

Drugs Identified in Deceased Persons by Florida Medical Examiners

2012 Report



Data Collection

The Office of Vital Statistics reported more than 178,000 deaths occurred in Florida during 2012. Of these, the medical examiners reported on 8,330 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 the 8,330 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, information was collected on the following drugs for this report:

- ✓ benzodiazepines (alprazolam, alpha-hydroxyalprazolam, clonazepam, 7-aminoclonazepam, chlordiazepoxide, desalkylflurazepam, diazepam, estazolam, flunitrazepam (Rohypnol), 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 2012 include:

- ✓ A decrease of 8.8 percent (805 less) in the total drug-related deaths compared to 2011;
- ✓ The four most frequently occurring drugs found in decedents were all benzodiazepines (5,184, including 1,417 alprazolam occurrences), ethyl alcohol (4,026), oxycodone (1,426), and cocaine (1,318);
- ✓ The drugs that caused the most deaths were all benzodiazepines (1,337, including 639 alprazolam deaths and 205 diazepam deaths), oxycodone (735), ethyl alcohol (573), cocaine (549), methadone (512), morphine (415), and hydrocodone (244);
- ✓ The four most harmful drugs, found in more than 50 percent of the deaths in which these drugs were found, were heroin (92.3 percent), methadone (68.3 percent), fentanyl (54.2 percent) and oxycodone (51.5 percent);
- ✓ Occurrences of heroin increased by 88.7 percent and deaths caused by heroin increased by 89.5 percent when compared with 2011;
- ✓ 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 80.7 percent of all drug occurrences in this report when ethyl alcohol is excluded;
- ✓ Occurrences of methadone decreased by 21.4 percent and hydrocodone decreased by 11.4 percent when compared with 2011. Also, deaths caused by methadone (179 less than 2011) and hydrocodone (63 less than 2011) decreased;
- ✓ Occurrences of oxycodone decreased by 33 percent and deaths caused by oxycodone decreased by 41.1 percent when compared with 2011;
- ✓ Occurrences of cocaine decreased by 8.7 percent and deaths caused by cocaine decreased by 9.1 percent when compared with 2011;
- ✓ Occurrences of fentanyl increased by 6.4 percent and deaths caused by fentanyl increased by 5.4 percent when compared with 2011;
- ✓ Alprazolam (Xanax), diazepam (Valium), and nordiazepam dominate the category of benzodiazepines. Occurrences of alprazolam decreased by 24.6 percent, diazepam decreased by 13.6 percent, and nordiazepam decreased by 9.4 percent when compared to 2011. Alprazolam, diazepam and nordiazepam are rarely the sole cause of death, but are common as contributing to the cause of multi-drug deaths;
- ✓ Occurrences of methamphetamine (27 percent) and amphetamine (18.2 percent) increased when compared to 2011. Also deaths caused by methamphetamine (19 more than 2011) and amphetamine (17 more than 2011) increased this year;
- ✓ Overall, while deaths associated with hydrocodone, oxycodone, and methadone decreased, occurrences of hydromorphone (63.6 percent) and tramadol (20.3 percent) increased when compared to 2011. Also, deaths caused by hydromorphone (7 more than 2011) and tramadol (16 more than 2011) increased when compared with 2011;
- ✓ 4,944 (9.9 percent less than 2011) 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; and
- ✓ 2,090 (17.7 percent less than 2011) 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.

Medical Examiners Commission Members

Bruce A. Hyma, M.D.

Chairman

District Eleven Medical Examiner

(305) 545-2400

Honorable Paul “Rick” Beseler

Sheriff, Clay County

Honorable Angela B. Corey

State Attorney, Fourth Judicial Circuit

Mr. Ken Jones

Deputy State Registrar, Department of Health

Robert J. Krauss, J.D.

Office of the Attorney General

Honorable James S. Purdy, J.D.

Public Defender, Seventh Judicial Circuit

Mrs. Robin Giddens Sheppard, L.F.D.

Vice President/Funeral Director, Hardage-Giddens Funeral Homes

Russell S. Vega, M.D.

District Twelve Medical Examiner

Honorable Carol Whitmore

Manatee County Commissioner

Medical Examiners Commission Staff— Florida Department of Law Enforcement

Post Office Box 1489
Tallahassee, Florida 32302
(850) 410-8600
FAX: (850) 410-8621
[MEC Website](#)

Planning and Policy Administrator Margaret Edwards
Staff Director
(850) 410-8600
MargaretEdwards@fdle.state.fl.us

Government Analyst II Doug Culbertson
(850) 410-8609
dougculbertson@fdle.state.fl.us

Research & Training Specialist Danielle Miller
(850) 410-8608
DanielleMiller@fdle.state.fl.us

Administrative Assistant Debbie Turvaville
(850) 410-8610
debbieturvaville@fdle.state.fl.us

Table of Contents

Map of Florida Medical Examiner Districts	1	Morphine Deaths	31
Summary of Drug-Related Deaths, 2012	2	Morphine Deaths by Age	32
Frequency of Occurrence of Drugs in Decedents 2012	4	Morphine Deaths by County	33
Frequency of Occurrence of Benzodiazepines	5	Prescription Drugs in Medical Examiner Cases	34
Drug Detected at Death: Cause vs. Present	6	Cocaine Deaths	35
Comparison of 2011 & 2012 Drug-Related Deaths	9	Cocaine Deaths by Age	36
Comparison of Drug Caused Deaths, 2010 – 2012	11	Cocaine Deaths by County	37
Alprazolam Deaths	12	Cocaine Related Deaths, 1998-2012	38
Alprazolam Deaths by Age	13	Cocaine Related Deaths by ME District	39
Alprazolam Deaths by County	14	Heroin Deaths	40
Diazepam Deaths	15	Heroin Deaths by Age	41
Diazepam Deaths by Age	16	Heroin Deaths by County	42
Diazepam Deaths by County	17	Deaths Caused by Heroin, 1998-2012	43
Occurrences of Alprazolam & Diazepam, 2003-2012	18	Heroin Deaths by ME District	44
Oxycodone Deaths	19	Manner of Death for Cases Reported	45
Oxycodone Deaths by Age	20	Glossary	48
Oxycodone Deaths by County	21		
Hydrocodone Deaths	22		
Hydrocodone Deaths by Age	23		
Hydrocodone Deaths by County	24		
Methadone Deaths	25		
Methadone Deaths by Age	26		
Methadone Deaths by County	27		
Occurrences of Hydrocodone, Oxycodone, & Methadone, 2003-2012	28		
Deaths Caused by Hydrocodone, Oxycodone, & Methadone, 2003-2012	29		
Deaths Caused by Alprazolam, Methadone, & Oxycodone, 2003-2012	30		

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

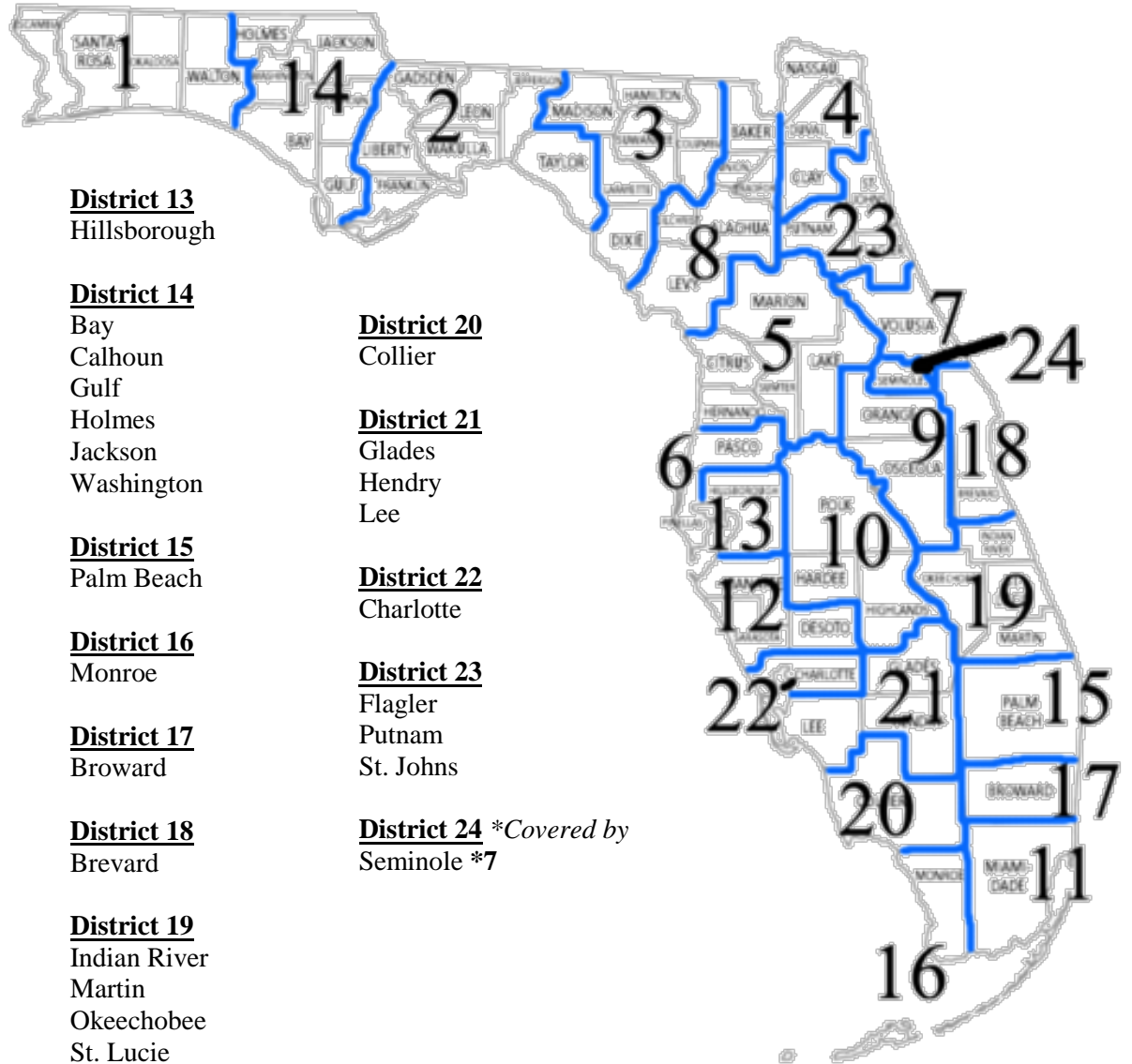
Hardee
Highlands
Polk

District 11

Miami-Dade

District 12

DeSoto
Manatee
Sarasota



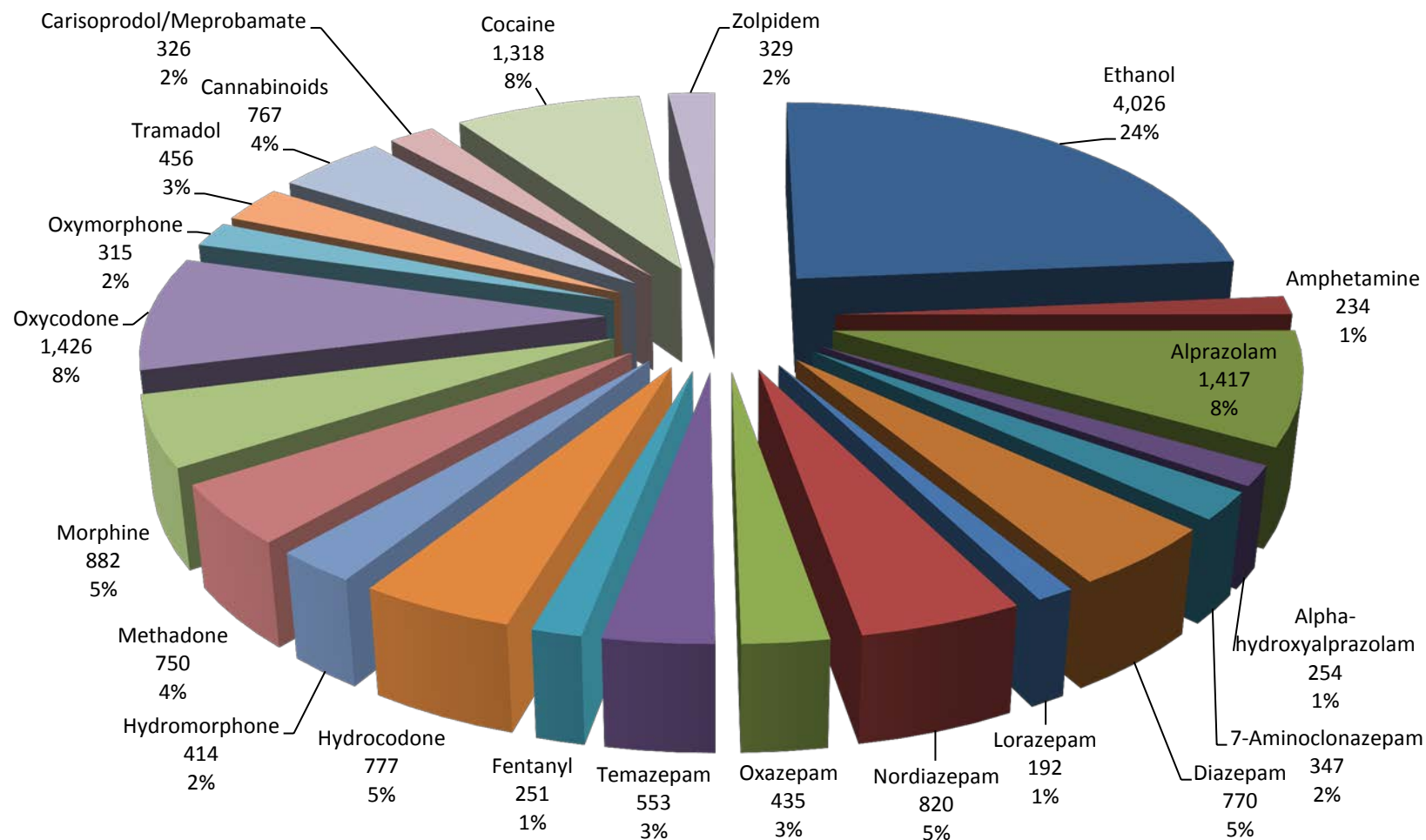
Summary of Drug-Related Deaths 2012

Drug Found in Body		Total Occurrences	Cause	Present
	Ethanol	4,026	573	3,453
Amphetamines	Amphetamine	234	54	180
	Methamphetamine	146	68	78
	MDMA	9	3	6
	MDA	6	1	5
	MDEA	1	0	1
	Phentermine	23	4	19
Benzodiazepines	Alprazolam	1,417	639	778
	Alpha-hydroxyalprazolam	254	39	215
	Clonazepam	158	51	107
	7-Aminoclonazepam	347	51	296
	Chlordiazepoxide	66	9	57
	Desalkylflurazepam	8	1	7
	Diazepam	770	205	565
	Estazolam	3	0	3
	Flunitrazepam	0	0	0
	Flurazepam	8	3	5
	Lorazepam	192	36	156
	Midazolam	146	3	143
	Nordiazepam	820	139	681
	Oxazepam	435	50	385
	Temazepam	553	107	446
	Triazolam	3	2	1
Alpha-hydroxytriazolam	4	2	2	

Summary of Drug-Related Deaths (continued)

