

# **Drugs Identified in Deceased Persons by Florida Medical Examiners**

## **2008 Report**



## Data Collection

The Office of Vital Statistics reported more than 171,800 deaths occurred in Florida during 2008. Of these, the medical examiners reported on 8,556 drug-related deaths (whether the cause of death or merely present) through toxicology reports submitted to the Medical Examiners Commission. In order for a death to be considered “drug-related” there needs to be at least one drug identified in the decedent, which is a drug occurrence. The vast majority of these 8,556 decedents (cases) had more than one drug occurrence.

The state’s medical examiners were asked to distinguish between the drugs being 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. When a medical examiner determines a drug is present or identifiable in the decedent, the drug may not have played a causal role in the death. It is not uncommon for a decedent to have multiple drugs listed as present. 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, Diazepam, Flunitrazepam (Rohypnol), other Benzodiazepines);
- ✓ Cannabinoids;
- ✓ Carisoprodol/Meprobamate;
- ✓ Cocaine;
- ✓ Ethyl Alcohol;
- ✓ Gamma-Hydroxybutyric Acid (GHB);
- ✓ Inhalants (Freon, Nitrous Oxide, Difluoroethane, other Inhalants);
- ✓ Ketamine;
- ✓ Methylated Amphetamines (Amphetamines, Methamphetamine, MDMA (Ecstasy), MDA, MDEA, other Methylated Amphetamines);
- ✓ Opioids (Fentanyl, Heroin, Hydrocodone, Hydromorphone, Meperidine, Methadone, Morphine, Oxycodone, Propoxyphene, Tramadol, other Opioids);  
and
- ✓ Phencyclidine (PCP).

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

# Report Summary

Some general statewide trends for 2008 are listed below:

- ✓ The four most frequently occurring drugs found in decedents were Ethyl Alcohol (4,070), all Benzodiazepines (3,229 including 1,873 Alprazolam occurrences), Cocaine (1,791), and Oxycodone (1,574).
- ✓ The drugs that caused the most deaths were Oxycodone (941), all Benzodiazepines (929 - includes 705 deaths caused by Alprazolam), Methadone (693), Cocaine (648), Ethyl Alcohol (489), Morphine (300), and Hydrocodone (270).
- ✓ The three drugs that were the most lethal (more than 50% of the deaths in which these drugs were found, were caused by the drug) were Heroin (90.2%), Methadone (74.0%), and Oxycodone (59.8%).
- ✓ While more than 50% of the deaths from Freon, Difluoroethane, and Nitrous Oxide were caused by the drug, the sample size is small for each drug. The Medical Examiners Commission began tracking Difluoroethane as an Inhalant in 2008.
- ✓ The prescription drugs (Benzodiazepines, Carisoprodol/Meprobamate, and all Opioids excluding Heroin) tracked through this report continued to be found more often than illicit drugs, both lethal (81%) and non-lethal (72%). Prescription drugs account for 75% of all drug occurrences in this report when Ethyl Alcohol is excluded.
- ✓ Occurrences of Oxycodone and Hydrocodone showed an increase of 25.6% and 7.8%, respectively, when compared with 2007. Also, deaths caused by Oxycodone (236 more than 2007) and Hydrocodone (6 more than 2007) increased this year.
- ✓ Heroin continues to be the most lethal drug named in this report. Occurrences of Heroin have increased by 20%, deaths caused by Heroin also increased by 28% when compared with 2007.
- ✓ Methadone occurrences decreased by 14.5% as well as deaths caused by Methadone by 11.7% when compared with 2007.
- ✓ Cocaine occurrences decreased by 17.8% and deaths caused by Cocaine declined by 23.1% when compared with 2007. In 1987, 664 Cocaine-related deaths were reported (the first year data was tracked).
- ✓ Occurrences of Tramadol increased 49.7% when compared to 2007.
- ✓ Alprazolam (Xanax) and Diazepam (Valium) dominate the category of Benzodiazepines, where occurrences of Alprazolam increased by 29.4%. Diazepam also increased by 19.2% when compared to 2007.
- ✓ Codeine continues to be the predominant “Other Opioid” reported.
- ✓ 4,924 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.
- ✓ 2,184 individuals died with at least one prescription drug in their system that was, in the opinion of the medical examiner, 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