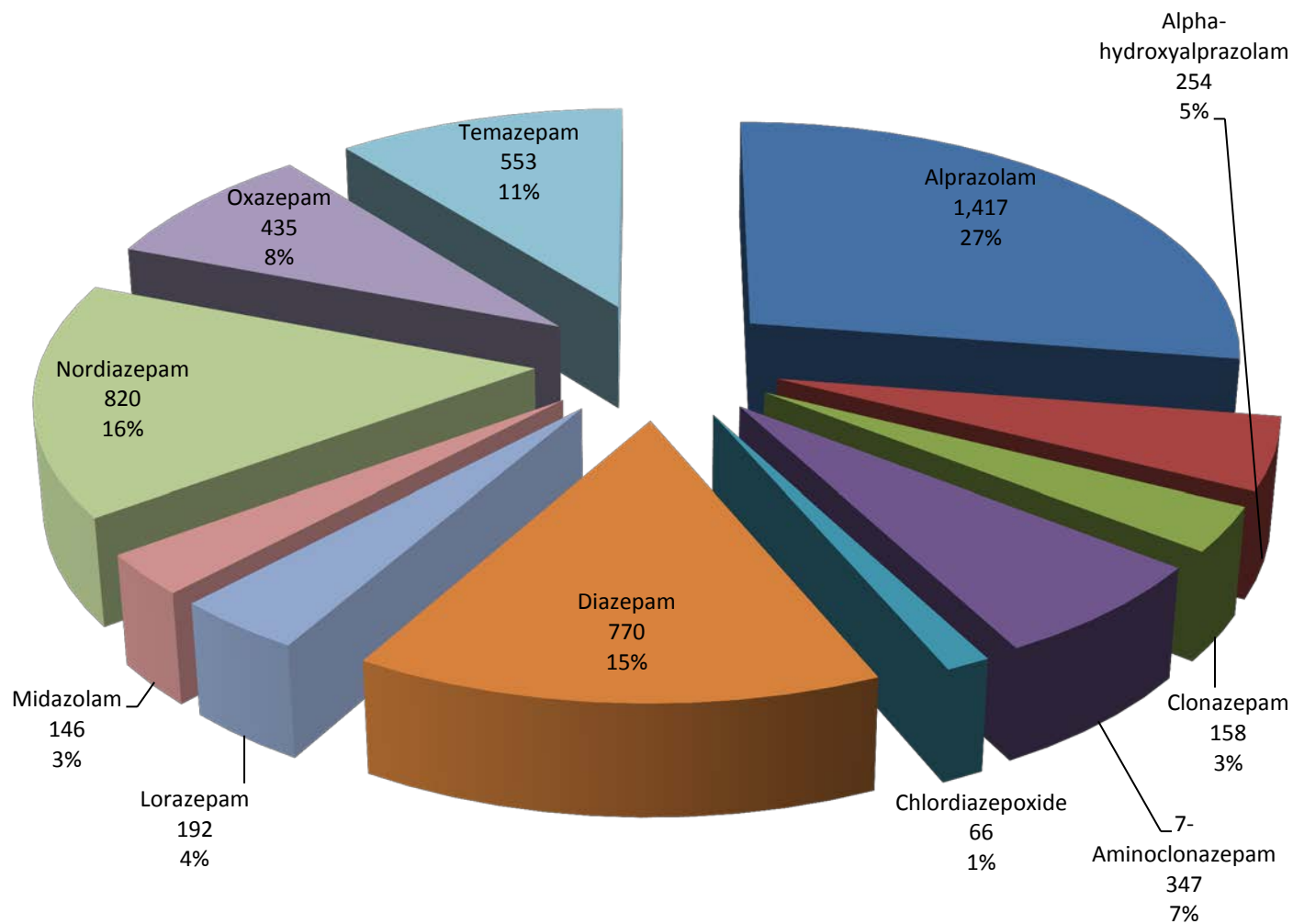
	Drug Found in Body	Total Occurrences	Cause	Present
Inhalants	Chlorodifluoromethane	1	1	0
	Difluoroethane	34	28	6
	Freon	0	0	0
	Helium	14	14	0
	Nitrous Oxide	3	2	1
	Toluene	1	0	1
Opioids	Buprenorphine	29	9	20
	Codeine	164	44	120
	Fentanyl	251	136	115
	Heroin	117	108	9
	Hydrocodone	777	244	533
	Hydromorphone	414	176	238
	Meperidine	6	3	3
	Methadone	750	512	238
	Morphine	882	415	467
	Oxycodone	1,426	735	691
	Oxymorphone	315	89	226
	Propoxyphene	19	7	12
	Tramadol	456	99	357
Other	Cannabinoids	767	0	767
	Carisoprodol/Meprobamate	326	91	235
	Cocaine	1,318	549	769
	GHB	9	2	7
	Ketamine	18	3	15
	Phencyclidine (PCP)	0	0	0
	Zolpidem	329	90	239

Frequency of Occurrence of Drugs in Decedents January – December 2012



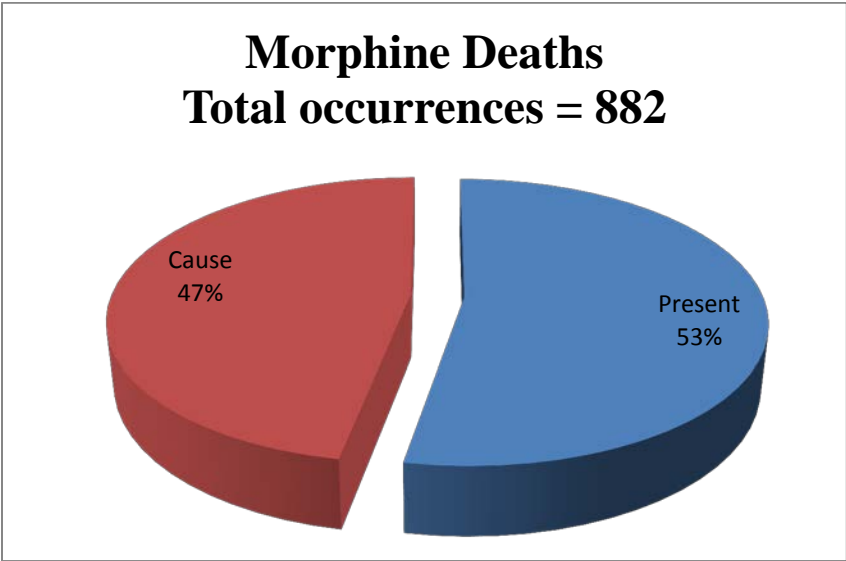
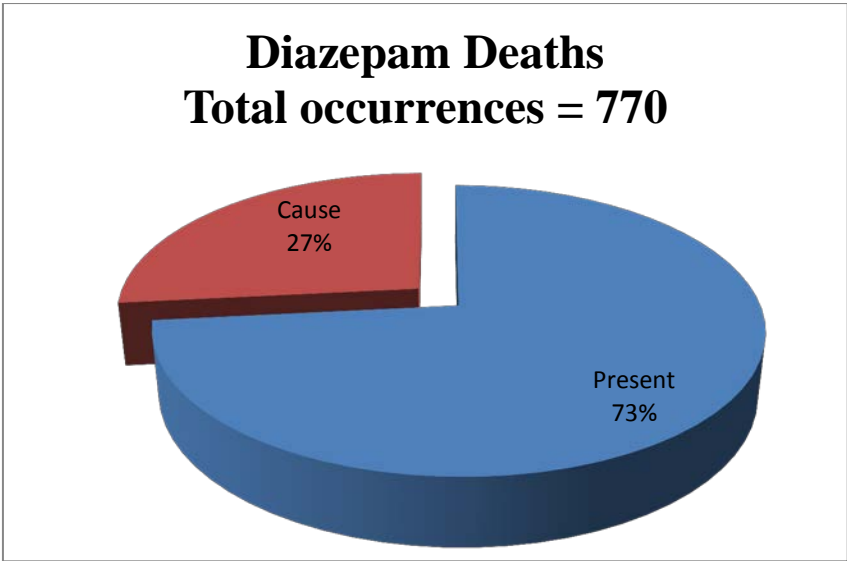
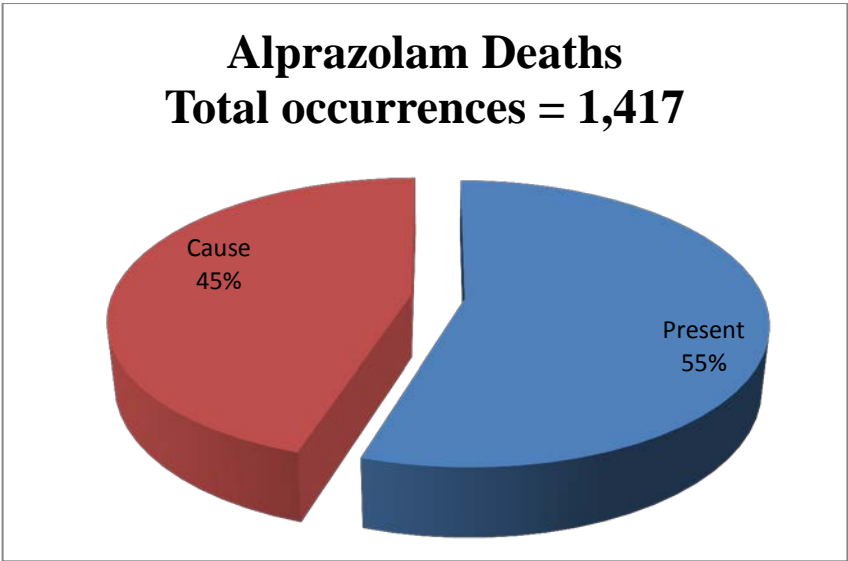
Note: Methamphetamine, MDMA, MDA, MDEA, Phentermine, Clonazepam, Chlordiazepoxide, Desalkylflurazepam, Estazolam, Flunitrazepam, Flurazepam, Midazolam, Triazolam, Alpha-hydroxytriazolam, Chlorodifluoromethane, Difluoroethane, Freon, Helium, Nitrous Oxide, Toluene, Buprenorphine, Codeine, Heroin, Meperidine, Propoxyphene, GHB, Ketamine, and Phencyclidine (PCP) each constituted less than 1 percent of the drug frequencies.

Frequency of Occurrence of Benzodiazepines January – December 2012

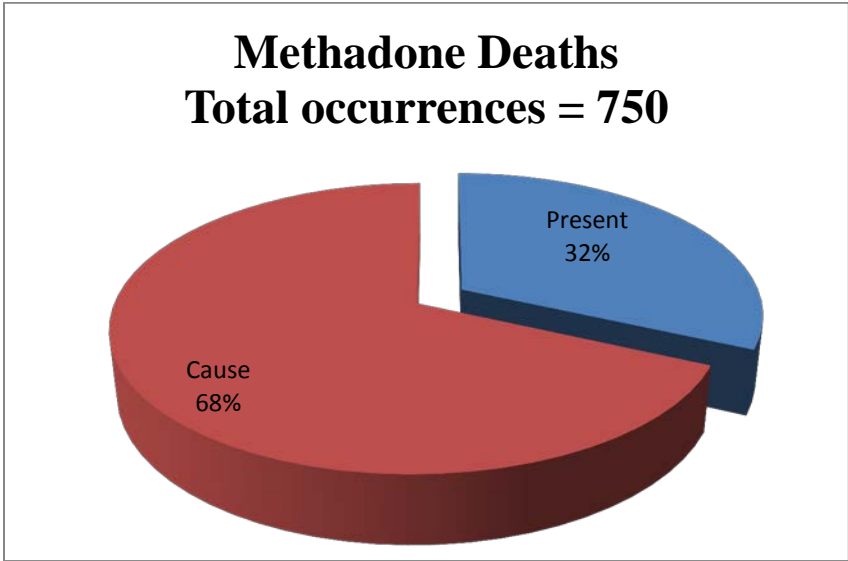
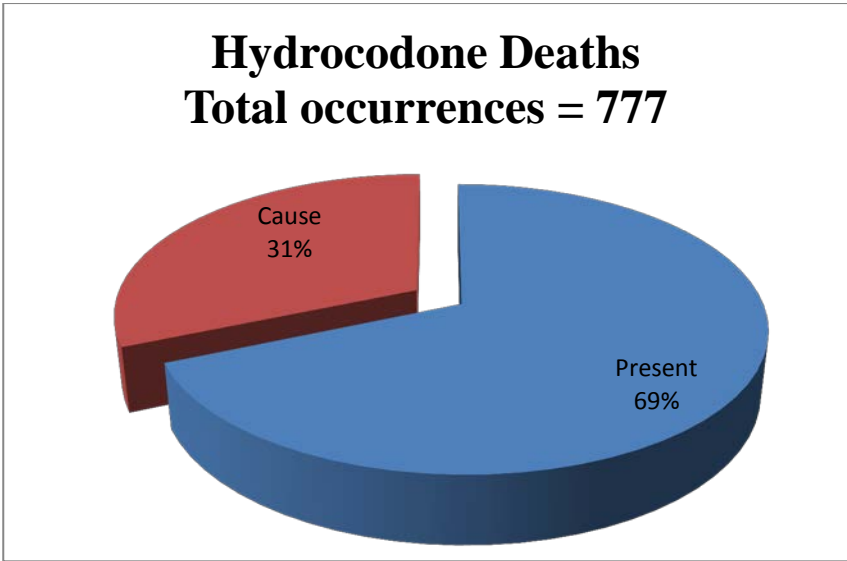
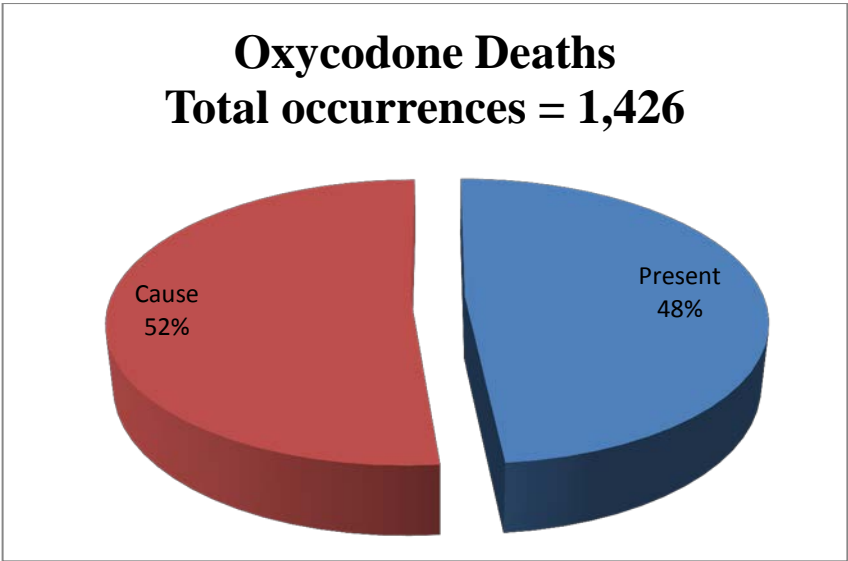


Note: Desalkylflurazepam, Estazolam, Flunitrazepam, Flurazepam, Triazolam, and Alpha-hydroxytriazolam each constituted less than 1 percent of the drug frequencies.

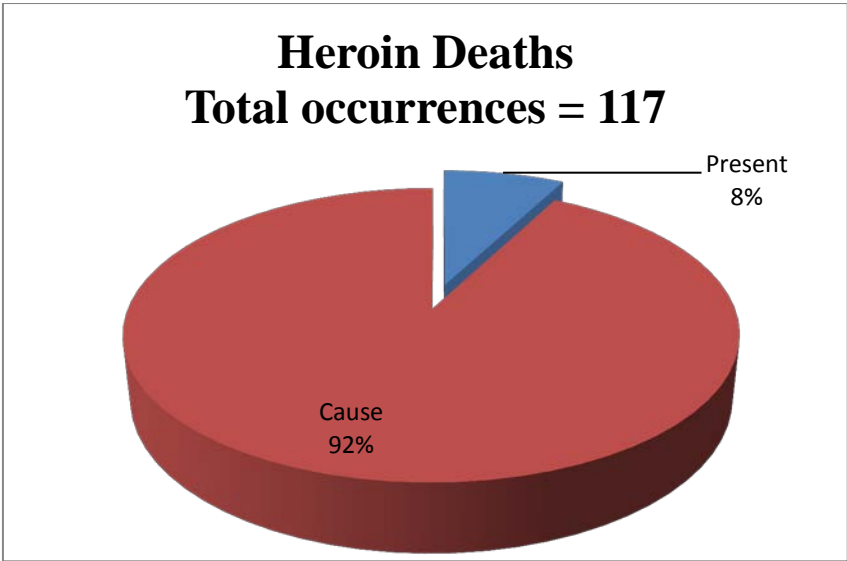
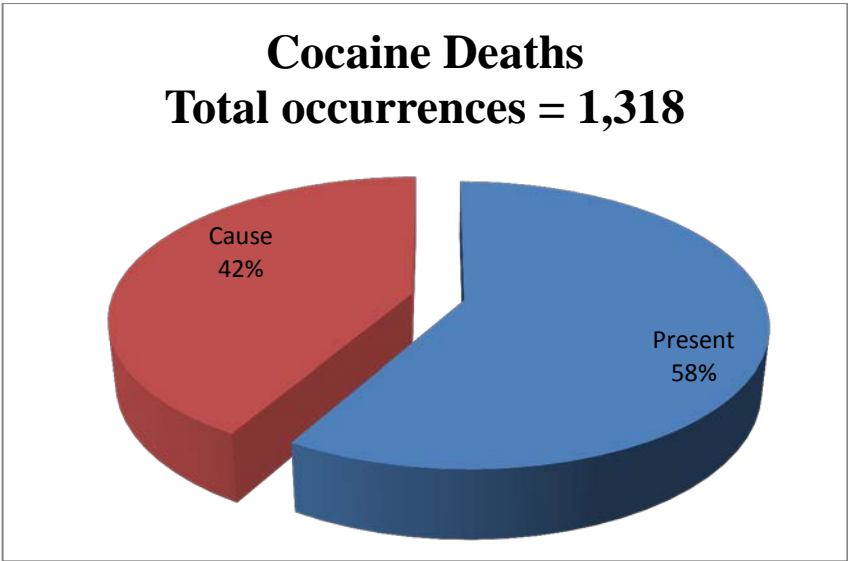
Drug Detected at Death: Cause vs. Present



Drug Detected at Death: Cause vs. Present



Drug Detected at Death: Cause vs. Present



Comparison of Drug-Related Deaths 2011 vs. 2012

Drug Found in Body		2011	2012	Percentage Change
	Ethanol	4,252	4,026	-5.3 percent
Amphetamines	All Methylated Amphetamine Occurrences	352	419	19.0 percent
	Amphetamine	198	234	18.2 percent
	Methamphetamine	115	146	27.0 percent
	MDMA	19	9	*
	MDA	7	6	*
	MDEA	1	1	No change
	Phentermine	12	23	*
Benzodiazepines	All Benzodiazepine Occurrences	5,949	5,184	-12.9 percent
	Alprazolam	1,879	1,417	-24.6 percent
	Alpha-hydroxyalprazolam	314	254	-19.1 percent
	Clonazepam	135	158	17.0 percent
	7-Aminoclonazepam	278	347	24.8 percent
	Chlordiazepoxide	64	66	3.1 percent
	Desalkylflurazepam	13	8	*
	Diazepam	891	770	-13.6 percent
	Estazolam	0	3	*
	Flunitrazepam	0	0	No change
	Flurazepam	12	8	*
	Lorazepam	197	192	-2.5 percent
	Midazolam	118	146	23.7 percent
	Nordiazepam	905	820	-9.4 percent
	Oxazepam	486	435	-10.5 percent
	Temazepam	645	553	-14.3 percent
	Triazolam	4	3	*
Alpha-hydroxytriazolam	6	4	*	

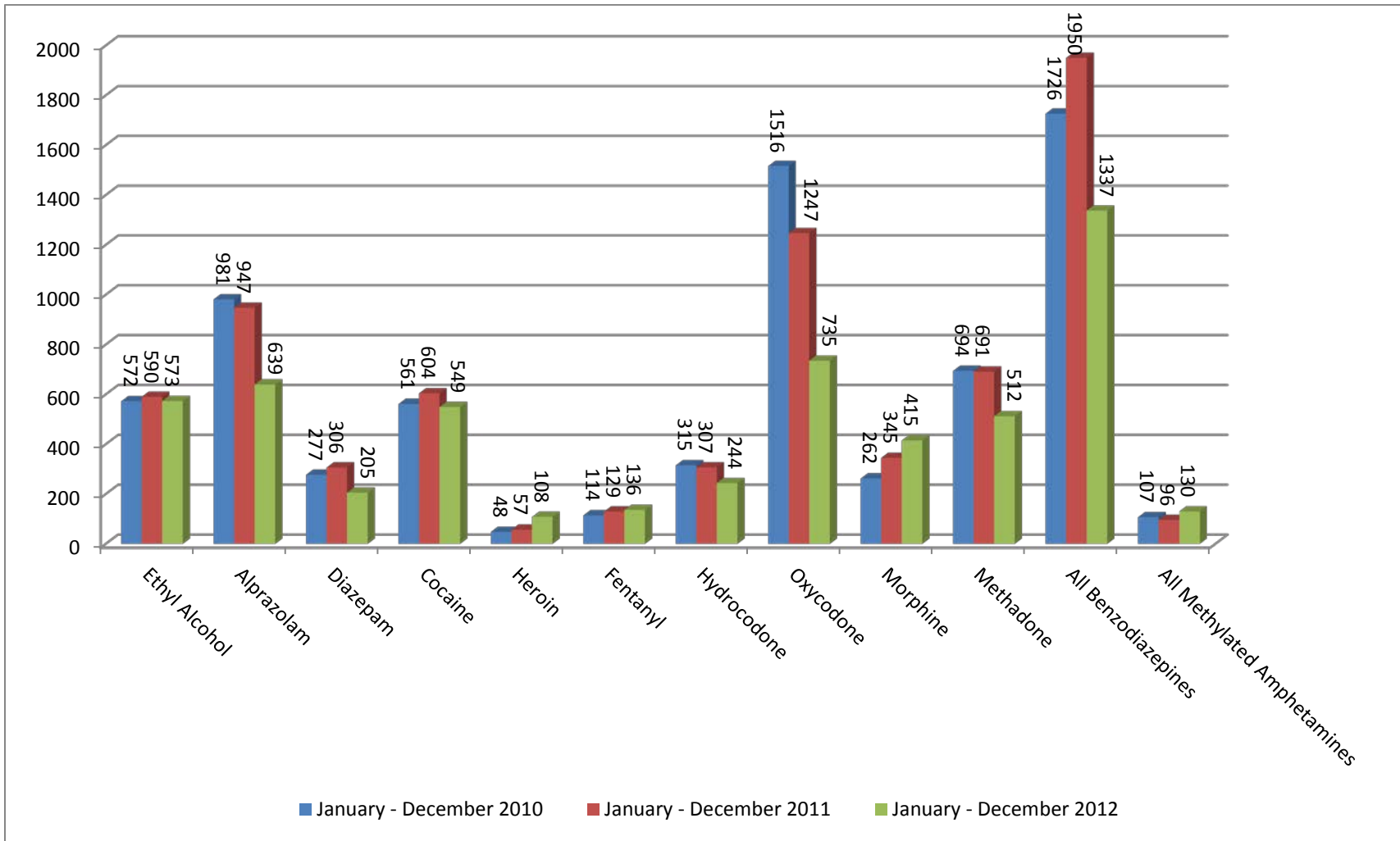
**Due to the small number of occurrences, percent changes were not calculated.*

Comparison of Drug-Related Deaths (continued)

Drug Found in Body		2011	2012	Percentage Change
Inhalants	Chlorodifluoromethane	0	1	*
	Difluoroethane	33	34	*
	Freon	2	0	*
	Helium	9	14	*
	Nitrous Oxide	2	3	*
	Toluene	0	1	*
Opioids	Buprenorphine	27	29	*
	Codeine	208	164	-21.2 percent
	Fentanyl	236	251	6.4 percent
	Heroin	62	117	88.7 percent
	Hydrocodone	877	777	-11.4 percent
	Hydromorphone	253	414	63.6 percent
	Meperidine	11	6	*
	Methadone	954	750	-21.4 percent
	Morphine	747	882	18.1 percent
	Oxycodone	2,128	1,426	-33.0 percent
	Oxymorphone	481	315	-34.5 percent
	Propoxyphene	32	19	*
	Tramadol	379	456	20.3 percent
Other	Cannabinoids	894	767	-14.2 percent
	Carisoprodol/Meprobamate	478	326	-31.8 percent
	Cocaine	1,444	1,318	-8.7 percent
	GHB	9	9	No change
	Ketamine	5	18	*
	Phencyclidine (PCP)	1	0	*
	Zolpidem	285	329	15.4 percent

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

Comparison of Drug Caused Deaths 2010 - 2012



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

Alprazolam Deaths January – December 2012

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
Statewide Totals	

Total Deaths with Alprazolam		
Total	Cause	Present
38	24	14
9	2	7
13	5	8
108	40	68
59	33	26
165	109	56
49	7	42
33	24	9
101	33	68
51	28	23
105	44	61
62	33	29
129	55	74
21	6	15
86	47	39
8	4	4
144	77	67
71	26	45
42	8	34
19	9	10
37	9	28
21	3	18
19	5	14
27	8	19
1,417	639	778

Deaths with Alprazolam Only		
Total	Cause	Present
2	2	0
0	0	0
0	0	0
0	0	0
5	1	4
6	2	4
1	0	1
0	0	0
0	0	0
0	0	0
0	0	0
4	1	3
12	0	12
0	0	0
0	0	0
0	0	0
0	0	0
3	1	2
0	0	0
0	0	0
1	0	1
0	0	0
2	0	2
36	7	29

Deaths with Alprazolam in Combination with Other Drugs		
Total	Cause	Present
36	22	14
9	2	7
13	5	8
108	40	68
54	32	22
159	107	52
48	7	41
33	24	9
101	33	68
51	28	23
105	44	61
58	32	26
117	55	62
21	6	15
86	47	39
8	4	4
144	77	67
71	26	45
39	7	32
19	9	10
37	9	28
20	3	17
19	5	14
25	8	17
1,381	632	749

Alprazolam Deaths by Age January – December 2012

Medical Examiner District and Area of Florida		
District	Area of Florida	Total
1	Pensacola	38
2	Tallahassee	9
3	Live Oak	13
4	Jacksonville	108
5	Leesburg	59
6	St. Petersburg	165
7	Daytona Beach	49
8	Gainesville	33
9	Orlando	101
10	Lakeland	51
11	Miami	105
12	Sarasota	62
13	Tampa	129
14	Panama City	21
15	West Palm Bch	86
16	Florida Keys	8
17	Ft. Lauderdale	144
18	Melbourne	71
19	Ft. Pierce	42
20	Naples	19
21	Ft. Myers	37
22	Port Charlotte	21
23	St. Augustine	19
24	Sanford	27
Statewide Totals		1,417

Deaths Caused by Alprazolam					
Age of Decedent					
Total	< 18	18-25	26-34	35-50	>50
24	0	2	6	8	8
2	0	0	0	1	1
5	0	0	2	0	3
40	0	0	15	18	7
33	0	3	7	14	9
109	0	6	19	43	41
7	0	1	1	5	0
24	1	2	8	7	6
33	0	3	6	18	6
28	0	1	8	10	9
44	0	3	8	19	14
33	0	6	3	13	11
55	1	4	13	22	15
6	0	0	3	2	1
47	0	3	12	16	16
4	0	0	0	1	3
77	0	2	11	33	31
26	0	1	6	11	8
8	0	1	1	2	4
9	0	2	2	3	2
9	1	2	1	5	0
3	0	0	1	2	0
5	0	0	1	1	3
8	0	1	1	1	5
639	3	43	135	255	203

Alprazolam Present					
Age of Decedent					
Total	<18	18-25	26-34	35-50	>50
14	0	2	3	6	3
7	0	1	0	1	5
8	1	0	1	3	3
68	1	6	9	29	23
26	0	2	4	12	8
56	0	3	7	22	24
42	0	3	3	22	14
9	0	0	1	3	5
68	2	6	8	26	26
23	0	5	1	9	8
61	1	6	4	15	35
29	0	2	5	9	13
74	0	5	12	35	22
15	0	1	1	2	11
39	0	4	8	12	15
4	0	0	1	2	1
67	0	0	11	31	25
45	0	5	7	9	24
34	0	0	5	15	14
10	0	4	1	1	4
28	0	2	4	10	12
18	0	1	1	4	12
14	0	3	1	5	5
19	0	5	5	6	3
778	5	66	103	289	315

Diazepam Deaths January – December 2012

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
Statewide Totals	

Total Deaths with Diazepam		
Total	Cause	Present
10	5	5
6	0	6
7	2	5
69	18	51
50	2	48
103	49	54
38	0	38
24	10	14
31	0	31
21	10	11
44	11	33
39	23	16
43	12	31
9	0	9
47	15	32
6	2	4
50	21	29
40	3	37
37	1	36
18	5	13
51	13	38
5	1	4
10	0	10
12	2	10
770	205	565

Deaths with Diazepam Only		
Total	Cause	Present
0	0	0
0	0	0
0	0	0
0	0	0
0	0	0
2	0	2
0	0	0
0	0	0
0	0	0
0	0	0
0	0	0
3	0	3
0	0	0
1	0	1
0	0	0
0	0	0
0	0	0
0	0	0
2	0	2
0	0	0
0	0	0
0	0	0
0	0	0
0	0	0
8	0	8

Deaths with Diazepam in Combination with Other Drugs		
Total	Cause	Present
10	5	5
6	0	6
7	2	5
69	18	51
50	2	48
101	49	52
38	0	38
24	10	14
31	0	31
21	10	11
44	11	33
36	23	13
43	12	31
8	0	8
47	15	32
6	2	4
50	21	29
40	3	37
35	1	34
18	5	13
51	13	38
5	1	4
10	0	10
12	2	10
762	205	557