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

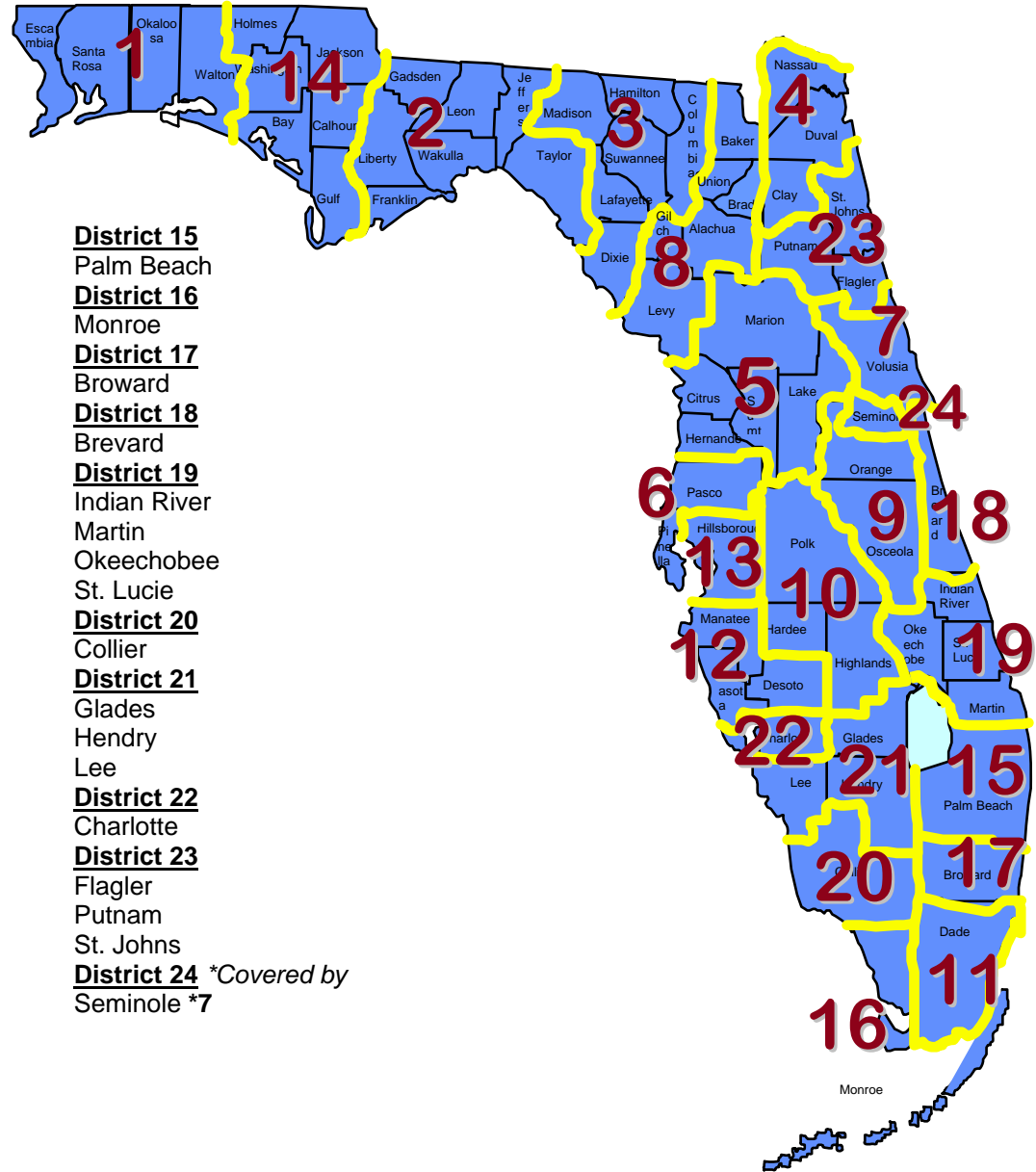


Table 1

## Summary of Drug-Related Deaths January – December 2008

Drug Found in Body		Total Occurrences	Cause	Present
Ethyl Alcohol		4,070	489	3,581
Methylated Amphetamines	<b>All Methylated Amphetamine cases</b>	207	47	160
	Amphetamine	67	12	55
	Methamphetamine	114	26	88
	MDMA	44	7	37
	MDA	23	6	17
	MDEA	0	0	0
	Other Methylated Amphetamines	6	0	6
	Benzodiazepines	<b>All Benzodiazepine cases</b>	3,229	929
Alprazolam		1,873	705	1,168
Diazepam		914	205	709
Flunitrazepam (Rohypnol)		0	0	0
Other Benzodiazepines		1,380	180	1,200
Cannabinoids		859	0	859
Carisoprodol/Meprobamate		415	84	331
Cocaine		1,791	648	1,143

*Note: Many of the deaths have several drugs contributing to the death. The count of drugs listed is greater than the number of deaths. Do not aggregate across drugs.*

Table 1

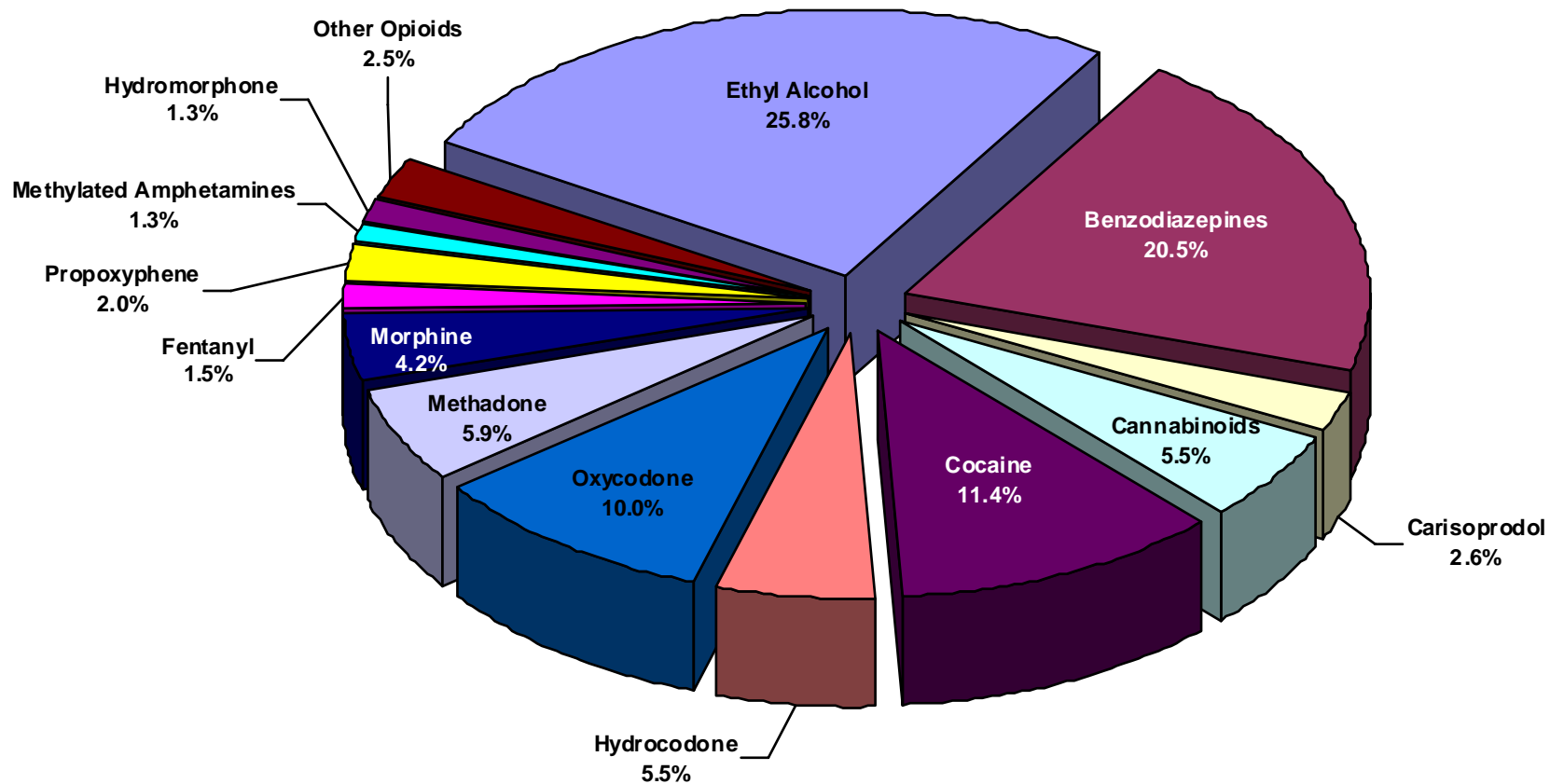
**Summary of Drug-Related Deaths (continued)**

	<b>Drug Found in Body</b>	<b>Total Occurrences</b>	<b>Cause</b>	<b>Present</b>
Inhalants	Freon	6	6	0
	Nitrous Oxide (N <sub>2</sub> O)	1	1	0
	Difluoroethane	14	9	5
	Other Inhalants	5	4	1
	GHB	3	1	2
	Ketamine	8	1	7
	Phencyclidine (PCP)	2	0	2
Opioids	Heroin (only illicit opioid)	132	119	13
	Fentanyl	235	104	131
	Hydrocodone	870	270	600
	Hydromorphone	199	41	158
	Meperidine	29	4	25
	Methadone	936	693	243
	Morphine	660	300	360
	Oxycodone	1,574	941	633
	Propoxyphene	322	80	242
	Tramadol	235	56	179
	Other Opioids	394	87	307

*Note: Many of the deaths have several drugs contributing to the death. The count of drugs listed is greater than the number of deaths. Do not aggregate across drugs.*

Chart 1

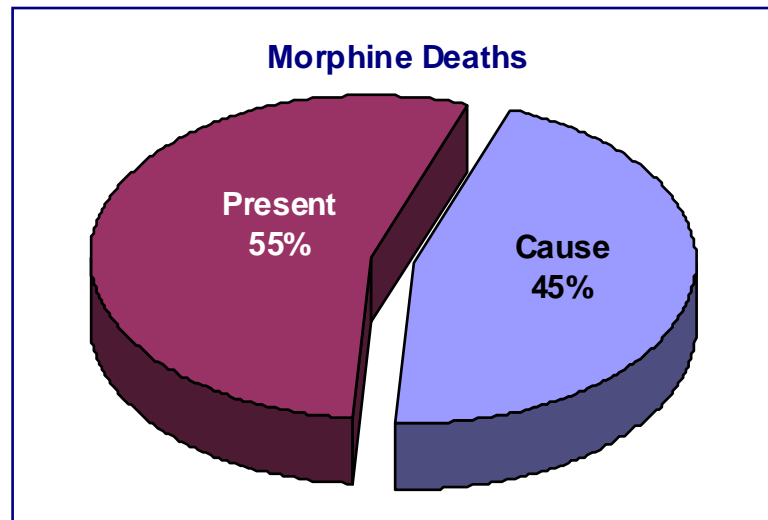
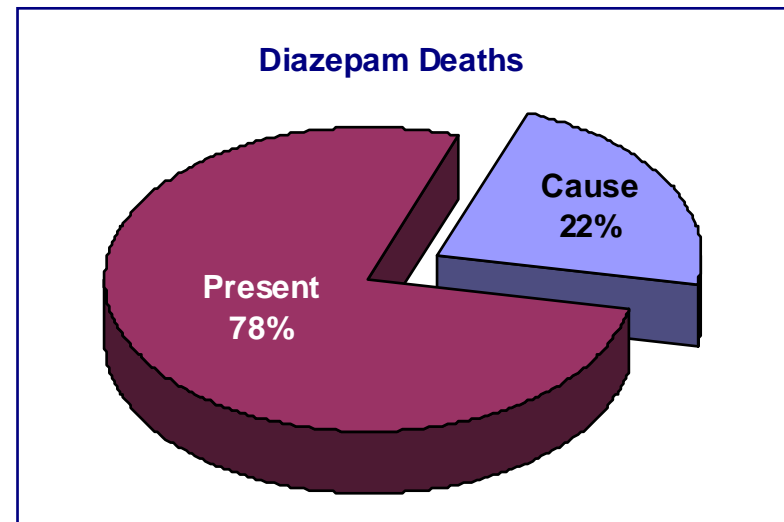
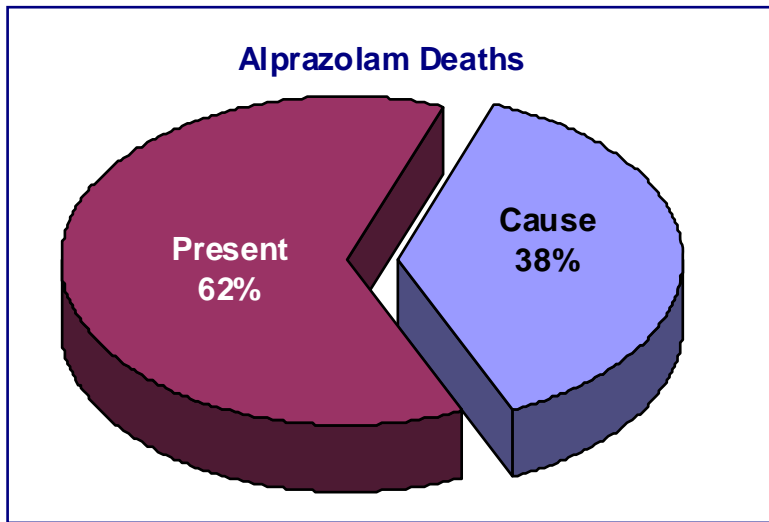
## Frequency of Occurrence of Drugs in Decedents January – December 2008