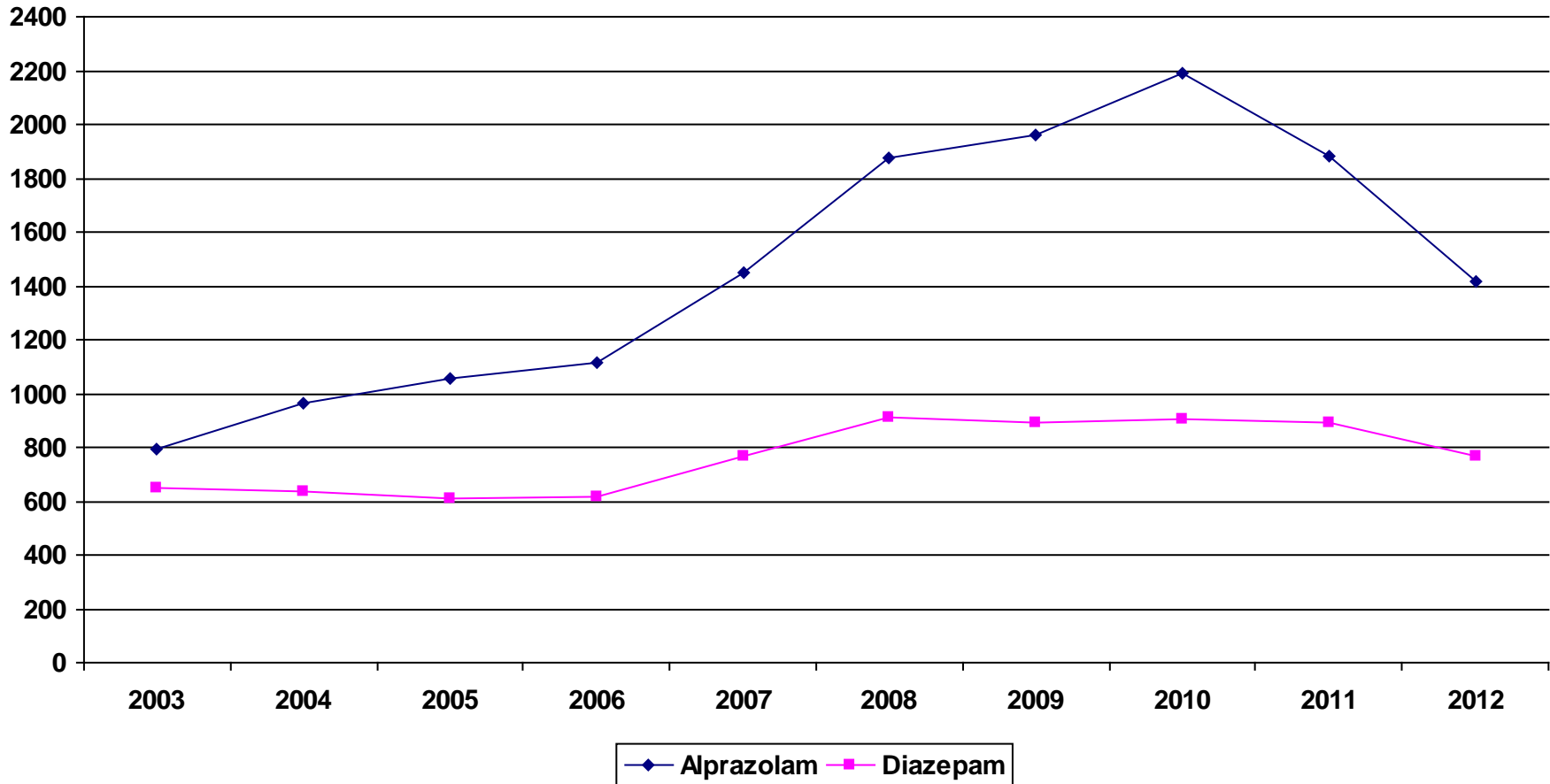
Diazepam Deaths by Age January – December 2012

Medical Examiner District and Area of Florida		
District	Area of Florida	Total
1	Pensacola	10
2	Tallahassee	6
3	Live Oak	7
4	Jacksonville	69
5	Leesburg	50
6	St. Petersburg	103
7	Daytona Beach	38
8	Gainesville	24
9	Orlando	31
10	Lakeland	21
11	Miami	44
12	Sarasota	39
13	Tampa	43
14	Panama City	9
15	West Palm Bch	47
16	Florida Keys	6
17	Ft. Lauderdale	50
18	Melbourne	40
19	Ft. Pierce	37
20	Naples	18
21	Ft. Myers	51
22	Port Charlotte	5
23	St. Augustine	10
24	Sanford	12
Statewide Totals		770

Deaths Caused by Diazepam						
Age of Decedent						
Total	< 18	18–25	26-34	35-50	>50	
5	0	0	3	2	0	
0	0	0	0	0	0	
2	0	0	0	1	1	
18	0	0	2	11	5	
2	0	0	0	0	2	
49	0	4	6	13	26	
0	0	0	0	0	0	
10	0	1	1	3	5	
0	0	0	0	0	0	
10	0	0	1	4	5	
11	0	0	0	8	3	
23	1	1	3	7	11	
12	0	1	2	6	3	
0	0	0	0	0	0	
15	0	1	1	6	7	
2	0	0	0	1	1	
21	0	0	2	4	15	
3	0	0	0	0	3	
1	0	0	0	0	1	
5	0	0	1	2	2	
13	0	1	3	5	4	
1	0	0	0	0	1	
0	0	0	0	0	0	
2	0	0	0	1	1	
205	1	9	25	74	96	

Diazepam Present						
Age of Decedent						
Total	<18	18-25	26-34	35-50	>50	
5	0	1	0	2	2	
6	0	1	0	0	5	
5	0	0	0	2	3	
51	1	2	4	20	24	
48	0	1	9	20	18	
54	0	3	10	25	16	
38	0	1	3	17	17	
14	0	0	1	8	5	
31	2	3	1	11	14	
11	0	1	0	4	6	
33	0	0	2	10	21	
16	0	0	1	8	7	
31	0	0	3	12	16	
9	0	1	2	3	3	
32	0	3	4	9	16	
4	0	0	0	1	3	
29	0	1	0	9	19	
37	0	0	5	10	22	
36	0	0	3	16	17	
13	0	2	0	0	11	
38	0	1	5	16	16	
4	0	0	0	2	2	
10	0	2	1	5	2	
10	0	0	2	6	2	
565	3	23	56	216	267	

Occurrences of Alprazolam and Diazepam (present and cause) 2003-2012



Oxycodone Deaths January – December 2012

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
Statewide Totals	

Total Deaths with Oxycodone		
Total	Cause	Present
34	18	16
13	4	9
20	9	11
95	54	41
66	33	33
206	112	94
43	15	28
42	22	20
95	45	50
38	21	17
58	25	33
62	38	24
115	55	60
18	6	12
87	58	29
7	5	2
126	74	52
93	50	43
68	36	32
25	16	9
56	19	37
21	4	17
12	6	6
26	10	16
1,426	735	691

Deaths with Oxycodone Only		
Total	Cause	Present
5	3	2
2	0	2
0	0	0
0	0	0
9	2	7
10	7	3
2	0	2
0	0	0
0	0	0
0	0	0
0	0	0
6	3	3
16	2	14
4	0	4
0	0	0
0	0	0
0	0	0
8	1	7
0	0	0
0	0	0
1	0	1
0	0	0
3	0	3
66	18	48

Deaths with Oxycodone in Combination with Other Drugs		
Total	Cause	Present
29	15	14
11	4	7
20	9	11
95	54	41
57	31	26
196	105	91
41	15	26
42	22	20
95	45	50
38	21	17
58	25	33
56	35	21
99	53	46
14	6	8
87	58	29
7	5	2
126	74	52
93	50	43
60	35	25
25	16	9
56	19	37
20	4	16
12	6	6
23	10	13
1,360	717	643

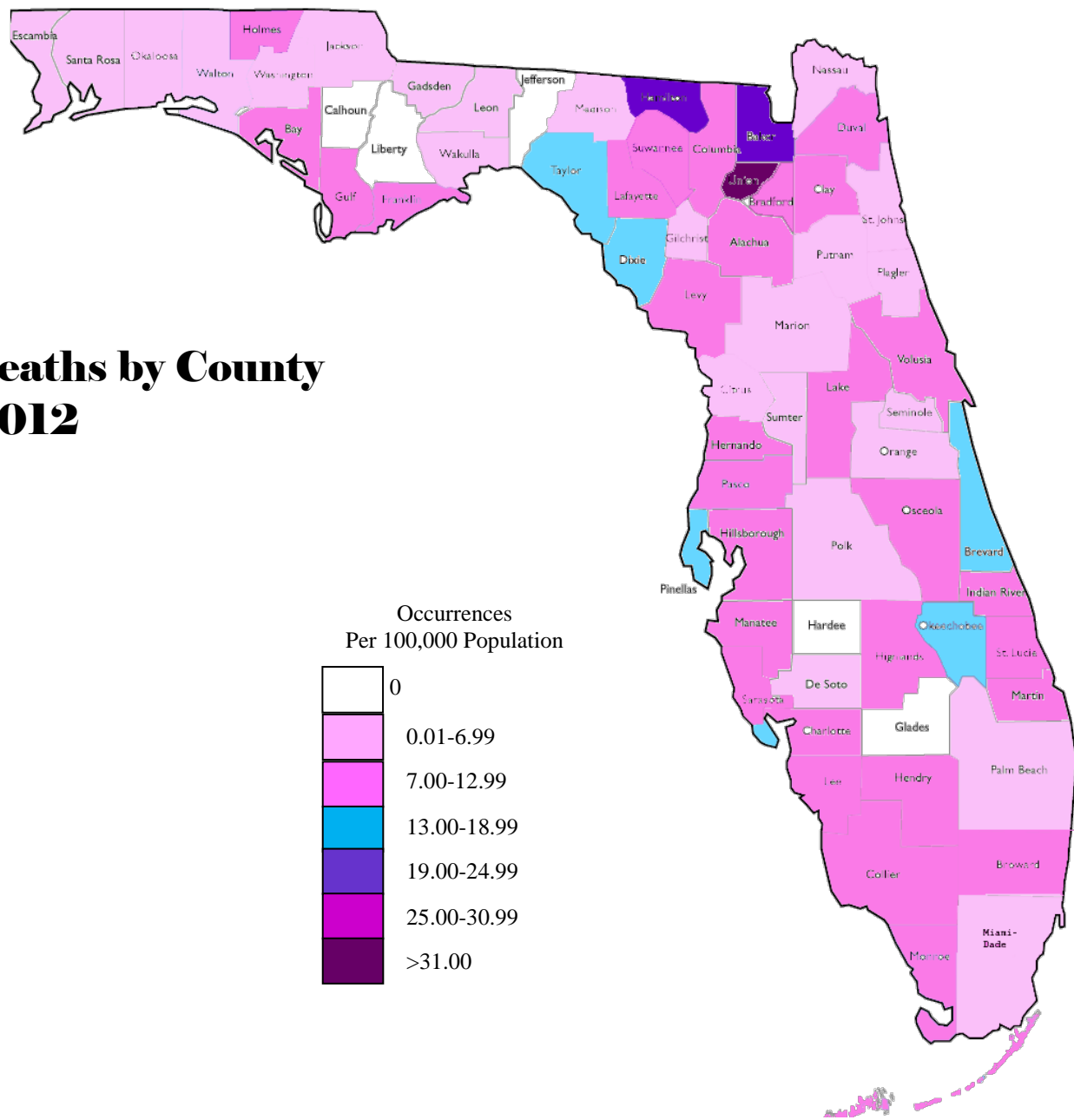
Oxycodone Deaths by Age January – December 2012

Medical Examiner District and Area of Florida		
District	Area of Florida	Total
1	Pensacola	34
2	Tallahassee	13
3	Live Oak	20
4	Jacksonville	95
5	Leesburg	66
6	St. Petersburg	206
7	Daytona Beach	43
8	Gainesville	42
9	Orlando	95
10	Lakeland	38
11	Miami	58
12	Sarasota	62
13	Tampa	115
14	Panama City	18
15	West Palm Bch	87
16	Florida Keys	7
17	Ft. Lauderdale	126
18	Melbourne	93
19	Ft. Pierce	68
20	Naples	25
21	Ft. Myers	56
22	Port Charlotte	21
23	St. Augustine	12
24	Sanford	26
Statewide Totals		1,426

Deaths Caused by Oxycodone						
Age of Decedent						
Total	< 18	18-25	26-34	35-50	>50	
18	0	3	3	8	4	
4	0	0	0	3	1	
9	1	0	0	6	2	
54	0	2	14	23	15	
33	0	4	6	12	11	
112	1	10	12	29	60	
15	0	2	6	6	1	
22	1	1	4	11	5	
45	0	7	3	19	16	
21	0	0	4	6	11	
25	0	1	4	10	10	
38	0	4	3	17	14	
55	1	4	7	20	23	
6	0	2	2	0	2	
58	0	5	12	15	26	
5	0	0	2	1	2	
74	0	0	10	33	31	
50	0	6	14	14	16	
36	0	1	2	16	17	
16	0	2	4	6	4	
19	1	2	1	8	7	
4	0	1	0	2	1	
6	0	0	0	4	2	
10	0	3	3	3	1	
735	5	60	116	272	282	

Oxycodone Present						
Age of Decedent						
Total	<18	18-25	26-34	35-50	>50	
16	0	3	5	6	2	
9	0	2	2	2	3	
11	0	0	1	3	7	
41	1	6	5	17	12	
33	0	1	5	10	17	
94	0	3	16	31	44	
28	0	2	4	14	8	
20	0	1	2	6	11	
50	0	2	6	16	26	
17	0	0	3	5	9	
33	1	1	3	10	18	
24	0	2	2	10	10	
60	0	6	6	19	29	
12	0	1	2	2	7	
29	0	2	5	14	8	
2	0	0	0	0	2	
52	0	2	6	15	29	
43	0	3	5	13	22	
32	0	3	0	9	20	
9	1	2	0	2	4	
37	0	1	6	15	15	
17	0	0	3	4	10	
6	0	0	1	2	3	
16	0	1	4	6	5	
691	3	44	92	231	321	

Oxycodone Deaths by County 2012



Hydrocodone Deaths January – December 2012

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
Statewide Totals	

Total Deaths with Hydrocodone		
Total	Cause	Present
31	7	24
16	1	15
12	1	11
107	27	80
55	27	28
90	32	58
32	6	26
22	5	17
66	19	47
23	13	10
32	13	19
22	6	16
51	13	38
22	1	21
31	17	14
6	1	5
23	7	16
32	10	22
25	4	21
14	9	5
25	11	14
11	2	9
17	8	9
12	4	8
777	244	533

Deaths with Hydrocodone Only		
Total	Cause	Present
2	0	2
0	0	0
0	0	0
0	0	0
8	1	7
9	1	8
7	1	6
0	0	0
0	0	0
0	0	0
4	2	2
9	2	7
3	0	3
0	0	0
2	0	2
0	0	0
0	0	0
5	0	5
0	0	0
0	0	0
1	0	1
0	0	0
1	0	1
51	7	44

Deaths with Hydrocodone in Combination with Other Drugs		
Total	Cause	Present
29	7	22
16	1	15
12	1	11
107	27	80
47	26	21
81	31	50
25	5	20
22	5	17
66	19	47
23	13	10
32	13	19
18	4	14
42	11	31
19	1	18
31	17	14
4	1	3
23	7	16
32	10	22
20	4	16
14	9	5
25	11	14
10	2	8
17	8	9
11	4	7
726	237	489

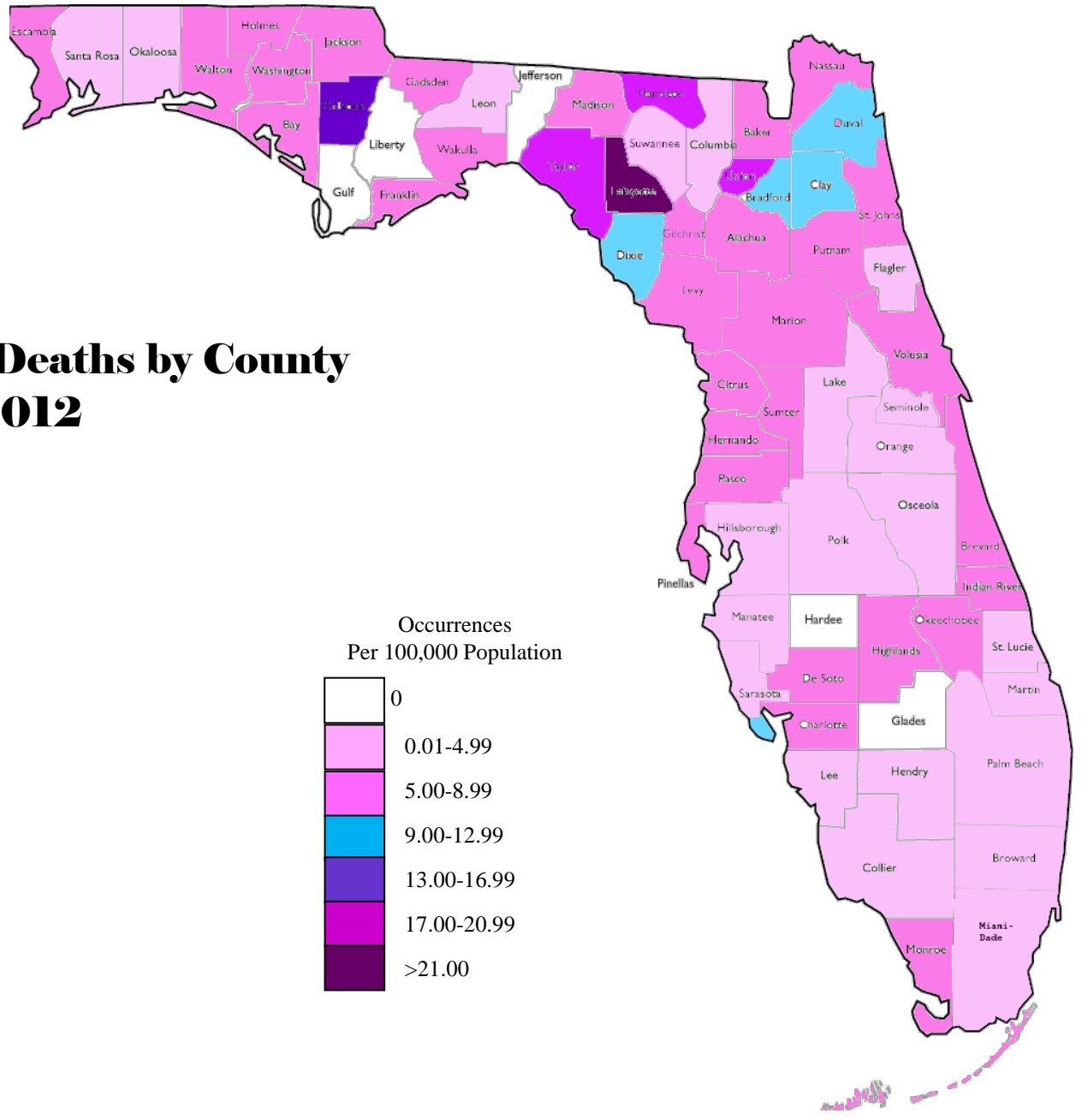
Hydrocodone Deaths by Age January – December 2012