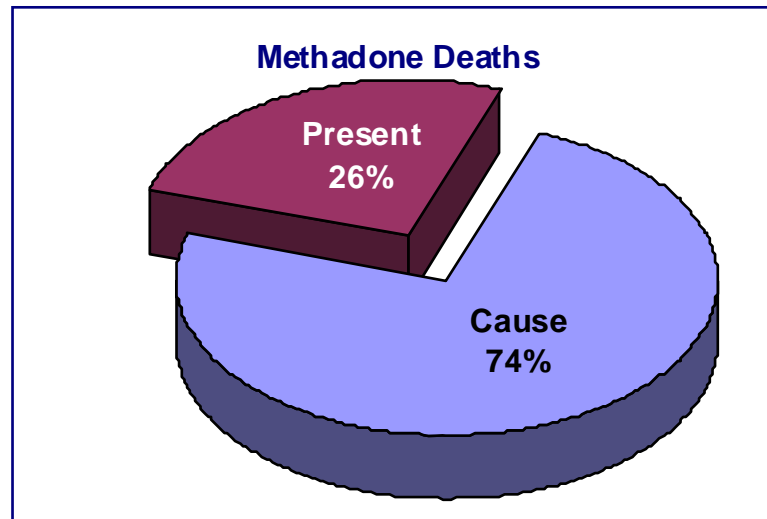
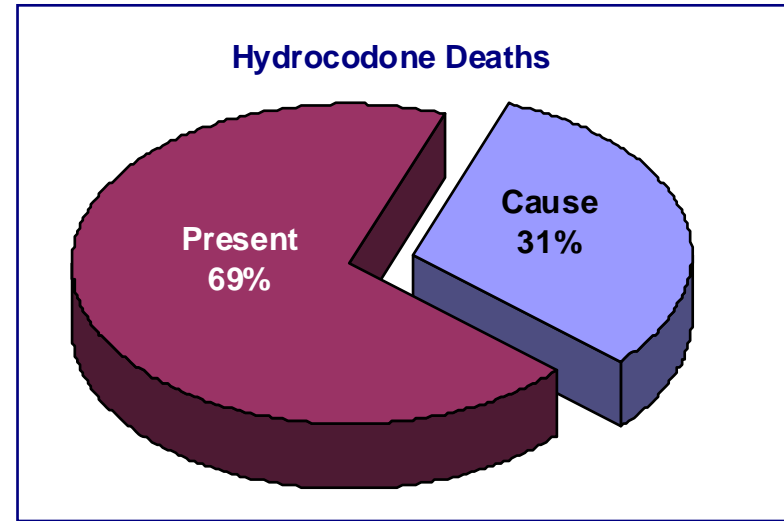
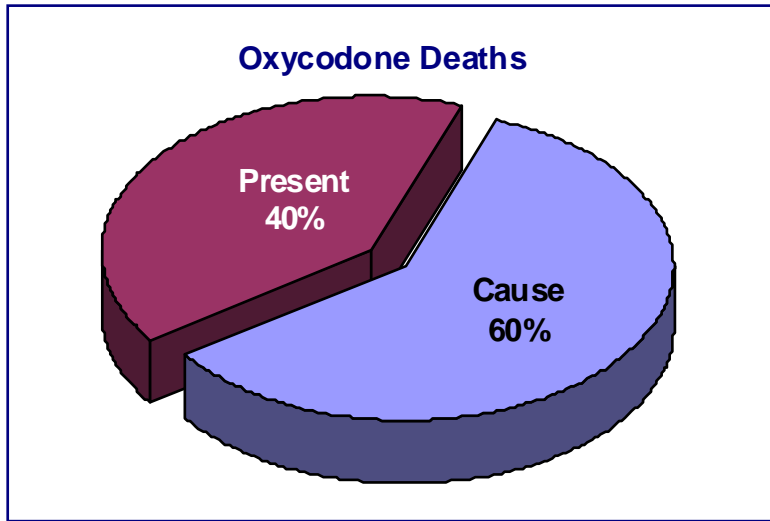
Heroin, GHB, Ketamine, Freon, Meperidine, PCP, Tramadol, and other inhalants constituted less than 1% of the drug frequencies.

Note: Many of the deaths have several drugs contributing to the death. The count of drugs listed is greater than the number of deaths. Do not add across drugs.