Medical Examiner District and Area of Florida		
District	Area of Florida	Total
1	Pensacola	31
2	Tallahassee	16
3	Live Oak	12
4	Jacksonville	107
5	Leesburg	55
6	St. Petersburg	90
7	Daytona Beach	32
8	Gainesville	22
9	Orlando	66
10	Lakeland	23
11	Miami	32
12	Sarasota	22
13	Tampa	51
14	Panama City	22
15	West Palm Bch	31
16	Florida Keys	6
17	Ft. Lauderdale	23
18	Melbourne	32
19	Ft. Pierce	25
20	Naples	14
21	Ft. Myers	25
22	Port Charlotte	11
23	St. Augustine	17
24	Sanford	12
Statewide Totals		777

Deaths Caused by Hydrocodone						
Age of Decedent						
Total	< 18	18–25	26-34	35-50	>50	
7	0	2	2	3	0	
1	0	0	0	1	0	
1	1	0	0	0	0	
27	0	0	1	18	8	
27	0	1	3	12	11	
32	0	2	2	15	13	
6	0	0	1	2	3	
5	0	0	1	2	2	
19	0	1	2	12	4	
13	0	0	1	6	6	
13	0	1	1	5	6	
6	0	0	1	4	1	
13	0	0	1	7	5	
1	0	0	0	1	0	
17	0	0	1	5	11	
1	0	0	0	0	1	
7	0	0	0	1	6	
10	0	0	0	4	6	
4	0	1	0	1	2	
9	0	0	0	3	6	
11	1	2	2	2	4	
2	0	0	0	0	2	
8	0	0	1	3	4	
4	0	0	1	2	1	
244	2	10	21	109	102	

Hydrocodone Present						
Age of Decedent						
Total	< 18	18–25	26-34	35-50	>50	
24	0	4	2	7	11	
15	0	0	1	4	10	
11	0	1	1	2	7	
80	0	5	5	27	43	
28	0	2	2	2	22	
58	0	4	10	16	28	
26	0	0	1	11	14	
17	0	1	2	6	8	
47	0	1	2	14	30	
10	0	1	1	3	5	
19	0	0	5	6	8	
16	0	1	2	3	10	
38	0	0	4	9	25	
21	0	0	2	7	12	
14	0	0	1	4	9	
5	0	0	0	1	4	
16	0	1	1	6	8	
22	0	0	3	3	16	
21	0	1	1	6	13	
5	1	0	0	0	4	
14	0	0	1	6	7	
9	0	0	0	2	7	
9	0	2	1	4	2	
8	0	0	2	1	5	
533	1	24	50	150	308	

Hydrocodone Deaths by County 2012



Methadone Deaths January – December 2012

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
Statewide Totals	

Total Deaths with Methadone		
Total	Cause	Present
31	25	6
4	1	3
10	7	3
71	45	26
64	47	17
120	96	24
30	20	10
26	18	8
47	35	12
14	12	2
11	6	5
43	36	7
93	52	41
11	3	8
30	21	9
2	1	1
32	23	9
43	28	15
18	9	9
9	7	2
14	6	8
6	3	3
12	7	5
9	4	5
750	512	238

Deaths with Methadone Only		
Total	Cause	Present
6	6	0
1	0	1
0	0	0
0	0	0
8	3	5
3	3	0
1	1	0
0	0	0
0	0	0
0	0	0
3	2	1
27	16	11
1	0	1
0	0	0
0	0	0
0	0	0
0	0	0
3	1	2
0	0	0
0	0	0
1	1	0
0	0	0
0	0	0
54	33	21

Deaths with Methadone in Combination with Other Drugs		
Total	Cause	Present
25	19	6
3	1	2
10	7	3
71	45	26
56	44	12
117	93	24
29	19	10
26	18	8
47	35	12
14	12	2
11	6	5
40	34	6
66	36	30
10	3	7
30	21	9
2	1	1
32	23	9
43	28	15
15	8	7
9	7	2
14	6	8
5	2	3
12	7	5
9	4	5
696	479	217

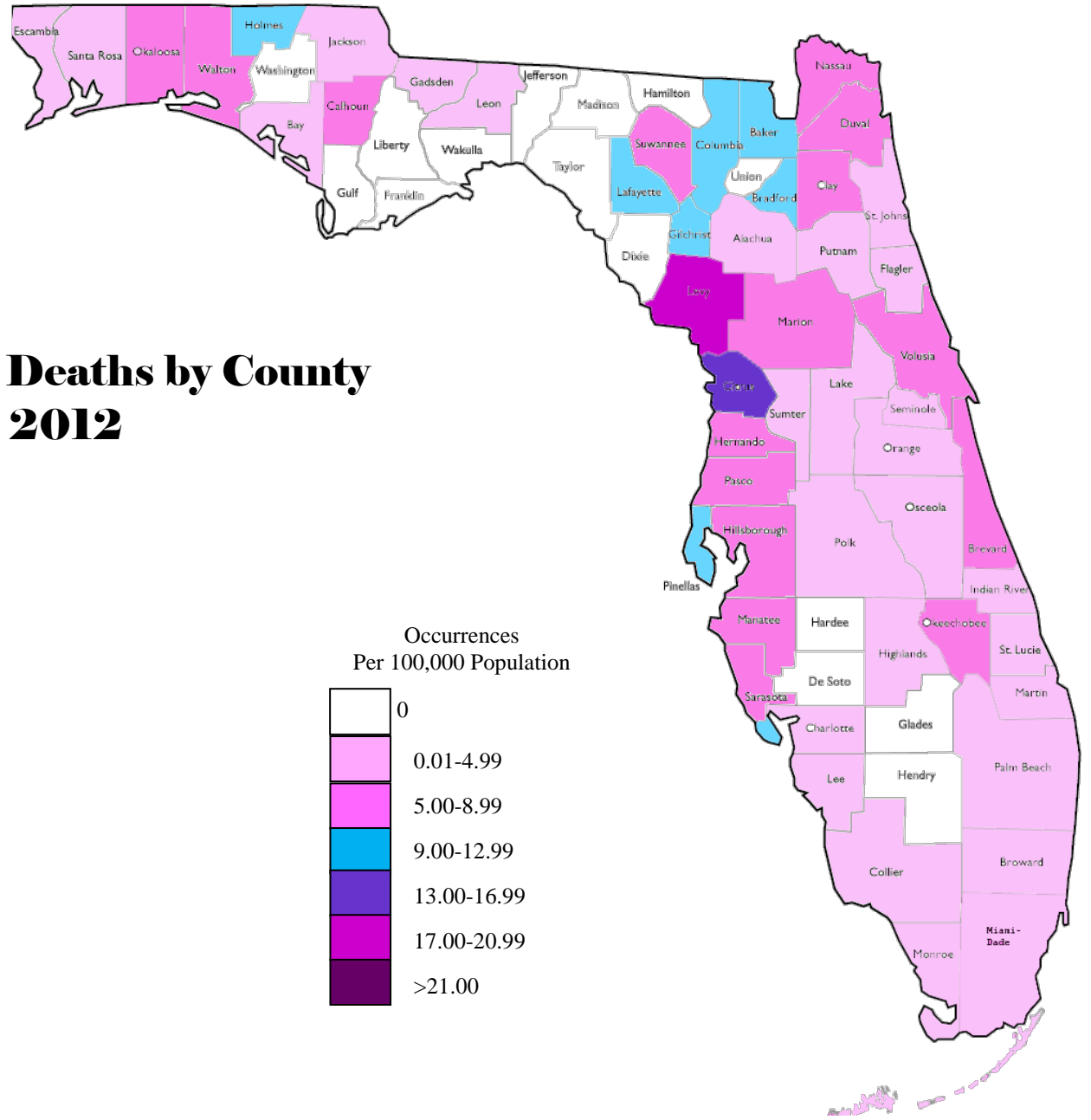
Methadone Deaths by Age January – December 2012

Medical Examiner District and Area of Florida		
District	Area of Florida	Total
1	Pensacola	31
2	Tallahassee	4
3	Live Oak	10
4	Jacksonville	71
5	Leesburg	64
6	St. Petersburg	120
7	Daytona Beach	30
8	Gainesville	26
9	Orlando	47
10	Lakeland	14
11	Miami	11
12	Sarasota	43
13	Tampa	93
14	Panama City	11
15	West Palm Bch	30
16	Florida Keys	2
17	Ft. Lauderdale	32
18	Melbourne	43
19	Ft. Pierce	18
20	Naples	9
21	Ft. Myers	14
22	Port Charlotte	6
23	St. Augustine	12
24	Sanford	9
Statewide Totals		750

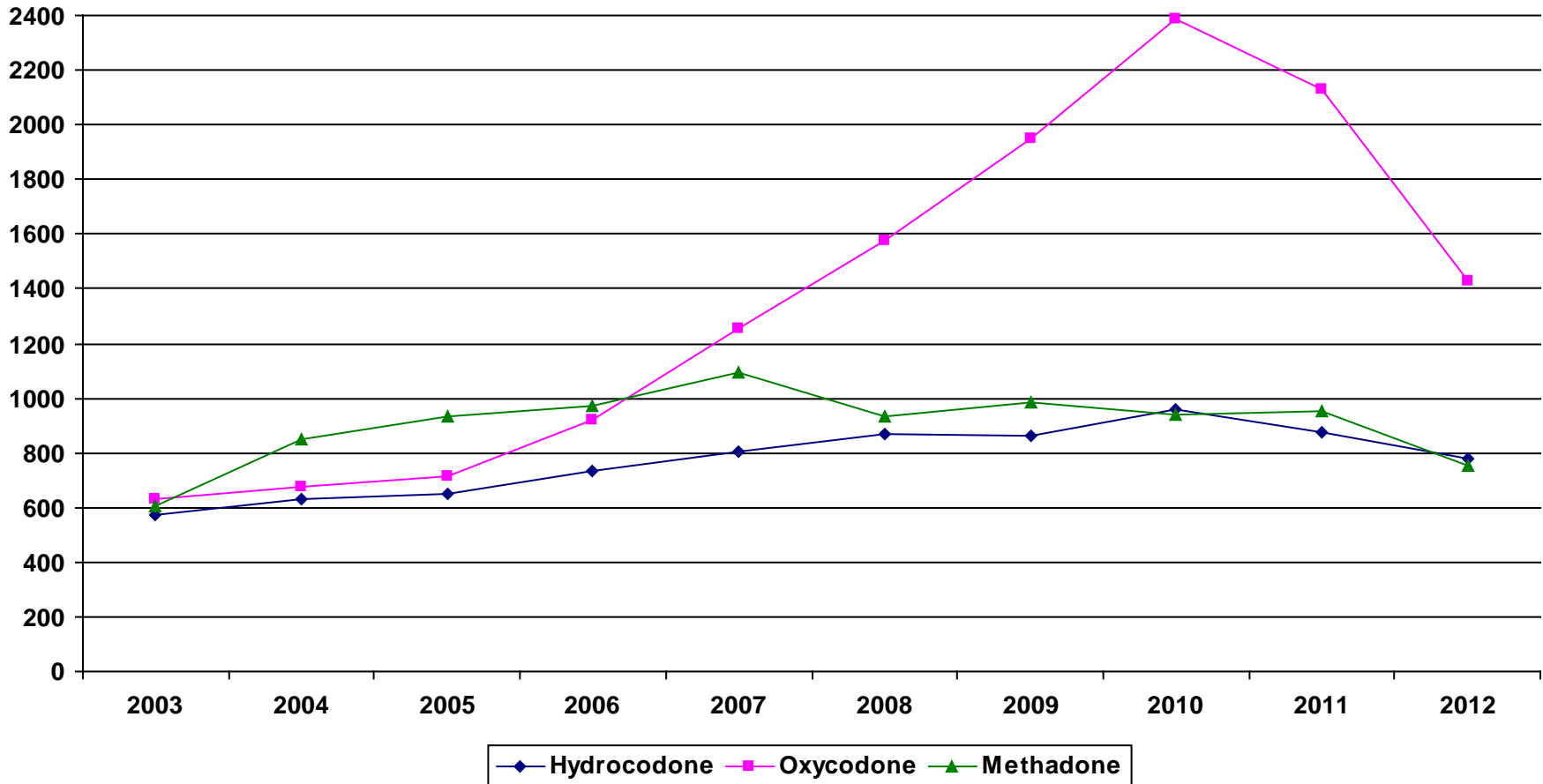
Deaths Caused by Methadone						
Age of Decedent						
Total	< 18	18-25	26-34	35-50	>50	
25	1	1	9	7	7	
1	0	0	0	1	0	
7	0	0	2	3	2	
45	1	0	18	19	7	
47	0	7	12	18	10	
96	0	8	11	40	37	
20	0	2	4	12	2	
18	0	2	8	6	2	
35	0	4	9	11	11	
12	0	0	4	4	4	
6	0	0	1	3	2	
36	0	5	8	15	8	
52	0	5	13	17	17	
3	0	0	2	1	0	
21	0	3	7	3	8	
1	0	0	0	0	1	
23	0	1	5	7	10	
28	0	0	8	9	11	
9	0	1	2	3	3	
7	0	0	2	1	4	
6	0	1	3	1	1	
3	0	0	2	1	0	
7	0	0	2	5	0	
4	0	1	0	1	2	
512	2	41	132	188	149	

Methadone Present						
Age of Decedent						
Total	<18	18-25	26-34	35-50	>50	
6	0	0	1	5	0	
3	0	1	0	0	2	
3	0	0	1	1	1	
26	1	0	3	14	8	
17	0	1	0	8	8	
24	0	2	2	11	9	
10	0	1	1	7	1	
8	0	0	1	3	4	
12	0	1	1	4	6	
2	0	1	0	1	0	
5	0	0	0	2	3	
7	0	0	1	3	3	
41	1	1	7	16	16	
8	1	0	0	4	3	
9	0	0	3	3	3	
1	0	0	0	1	0	
9	0	0	1	2	6	
15	0	1	0	8	6	
9	0	0	1	3	5	
2	0	0	0	1	1	
8	0	2	2	0	4	
3	0	0	0	2	1	
5	0	0	1	2	2	
5	0	0	3	1	1	
238	3	11	29	102	93	