## Drug Detected at Death: Lethal vs. Non-Lethal



## Drug Detected at Death: Lethal vs. Non-Lethal



## Drug Detected at Death: Lethal vs. Non-Lethal

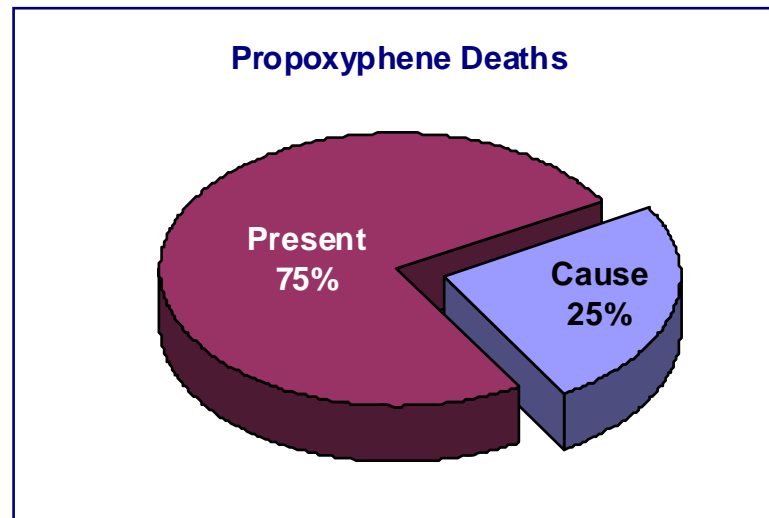
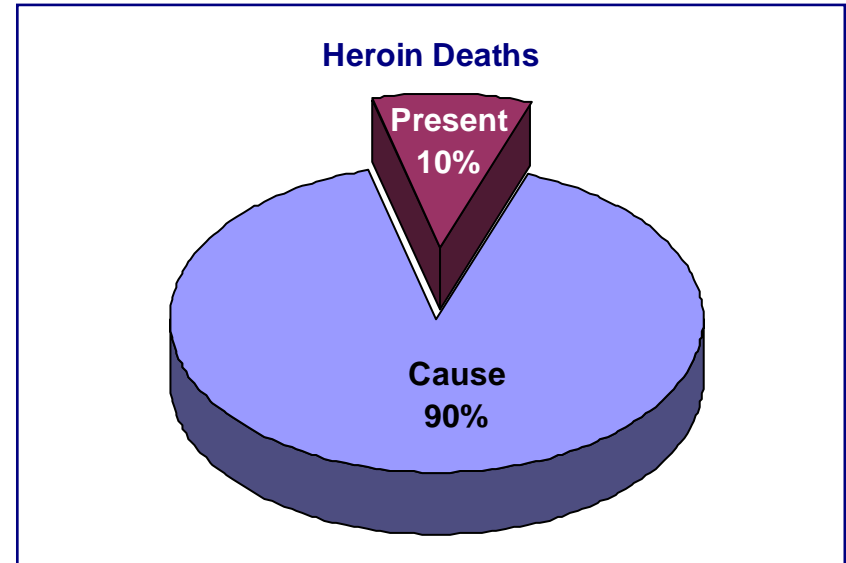
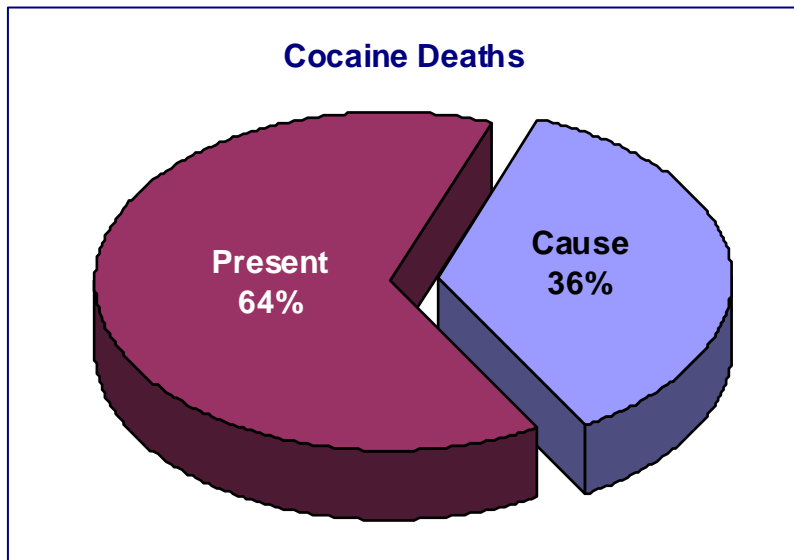


Table 2  
**Comparison of Drug-Related Deaths  
 2007 vs. 2008**

<b>Drug Found in Body</b>		<b>2007</b>	<b>2008</b>	<b>Percentage Change</b>
Ethyl Alcohol		4,179	4,070	-2.6%
Methylated Amphetamines	<b>All Methylated Amphetamine cases</b>	201	207	3.0%
	Amphetamine	103	67	-35.0%
	Methamphetamine	107	114	6.5%
	MDMA	76	44	-42.1%
	MDA	36	23	-36.1%
	MDEA	1	0	*
	Other Methylated Amphetamines	2	6	*
Benzodiazepines	<b>All Benzodiazepine cases</b>	2,627	3,229	22.9%
	Alprazolam	1,448	1,873	29.4%
	Diazepam	767	914	19.2%
	Flunitrazepam (Rohypnol)	0	0	-
	Other Benzodiazepines	1,124	1,380	22.8%
Cannabinoids		1,103	859	-22.1%
Carisoprodol/Meprobamate		337	415	23.1%
Cocaine		2,179	1,791	-17.8%

\* Note: Due to small sample size, percentage change was not calculated.