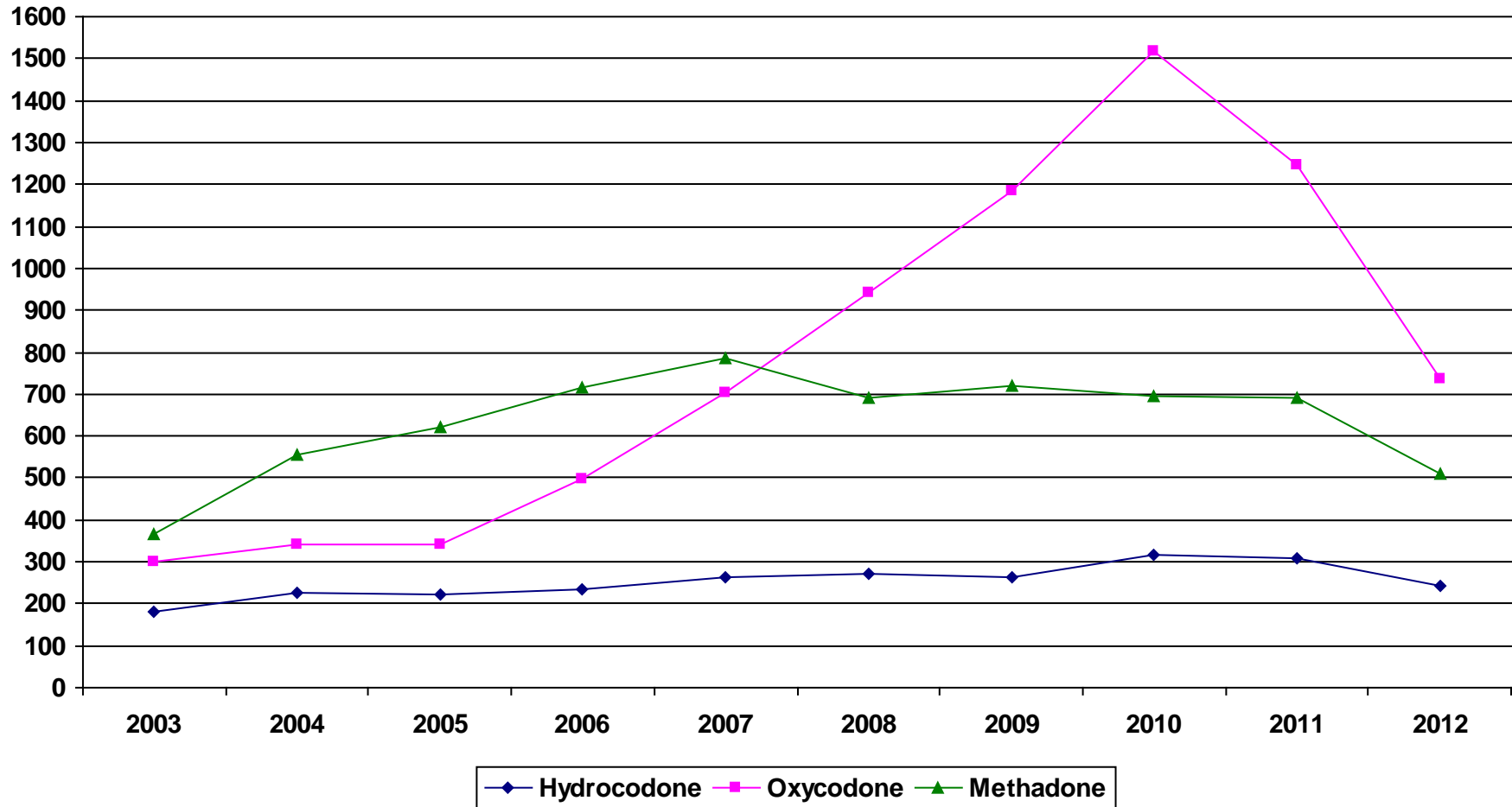
Methadone Deaths by County 2012



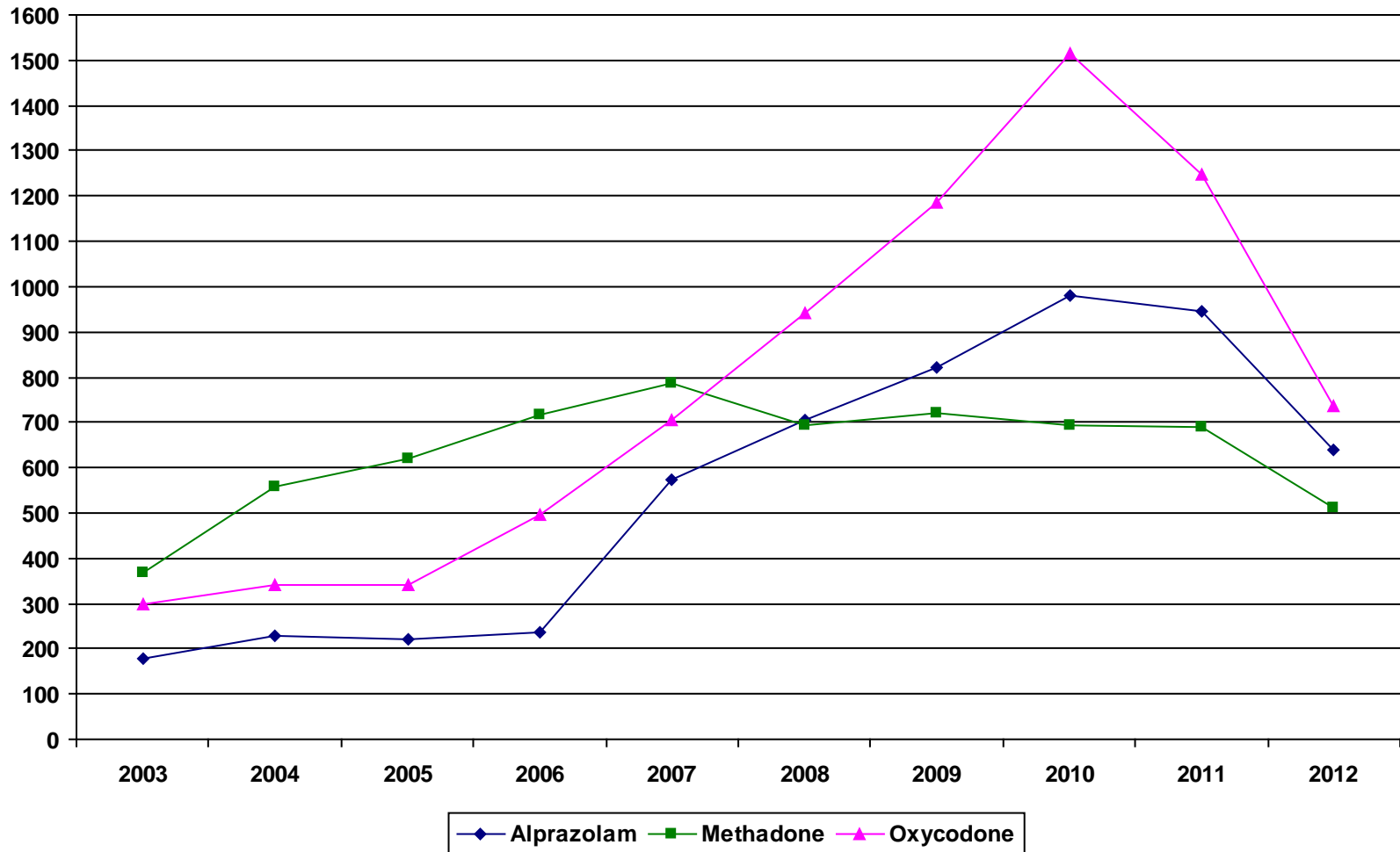
Occurrences of Hydrocodone, Oxycodone, & Methadone (present and cause) 2003-2012



Deaths Caused by Hydrocodone, Oxycodone, & Methadone 2003-2012



Deaths Caused by Alprazolam, Methadone, & Oxycodone 2003-2012



Morphine Deaths January – December 2012

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
Statewide Totals	

Total Deaths with Morphine		
Total	Cause	Present
17	7	10
11	1	10
8	3	5
59	28	31
56	27	29
86	53	33
17	5	12
43	15	28
99	48	51
28	14	14
86	12	74
32	21	11
57	27	30
7	2	5
51	35	16
5	1	4
77	59	18
34	17	17
14	9	5
7	6	1
35	14	21
32	6	26
8	1	7
13	4	9
882	415	467

Deaths with Morphine Only		
Total	Cause	Present
2	1	1
3	0	3
0	0	0
0	0	0
3	0	3
2	1	1
5	1	4
0	0	0
0	0	0
0	0	0
0	0	0
0	0	0
5	2	3
19	5	14
2	0	2
0	0	0
1	0	1
0	0	0
0	0	0
2	1	1
0	0	0
0	0	0
5	0	5
0	0	0
0	0	0
2	0	2
51	11	40

Deaths with Morphine in Combination with Other Drugs		
Total	Cause	Present
15	6	9
8	1	7
8	3	5
59	28	31
53	27	26
84	52	32
12	4	8
43	15	28
99	48	51
28	14	14
86	12	74
27	19	8
38	22	16
5	2	3
51	35	16
4	1	3
77	59	18
34	17	17
12	8	4
7	6	1
35	14	21
27	6	21
8	1	7
11	4	7
831	404	427

Morphine Deaths by Age January – December 2012

Medical Examiner District and Area of Florida		
District	Area of Florida	Total
1	Pensacola	17
2	Tallahassee	11
3	Live Oak	8
4	Jacksonville	59
5	Leesburg	56
6	St. Petersburg	86
7	Daytona Beach	17
8	Gainesville	43
9	Orlando	99
10	Lakeland	28
11	Miami	86
12	Sarasota	32
13	Tampa	57
14	Panama City	7
15	West Palm Bch	51
16	Florida Keys	5
17	Ft. Lauderdale	77
18	Melbourne	34
19	Ft. Pierce	14
20	Naples	7
21	Ft. Myers	35
22	Port Charlotte	32
23	St. Augustine	8
24	Sanford	13
Statewide Totals		882

Deaths Caused by Morphine					
Age of Decedent					
Total	< 18	18–25	26-34	35-50	>50
7	0	2	2	1	2
1	0	0	0	1	0
3	0	0	0	2	1
28	0	2	6	9	11
27	0	1	6	10	10
53	1	3	3	19	27
5	0	0	0	5	0
15	1	1	3	2	8
48	0	4	10	15	19
14	0	2	2	4	6
12	0	0	1	4	7
21	1	0	4	6	10
27	0	1	4	13	9
2	1	0	0	1	0
35	0	1	4	16	14
1	0	0	0	0	1
59	0	2	6	24	27
17	0	3	2	7	5
9	0	0	2	4	3
6	0	0	1	3	2
14	0	1	2	7	4
6	0	0	0	5	1
1	0	0	0	1	0
4	0	0	1	1	2
415	4	23	59	160	169

Morphine Present					
Age of Decedent					
Total	<18	18-25	26-34	35-50	>50
10	0	1	1	5	3
10	0	0	1	2	7
5	0	0	1	1	3
31	0	2	6	10	13
29	0	1	4	8	16
33	0	3	4	15	11
12	0	0	0	4	8
28	2	0	1	4	21
51	0	2	1	12	36
14	0	0	1	4	9
74	2	3	8	25	36
11	0	1	0	5	5
30	1	2	1	10	16
5	0	0	1	2	2
16	0	2	0	4	10
4	0	0	0	2	2
18	0	1	1	5	11
17	0	0	0	7	10
5	0	2	0	0	3
1	0	0	0	0	1
21	2	1	2	7	9
26	0	0	2	4	20
7	0	0	0	2	5
9	0	2	0	5	2
467	7	23	35	143	259

Prescription Drugs in Medical Examiner Cases 2011 vs. 2012

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
Statewide Totals	
<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 Cases (present & cause)		
2011	2012	Percent Change
133	143	7.5
71	62	-12.7
67	50	-25.4
344	351	2.0
312	273	-12.5
624	543	-13.0
163	149	-8.6
103	152	47.6
379	441	16.4
188	178	-5.3
312	353	13.1
225	196	-12.9
431	400	-7.2
63	80	27.0
626	297	-52.6
45	26	-42.2
431	351	-18.6
234	234	0.0
208	193	-7.2
72	72	0.0
199	181	-9.0
78	84	7.7
97	63	-35.1
84	72	-14.3
5,489	4,944	-9.9%
<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. These drugs may have also been mixed with illicit drugs and/or alcohol.</i></p>		

Accidental Deaths with Prescription Drugs (present & cause)		
2011	2012	Percent Change
85	67	-21.2
29	23	-20.7
37	28	-24.3
209	210	0.5
240	157	-34.6
398	283	-28.9
94	73	-22.3
96	73	-24.0
244	213	-12.7
191	98	-48.7
311	164	-47.3
129	107	-17.1
252	199	-21.0
54	28	-48.1
492	170	-65.4
23	14	-39.1
338	198	-41.4
190	119	-37.4
175	89	-49.1
50	40	-20.0
136	79	-41.9
36	30	-16.7
65	28	-56.9
53	35	-34.0
3,927	2,525	-35.7%
<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. These drugs may have also been mixed with illicit drugs and/or alcohol.</i></p>		

Accidental Deaths Caused by Prescription Drug		
2011	2012	Percent Change
50	46	-8.0
17	7	-58.8
18	16	-11.1
130	147	13.1
145	114	-21.4
323	156	-51.7
53	40	-24.5
20	39	95.0
131	130	-0.8
65	61	-6.2
83	71	-14.5
111	90	-18.9
197	138	-29.9
10	13	30.0
135	123	-8.9
15	8	-46.7
165	162	-1.8
97	80	-17.5
90	58	-35.6
41	33	-19.5
58	43	-25.9
17	13	-23.5
43	19	-55.8
25	24	-4.0
2,039	1,631	-20.0%
<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 have also been mixed with illicit drugs and/or alcohol.</i></p>		

Cocaine Deaths January – December 2012

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
Statewide Totals	

Total Deaths with Cocaine		
Total	Cause	Present
34	9	25
25	4	21
13	9	4
119	45	74
46	25	21
125	63	62
36	10	26
30	21	9
120	35	85
27	19	8
198	75	123
60	26	34
59	20	39
10	0	10
87	41	46
13	5	8
129	74	55
52	30	22
24	5	19
16	9	7
56	14	42
9	2	7
11	3	8
19	5	14
1,318	549	769

Deaths with Cocaine Only		
Total	Cause	Present
3	1	2
2	1	1
0	0	0
0	0	0
15	6	9
18	6	12
3	1	2
0	0	0
0	0	0
0	0	0
0	0	0
8	3	5
12	8	4
1	0	1
0	0	0
0	0	0
0	0	0
0	0	0
3	0	3
0	0	0
0	0	0
2	0	2
0	0	0
2	0	2
69	26	43

Deaths with Cocaine in Combination with Other Drugs		
Total	Cause	Present
31	8	23
23	3	20
13	9	4
119	45	74
31	19	12
107	57	50
33	9	24
30	21	9
120	35	85
27	19	8
198	75	123
52	23	29
47	12	35
9	0	9
87	41	46
13	5	8
129	74	55
52	30	22
21	5	16
16	9	7
56	14	42
7	2	5
11	3	8
17	5	12
1,249	523	726