Table 2

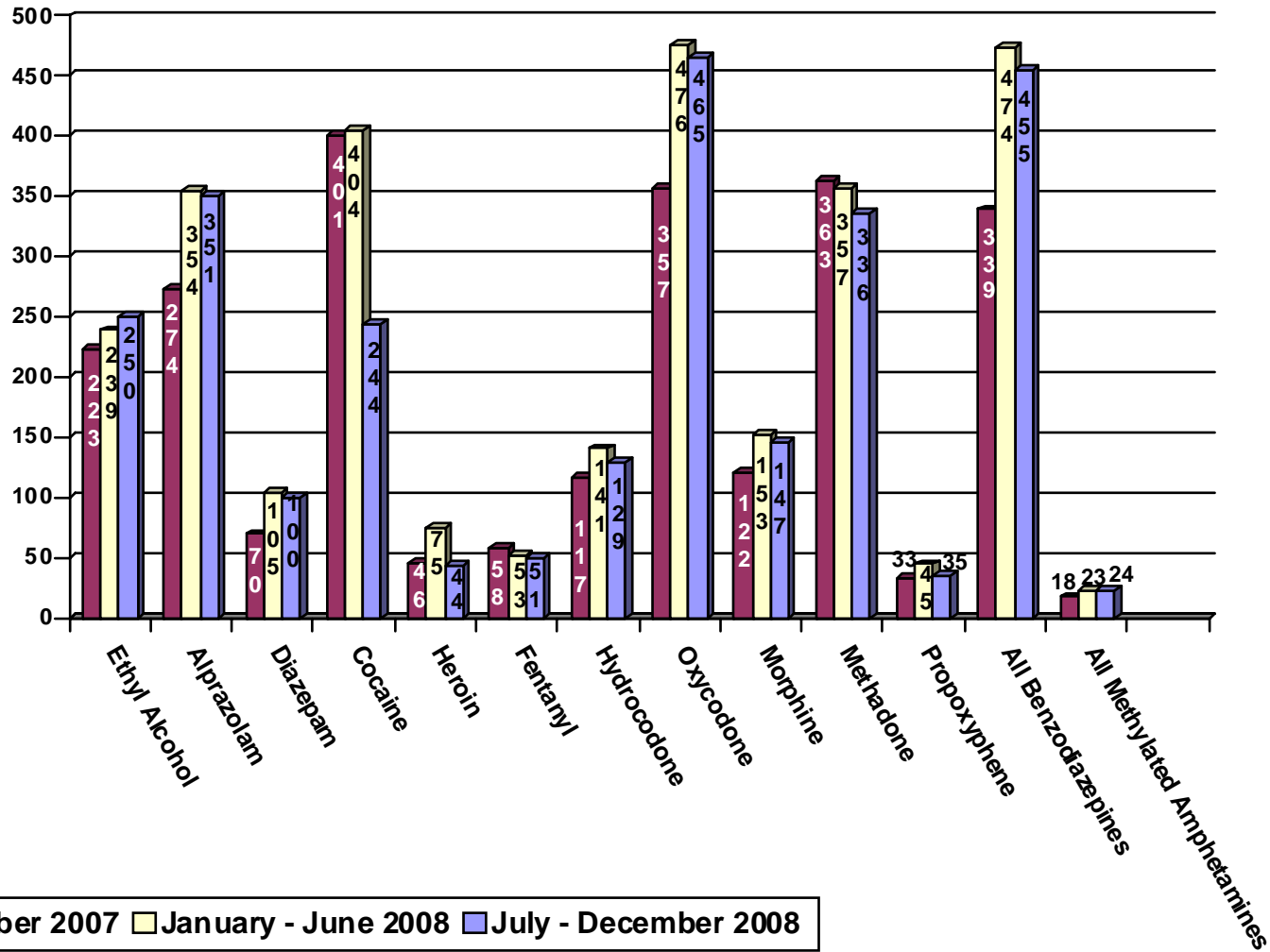
**Comparison of Drug-Related Deaths (continued)**

Drug Found in Body		2007	2008	Percentage Change
Inhalants	Freon	2	6	*
	Nitrous Oxide (N2O)	2	1	*
	Difluoroethane	8	14	*
	Other Inhalants	2	5	*
GHB		5	3	*
Ketamine		5	8	*
Phencyclidine (PCP)		1	2	*
Opioids	Heroin (only illicit opioid)	110	132	20.0%
	Fentanyl	197	235	19.3%
	Hydrocodone	807	870	7.8%
	Hydromorphone	178	199	11.8%
	Meperidine	33	29	-12.1%
	Methadone	1,095	936	-14.5%
	Morphine	630	660	4.8%
	Oxycodone	1,253	1,574	25.6%
	Propoxyphene	341	322	-5.6%
	Tramadol	157	235	49.7%
	Other Opioids	368	394	7.1%

\* Note: Due to small sample size, percentage change was not calculated.

Chart 3

## Lethal Drug Occurrences July 2007 – December 2008



*Note: Due to small sample size, some drugs are not included in the above chart.*

Table 3

## Alprazolam Deaths January – December 2008

Medical Examiner District & Area of Florida		Total Deaths with Alprazolam			Deaths with Alprazolam Only			Deaths with Alprazolam in Combination with Other Drugs		
District	Area of Florida	Total	Cause	Present	Total	Cause	Present	Total	Cause	Present
1	Pensacola	54	26	28	3	0	3	51	26	25
2	Tallahassee	14	3	11	0	0	0	14	3	11
3	Live Oak	13	7	6	0	0	0	13	7	6
4	Jacksonville	125	58	67	7	0	7	118	58	60
5	Leesburg	56	24	32	3	1	2	53	23	30
6	St. Petersburg	250	62	188	9	1	8	241	61	180
7	Daytona Beach	67	1	66	5	0	5	62	1	61
8	Gainesville	37	10	27	5	0	5	32	10	22
9	Orlando	130	50	80	9	1	8	121	49	72
10	Lakeland	68	4	64	0	0	0	68	4	64
11	Miami	101	36	65	16	1	15	85	35	50
12	Sarasota	83	45	38	5	0	5	78	45	33
13	Tampa	120	79	41	13	2	11	107	77	30
14	Panama City	28	14	14	2	0	2	26	14	12
15	West Palm Bch	176	80	96	7	1	6	169	79	90
16	Florida Keys	13	6	7	1	0	1	12	6	6
17	Ft. Lauderdale	203	110	93	20	4	16	183	106	77
18	Melbourne	92	38	54	6	0	6	86	38	48
19	Ft. Pierce	74	9	65	5	0	5	69	9	60
20	Naples	27	2	25	2	0	2	25	2	23
21	Ft. Myers	74	26	48	5	1	4	69	25	44
22	Port Charlotte	14	2	12	0	0	0	14	2	12
23	St. Augustine	22	11	11	2	0	2	20	11	9
24	Sanford	32	2	30	3	0	3	29	2	27
<b>Statewide Totals</b>		<b>1,873</b>	<b>705</b>	<b>1,168</b>	<b>128</b>	<b>12</b>	<b>116</b>	<b>1,745</b>	<b>693</b>	<b>1,052</b>

Table 4

## Alprazolam Deaths by Age January – December 2008

Medical Examiner District and Area of Florida		
District	Area of Florida	Total
1	Pensacola	54
2	Tallahassee	14
3	Live Oak	13
4	Jacksonville	125
5	Leesburg	56
6	St. Petersburg	250
7	Daytona Beach	67
8	Gainesville	37
9	Orlando	130
10	Lakeland	68
11	Miami	101
12	Sarasota	83
13	Tampa	120
14	Panama City	28
15	West Palm Bch	176
16	Florida Keys	13
17	Ft. Lauderdale	203
18	Melbourne	92
19	Ft. Pierce	74
20	Naples	27
21	Ft. Myers	74
22	Port Charlotte	14
23	St. Augustine	22
24	Sanford	32
<b>Statewide Totals</b>		<b>1,873</b>

Deaths Caused by Alprazolam (Lethal)						
Age of Decedent						
Total	< 18	18-25	26-34	35-50	>50	
26	0	7	8	7	4	
3	0	0	1	2	0	
7	0	3	2	2	0	
58	0	6	12	24	16	
24	4	5	5	8	2	
62	2	11	17	24	8	
1	0	1	0	0	0	
10	0	2	2	3	3	
50	1	12	8	20	9	
4	0	4	0	0	0	
36	1	5	7	16	7	
45	2	13	9	15	6	
79	0	15	18	27	19	
14	0	3	3	7	1	
80	0	18	18	26	18	
6	0	0	2	2	2	
110	0	14	22	49	25	
38	0	6	8	13	11	
9	0	0	1	6	2	
2	0	0	1	1	0	
26	0	11	3	8	4	
2	0	0	1	1	0	
11	0	2	4	3	2	
2	0	0	1	1	0	
<b>705</b>	<b>10</b>	<b>138</b>	<b>153</b>	<b>265</b>	<b>139</b>	

Alprazolam Present (Non-Lethal)						
Age of Decedent						
Total	<18	18-25	26-34	35-50	>50	
28	0	3	6	8	11	
11	0	3	3	3	2	
6	0	0	0	4	2	
67	1	9	12	28	17	
32	0	5	7	11	9	
188	4	34	35	73	42	
66	1	11	14	31	9	
27	0	3	4	5	15	
80	2	17	13	21	27	
64	0	11	16	22	15	
65	1	6	7	19	32	
38	1	9	8	10	10	
41	1	5	6	16	13	
14	0	2	4	6	2	
96	1	19	17	38	21	
7	0	0	0	3	4	
93	0	9	16	38	30	
54	0	6	9	22	17	
65	0	10	8	28	19	
25	1	3	6	11	4	
48	0	11	3	26	8	
12	0	0	5	5	2	
11	0	4	5	2	0	
30	0	6	5	11	8	
<b>1,168</b>	<b>13</b>	<b>186</b>	<b>209</b>	<b>441</b>	<b>319</b>	

Table 5

## Diazepam Deaths January – December 2008

<b>Medical Examiner District &amp; Area of Florida</b>		<b>Total Deaths with Diazepam</b>			<b>Deaths with Diazepam Only</b>			<b>Deaths with Diazepam in Combination with Other Drugs</b>		
District	Area of Florida	Total	Cause	Present	Total	Cause	Present	Total	Cause	Present
1	Pensacola	24	5	19	0	0	0	24	5	19
2	Tallahassee	5	0	5	0	0	0	5	0	5
3	Live Oak	9	4	5	0	0	0	9	4	5
4	Jacksonville	74	19	55	5	0	5	69	19	50
5	Leesburg	28	10	18	1	0	1	27	10	17
6	St. Petersburg	145	7	138	1	0	1	144	7	137
7	Daytona Beach	28	0	28	2	0	2	26	0	26
8	Gainesville	23	7	16	2	0	2	21	7	14
9	Orlando	53	5	48	1	0	1	52	5	47
10	Lakeland	22	1	21	0	0	0	22	1	21
11	Miami	44	8	36	7	0	7	37	8	29
12	Sarasota	34	20	14	4	0	4	30	20	10
13	Tampa	32	14	18	6	1	5	26	13	13
14	Panama City	13	5	8	1	0	1	12	5	7
15	West Palm Bch	70	10	60	6	0	6	64	10	54
16	Florida Keys	4	2	2	0	0	0	4	2	2
17	Ft. Lauderdale	136	59	77	11	0	11	125	59	66
18	Melbourne	33	10	23	3	0	3	30	10	20
19	Ft. Pierce	55	1	54	9	1	8	46	0	46
20	Naples	9	0	9	0	0	0	9	0	9
21	Ft. Myers	45	14	31	4	0	4	41	14	27
22	Port Charlotte	10	0	10	1	0	1	9	0	9
23	St. Augustine	8	4	4	0	0	0	8	4	4
24	Sanford	10	0	10	1	0	1	9	0	9
<b>Statewide Totals</b>		<b>914</b>	<b>205</b>	<b>709</b>	<b>65</b>	<b>2</b>	<b>63</b>	<b>849</b>	<b>203</b>	<b>646</b>

Table 6

## Diazepam Deaths by Age January – December 2008

Medical Examiner District and Area of Florida		
District	Area of Florida	Total
1	Pensacola	24
2	Tallahassee	5
3	Live Oak	9
4	Jacksonville	74
5	Leesburg	28
6	St. Petersburg	145
7	Daytona Beach	28
8	Gainesville	23
9	Orlando	53
10	Lakeland	22
11	Miami	44
12	Sarasota	34
13	Tampa	32
14	Panama City	13
15	West Palm Bch	70
16	Florida Keys	4
17	Ft. Lauderdale	136
18	Melbourne	33
19	Ft. Pierce	55
20	Naples	9
21	Ft. Myers	45
22	Port Charlotte	10
23	St. Augustine	8
24	Sanford	10
<b>Statewide Totals</b>		<b>914</b>

Deaths Caused by Diazepam (Lethal)						
Age of Decedent						
Total	< 18	18-25	26-34	35-50	>50	
5	0	1	1	3	0	
0	0	0	0	0	0	
4	0	0	2	1	1	
19	0	0	1	12	6	
10	0	3	2	3	2	
7	0	0	3	3	1	
0	0	0	0	0	0	
7	0	2	2	1	2	
5	0	0	1	4	0	
1	0	0	0	0	1	
8	0	3	1	2	2	
20	0	2	4	7	7	
14	0	1	0	5	8	
5	0	1	1	3	0	
10	0	1	0	2	7	
2	0	0	0	1	1	
59	0	3	11	23	22	
10	0	0	4	3	3	
1	0	0	0	1	0	
0	0	0	0	0	0	
14	0	1	0	10	3	
0	0	0	0	0	0	
4	0	0	0	2	2	
0	0	0	0	0	0	
<b>205</b>	<b>0</b>	<b>18</b>	<b>33</b>	<b>86</b>	<b>68</b>	