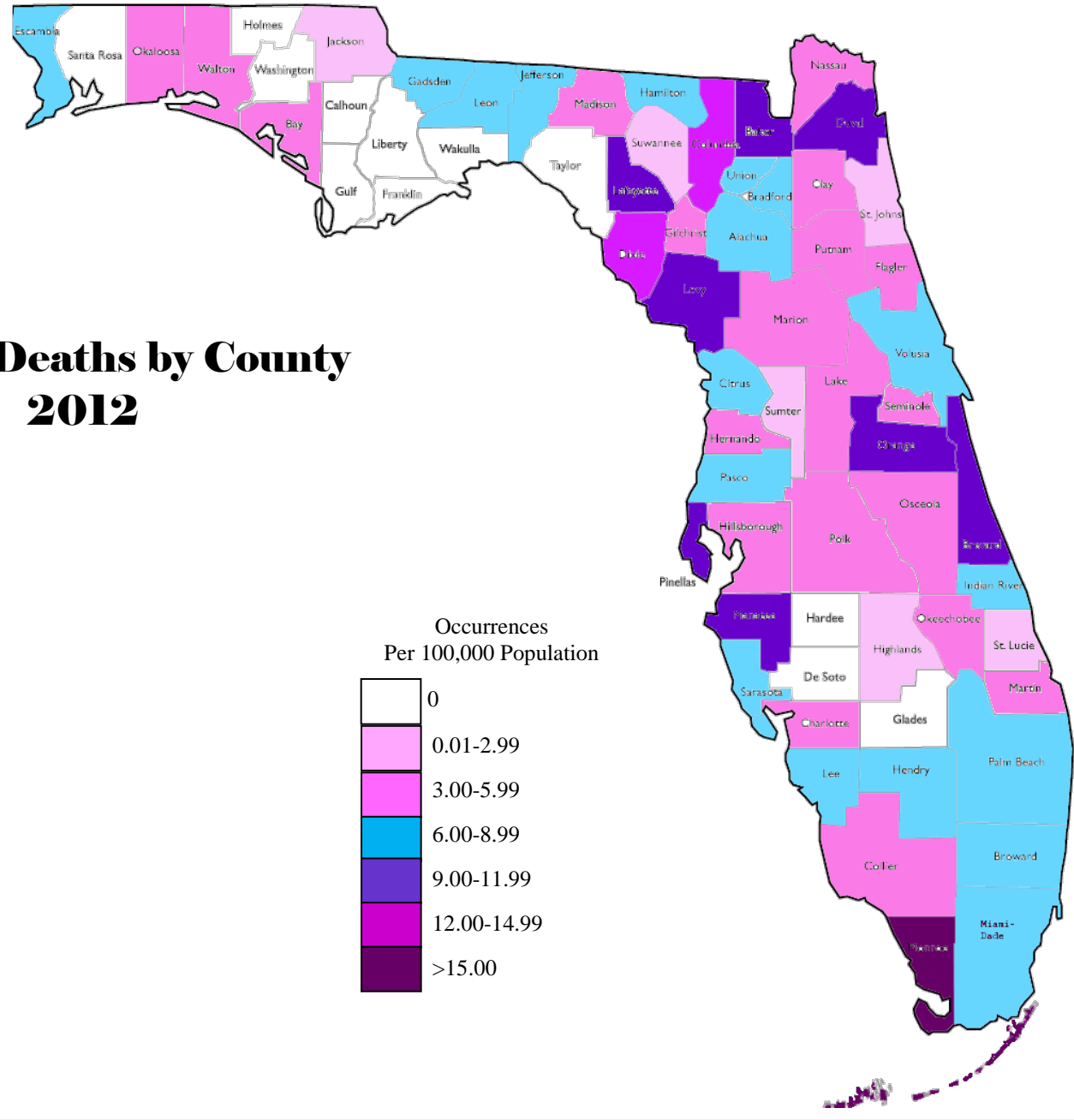
Cocaine Deaths by Age January – December 2012

Medical Examiner District and Area of Florida		
District	Area of Florida	Total
1	Pensacola	34
2	Tallahassee	25
3	Live Oak	13
4	Jacksonville	119
5	Leesburg	46
6	St. Petersburg	125
7	Daytona Beach	36
8	Gainesville	30
9	Orlando	120
10	Lakeland	27
11	Miami	198
12	Sarasota	60
13	Tampa	59
14	Panama City	10
15	West Palm Bch	87
16	Florida Keys	13
17	Ft. Lauderdale	129
18	Melbourne	52
19	Ft. Pierce	24
20	Naples	16
21	Ft. Myers	56
22	Port Charlotte	9
23	St. Augustine	11
24	Sanford	19
Statewide Totals		1,318

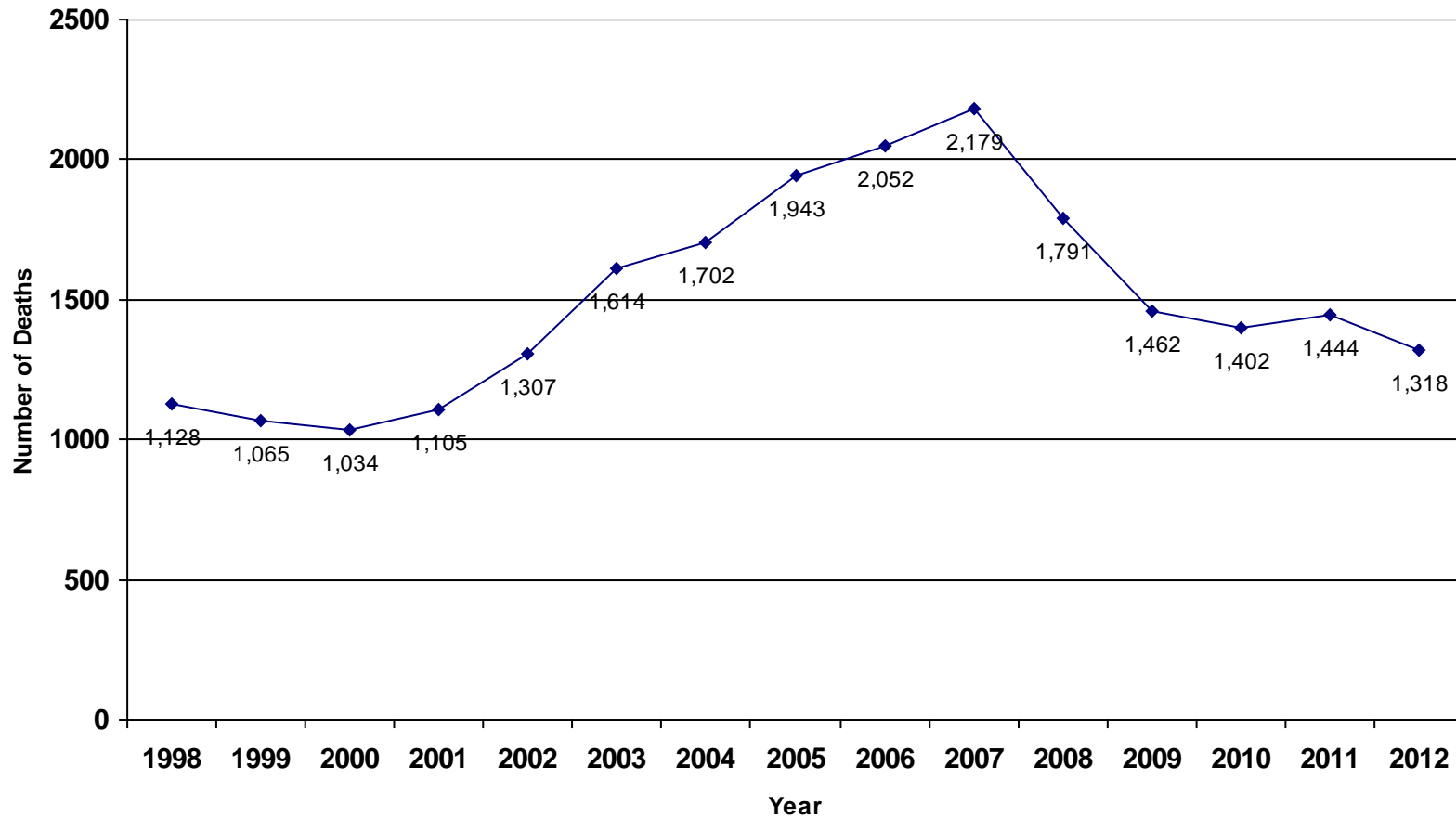
Deaths Caused by Cocaine						
Age of Decedent						
Total	< 18	18-25	26-34	35-50	>50	
9	0	1	2	4	2	
4	0	0	0	2	2	
9	1	0	1	6	1	
45	0	0	9	22	14	
25	0	1	6	9	9	
63	1	5	2	20	35	
10	0	0	0	7	3	
21	0	3	2	12	4	
35	0	0	7	17	11	
19	0	2	0	11	6	
75	0	4	10	26	35	
26	0	3	5	10	8	
20	0	1	3	8	8	
0	0	0	0	0	0	
41	0	2	8	14	17	
5	0	0	0	2	3	
74	0	0	12	28	34	
30	1	2	9	11	7	
5	0	0	0	2	3	
9	0	2	2	3	2	
14	0	5	1	6	2	
2	0	0	1	1	0	
3	0	0	1	1	1	
5	0	1	0	4	0	
549	3	32	81	226	207	

Cocaine Present						
Age of Decedent						
Total	<18	18-25	26-34	35-50	>50	
25	0	4	11	8	2	
21	0	2	4	7	8	
4	0	0	2	1	1	
74	1	10	18	32	13	
21	0	0	2	14	5	
62	0	6	11	24	21	
26	0	2	6	14	4	
9	0	2	1	2	4	
85	3	15	13	32	22	
8	0	1	1	4	2	
123	1	14	36	46	26	
34	0	4	7	15	8	
39	0	4	10	17	8	
10	0	0	1	7	2	
46	0	7	6	22	11	
8	0	0	2	4	2	
55	1	4	14	18	18	
22	0	3	7	6	6	
19	0	2	6	6	5	
7	0	1	2	2	2	
42	0	3	12	19	8	
7	1	0	0	4	2	
8	0	0	2	6	0	
14	0	2	4	7	1	
769	7	86	178	317	181	

Cocaine Deaths by County 2012



Historical Cocaine Related Deaths (present and cause) 1998 - 2012



Cocaine Related Deaths by Medical Examiner District (present and cause) 1998-2012

District	Area of Florida	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
1	Pensacola	18	22	23	23	37	46	59	69	78	76	56	33	36	34	34
2	Tallahassee	29	28	26	28	33	43	38	58	51	40	27	30	25	36	25
3	Live Oak	8	7	4	8	7	13	22	19	16	10	13	16	9	8	13
4	Jacksonville	86	100	101	108	148	184	205	195	246	248	165	125	115	113	119
5	Leesburg	23	19	35	38	47	56	69	60	21	45	67	56	52	48	46
6	St. Petersburg	52	58	75	81	89	116	150	138	185	173	154	139	134	112	125
7	Daytona Beach	26	8	24	37	35	42	43	77	64	84	51	58	44	43	36
8	Gainesville	19	15	17	12	15	45	43	48	47	42	32	39	39	34	30
9	Orlando	112	103	109	94	116	124	136	165	178	190	179	145	128	124	120
10	Lakeland	34	27	21	33	30	43	46	75	53	41	40	35	42	29	27
11	Miami	273	226	144	149	151	189	160	162	182	281	201	155	198	184	198
12	Sarasota	29	26	38	39	46	83	69	83	106	105	75	59	57	54	60
13	Tampa	72	80	52	56	79	81	108	115	130	158	146	54	83	96	59
14	Panama City	20	19	19	20	24	31	22	24	32	31	17	20	9	9	10
15	West Palm Bch	69	73	103	125	113	147	151	197	191	168	143	126	106	182	87
16	Florida Keys	12	20	12	14	16	11	10	18	16	27	15	14	11	7	13
17	Ft. Lauderdale	135	139	80	94	121	138	120	136	150	157	146	135	127	115	129
18	Melbourne	30	23	42	35	48	66	62	84	80	62	68	59	49	38	52
19	Ft. Pierce	22	21	37	39	33	33	43	58	45	46	47	35	20	40	24
20	Naples	8	14	15	17	23	15	21	24	34	29	15	21	13	23	16
21	Ft. Myers	20	27	35	27	55	68	84	78	96	79	67	48	53	73	56
22	Port Charlotte	4	3	6	6	5	3	10	14	14	19	14	9	5	7	9
23	St. Augustine	9	4	2	7	23	24	20	24	17	33	27	19	23	15	11
24	Sanford	18	3	14	15	13	13	11	22	20	35	26	32	24	20	19
Statewide Total		1,128	1,065	1,034	1,105	1,307	1,614	1,702	1,943	2,052	2,179	1,791	1,462	1,402	1,444	1,318

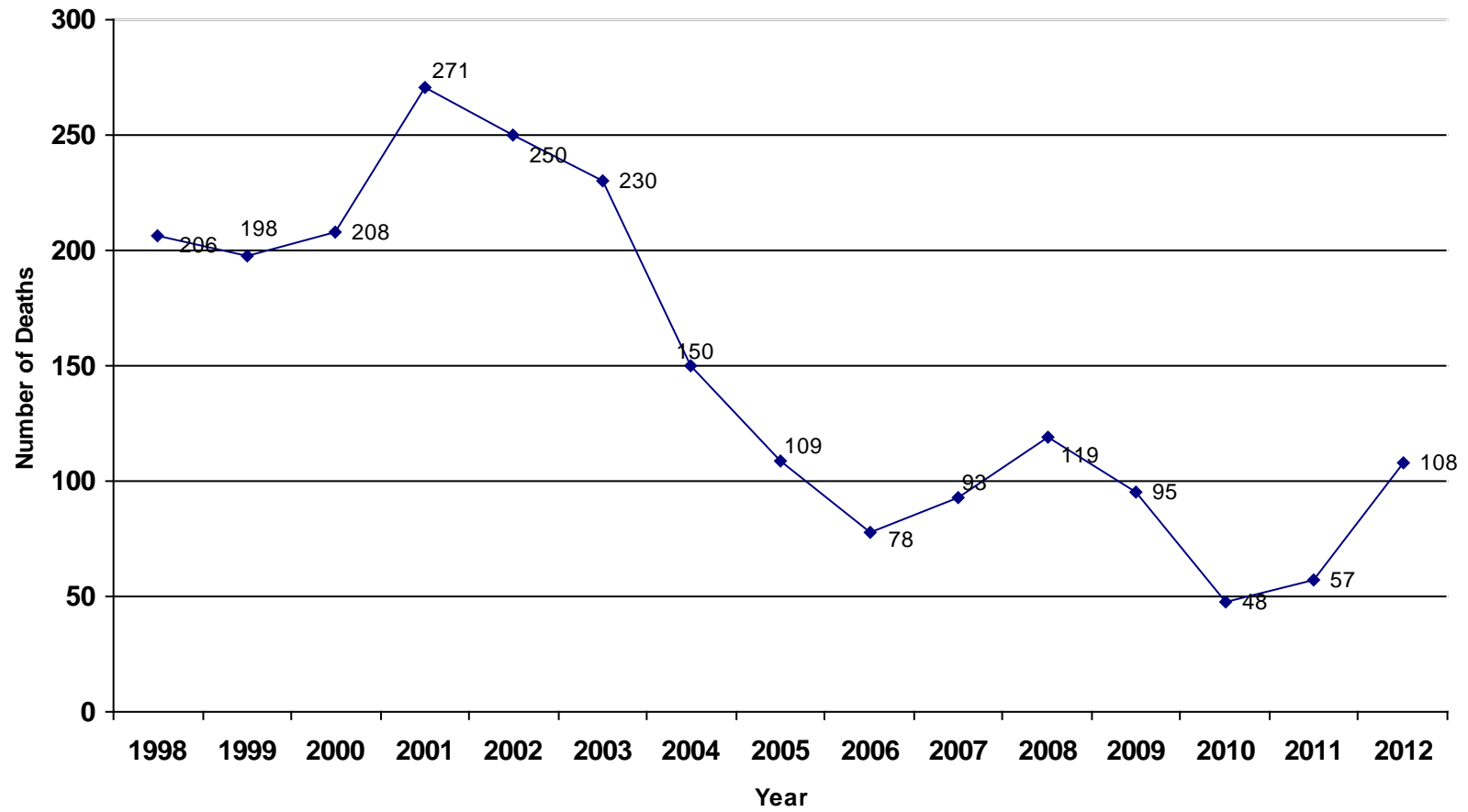
Heroin Deaths by Age January – December 2012

Medical Examiner District and Area of Florida		
District	Area of Florida	Total
1	Pensacola	1
2	Tallahassee	0
3	Live Oak	0
4	Jacksonville	14
5	Leesburg	3
6	St. Petersburg	1
7	Daytona Beach	1
8	Gainesville	2
9	Orlando	26
10	Lakeland	1
11	Miami	33
12	Sarasota	8
13	Tampa	2
14	Panama City	0
15	West Palm Bch	6
16	Florida Keys	1
17	Ft. Lauderdale	9
18	Melbourne	0
19	Ft. Pierce	2
20	Naples	0
21	Ft. Myers	4
22	Port Charlotte	1
23	St. Augustine	1
24	Sanford	1
Statewide Totals		117

Deaths Caused by Heroin						
Age of Decedent						
Total	< 18	18-25	26-34	35-50	>50	
1	0	0	1	0	0	
0	0	0	0	0	0	
0	0	0	0	0	0	
10	0	2	5	2	1	
3	0	0	1	1	1	
1	0	0	0	0	1	
1	0	0	0	1	0	
2	0	0	1	1	0	
26	0	2	10	8	6	
1	0	0	0	1	0	
32	0	2	3	16	11	
7	1	0	3	1	2	
2	0	0	1	0	1	
0	0	0	0	0	0	
6	0	0	2	2	2	
1	0	0	0	1	0	
9	0	0	2	4	3	
0	0	0	0	0	0	
1	0	0	0	1	0	
0	0	0	0	0	0	
3	0	0	1	1	1	
1	0	0	0	1	0	
1	0	0	0	1	0	
0	0	0	0	0	0	
108	1	6	30	42	29	

Heroin Present						
Age of Decedent						
Total	<18	18-25	26-34	35-50	>50	
0	0	0	0	0	0	
0	0	0	0	0	0	
0	0	0	0	0	0	
4	0	0	1	2	1	
0	0	0	0	0	0	
0	0	0	0	0	0	
0	0	0	0	0	0	
0	0	0	0	0	0	
0	0	0	0	0	0	
0	0	0	0	0	0	
1	0	0	0	1	0	
1	0	0	0	0	1	
0	0	0	0	0	0	
0	0	0	0	0	0	
0	0	0	0	0	0	
0	0	0	0	0	0	
0	0	0	0	0	0	
0	0	0	0	0	0	
1	0	1	0	0	0	
0	0	0	0	0	0	
1	0	0	0	0	1	
0	0	0	0	0	0	
0	0	0	0	0	0	
1	0	0	0	1	0	
9	0	1	1	4	3	

Deaths Caused by Heroin 1998 – 2012

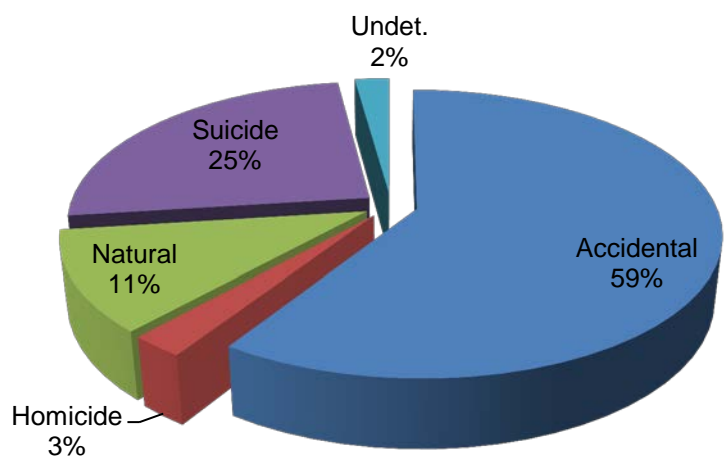


Heroin Deaths by Medical Examiner District (Cause) 1998-2012

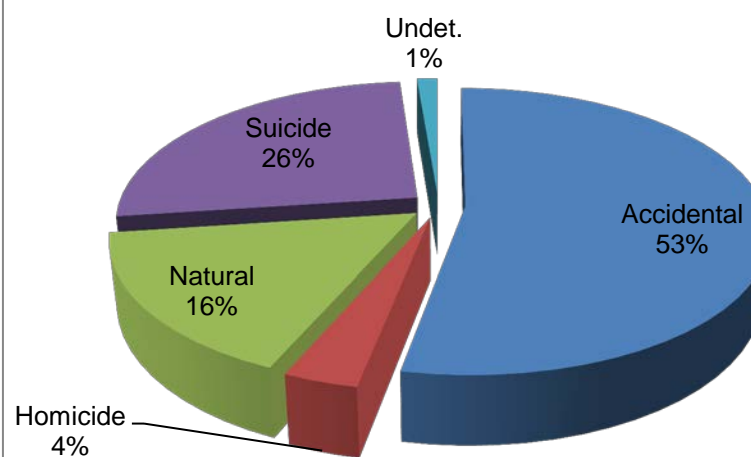
District	Area of Florida	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
1	Pensacola	0	0	0	1	0	0	0	0	1	0	1	2	0	0	1
2	Tallahassee	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0
3	Live Oak	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Jacksonville	0	5	4	10	8	5	4	3	4	6	3	2	1	2	10
5	Leesburg	0	2	3	1	4	2	1	0	0	0	5	1	0	1	3
6	St. Petersburg	10	8	17	24	31	22	14	12	6	11	3	8	3	1	1
7	Daytona Beach	4	0	6	1	2	2	2	0	1	1	0	2	1	0	1
8	Gainesville	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
9	Orlando	36	42	30	34	22	33	20	15	7	16	16	22	9	16	26
10	Lakeland	1	3	1	0	2	0	1	2	0	0	0	1	0	0	1
11	Miami	61	48	61	32	36	28	18	19	12	19	33	26	19	13	32
12	Sarasota	0	1	7	3	3	18	14	8	14	3	18	3	2	2	7
13	Tampa	13	19	21	34	33	18	14	6	7	10	5	1	1	2	2
14	Panama City	0	0	2	0	0	0	0	0	0	1	0	0	1	0	0
15	West Palm Bch	19	12	15	57	36	27	26	17	8	10	6	6	4	12	6
16	Florida Keys	2	5	0	3	4	0	1	0	1	0	1	1	0	0	1
17	Ft. Lauderdale	37	35	17	51	38	43	22	17	11	3	13	7	4	3	9
18	Melbourne	1	6	5	6	7	8	3	2	1	1	1	2	0	0	0
19	Ft. Pierce	3	1	1	3	2	3	3	1	3	3	3	1	1	1	1
20	Naples	4	3	3	3	9	3	0	1	1	1	1	0	0	0	0
21	Ft. Myers	3	7	10	5	7	12	4	0	1	4	7	8	0	1	3
22	Port Charlotte	0	0	1	0	4	0	1	3	0	0	0	1	0	0	1
23	St. Augustine	0	0	0	0	1	0	0	0	0	0	0	0	1	0	1
24	Sanford	9	1	4	3	1	6	2	3	0	4	3	1	1	2	0
Statewide Totals		206	198	208	271	250	230	150	109	78	93	119	95	48	57	108

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

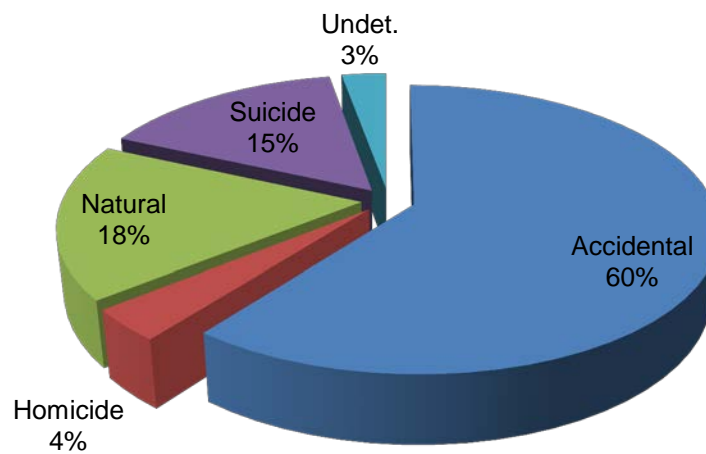
Alprazolam Deaths



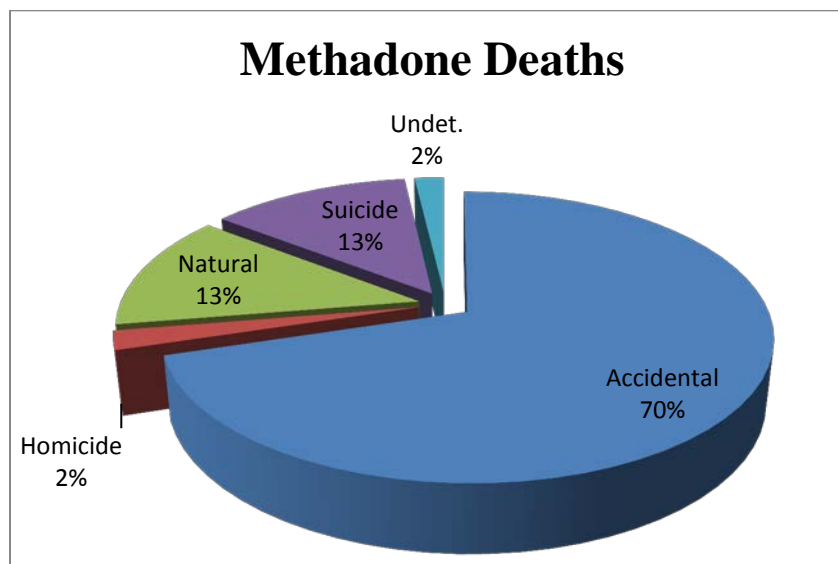
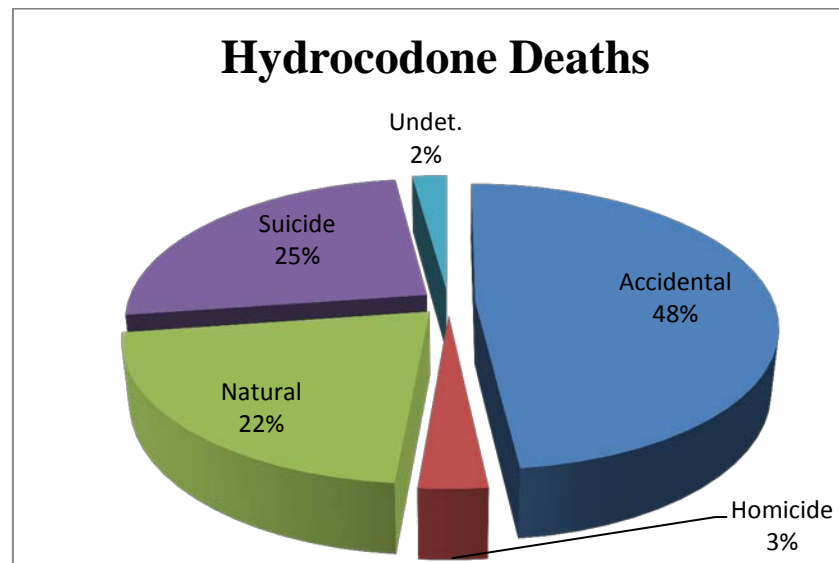
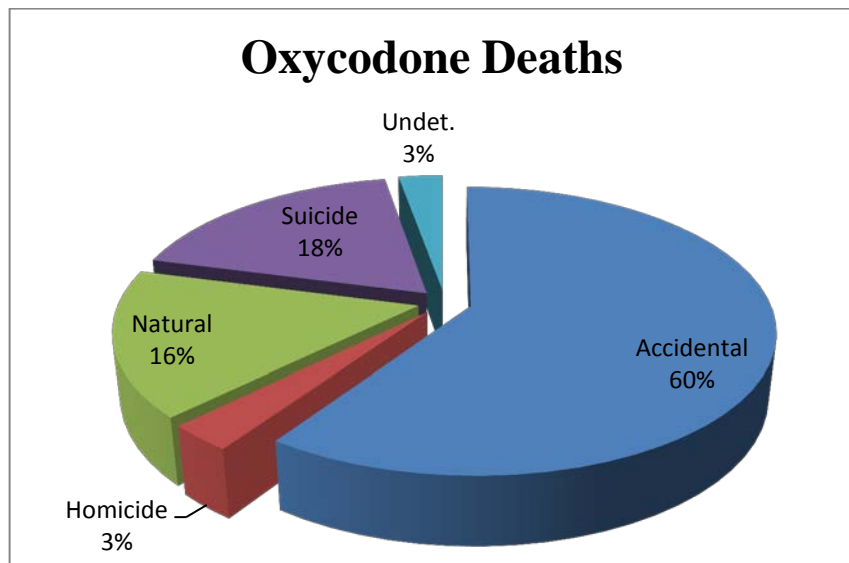
Diazepam Deaths



Morphine Deaths

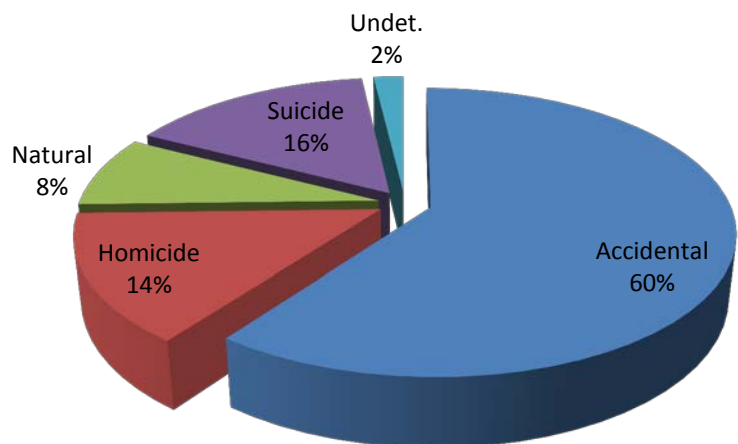


Manner of Death for Cases Reported (Accidental, Homicide, Natural, Suicide or Undetermined)

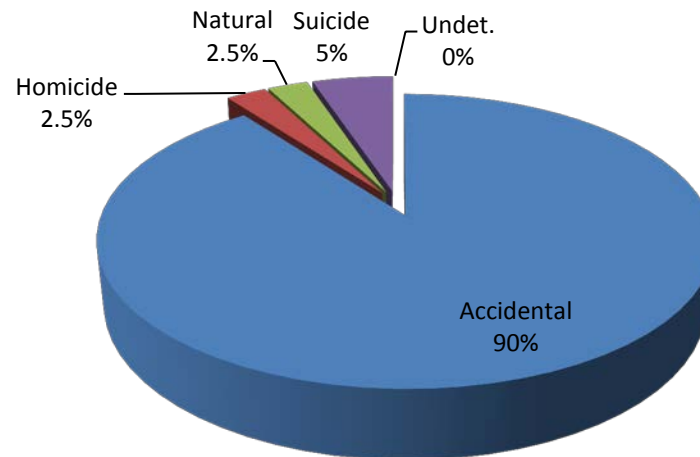


Manner of Death for Cases Reported (Accidental, Homicide, Natural, Suicide or Undetermined)

Cocaine Deaths



Heroin Deaths



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 (N₂O) – 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. Propoxyphene was withdrawn from the market in 2010.

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.