Diazepam Present (Non-Lethal)						
Age of Decedent						
Total	<18	18-25	26-34	35-50	>50	
19	0	3	2	9	5	
5	0	1	1	2	1	
5	0	0	0	1	4	
55	1	3	6	28	17	
18	0	2	3	6	7	
138	2	14	21	53	48	
28	0	2	5	9	12	
16	1	0	1	7	7	
48	0	7	0	17	24	
21	1	1	1	9	9	
36	0	0	0	16	20	
14	0	0	2	3	9	
18	0	0	0	8	10	
8	0	0	2	3	3	
60	0	5	5	22	28	
2	0	0	0	0	2	
77	0	2	8	32	35	
23	0	0	4	6	13	
54	0	4	3	30	17	
9	0	0	1	2	6	
31	0	3	0	10	18	
10	0	1	0	6	3	
4	0	2	0	0	2	
10	0	1	3	2	4	
<b>709</b>	<b>5</b>	<b>51</b>	<b>68</b>	<b>281</b>	<b>304</b>	

Table 7

## Oxycodone Deaths January – December 2008

<b>Medical Examiner District &amp; Area of Florida</b>		<b>Total Deaths with Oxycodone</b>			<b>Deaths with Oxycodone Only</b>			<b>Deaths with Oxycodone in Combination with Other Drugs</b>		
District	Area of Florida	Total	Cause	Present	Total	Cause	Present	Total	Cause	Present
1	Pensacola	18	8	10	2	0	2	16	8	8
2	Tallahassee	4	2	2	1	0	1	3	2	1
3	Live Oak	8	2	6	1	0	1	7	2	5
4	Jacksonville	79	42	37	7	0	7	72	42	30
5	Leesburg	46	31	15	5	3	2	41	28	13
6	St. Petersburg	308	209	99	17	8	9	291	201	90
7	Daytona Beach	51	22	29	4	2	2	47	20	27
8	Gainesville	21	11	10	1	0	1	20	11	9
9	Orlando	102	43	59	9	1	8	93	42	51
10	Lakeland	44	5	39	1	0	1	43	5	38
11	Miami	46	26	20	9	1	8	37	25	12
12	Sarasota	54	37	17	10	6	4	44	31	13
13	Tampa	128	101	27	14	9	5	114	92	22
14	Panama City	14	8	6	0	0	0	14	8	6
15	West Palm Bch	165	112	53	12	4	8	153	108	45
16	Florida Keys	8	3	5	0	0	0	8	3	5
17	Ft. Lauderdale	171	109	62	12	3	9	159	106	53
18	Melbourne	91	49	42	11	4	7	80	45	35
19	Ft. Pierce	71	41	30	9	2	7	62	39	23
20	Naples	24	9	15	3	3	0	21	6	15
21	Ft. Myers	53	29	24	5	1	4	48	28	20
22	Port Charlotte	19	10	9	5	2	3	14	8	6
23	St. Augustine	16	13	3	2	0	2	14	13	1
24	Sanford	33	19	14	3	2	1	30	17	13
<b>Statewide Totals</b>		<b>1,574</b>	<b>941</b>	<b>633</b>	<b>143</b>	<b>51</b>	<b>92</b>	<b>1,431</b>	<b>890</b>	<b>541</b>

Table 8

## Oxycodone Deaths by Age January – December 2008

Medical Examiner District and Area of Florida		
District	Area of Florida	Total
1	Pensacola	18
2	Tallahassee	4
3	Live Oak	8
4	Jacksonville	79
5	Leesburg	46
6	St. Petersburg	308
7	Daytona Beach	51
8	Gainesville	21
9	Orlando	102
10	Lakeland	44
11	Miami	46
12	Sarasota	54
13	Tampa	128
14	Panama City	14
15	West Palm Bch	165
16	Florida Keys	8
17	Ft. Lauderdale	171
18	Melbourne	91
19	Ft. Pierce	71
20	Naples	24
21	Ft. Myers	53
22	Port Charlotte	19
23	St. Augustine	16
24	Sanford	33
<b>Statewide Totals</b>		<b>1,574</b>

Deaths Caused by Oxycodone (Lethal)						
Age of Decedent						
Total	< 18	18-25	26-34	35-50	>50	
8	0	1	3	1	3	
2	0	0	1	1	0	
2	0	1	0	0	1	
42	0	4	9	22	7	
31	2	9	7	12	1	
209	5	35	48	90	31	
22	0	3	3	11	5	
11	0	2	3	1	5	
43	1	7	6	21	8	
5	0	0	1	2	2	
26	0	1	2	19	4	
37	1	7	6	15	8	
101	1	15	23	44	18	
8	0	1	3	4	0	
112	1	24	20	41	26	
3	0	0	1	1	1	
109	0	13	18	45	33	
49	0	6	8	22	13	
41	0	7	4	25	5	
9	0	0	0	5	4	
29	0	8	3	13	5	
10	1	0	2	6	1	
13	0	2	4	5	2	
19	0	4	4	7	4	
<b>941</b>	<b>12</b>	<b>150</b>	<b>179</b>	<b>413</b>	<b>187</b>	

Oxycodone Present (Non-Lethal)						
Age of Decedent						
Total	<18	18-25	26-34	35-50	>50	
10	0	0	0	4	6	
2	0	0	0	1	1	
6	0	1	0	2	3	
37	0	7	4	15	11	
15	1	0	2	8	4	
99	0	18	24	26	31	
29	0	4	5	13	7	
10	0	1	0	3	6	
59	0	7	7	18	27	
39	0	3	5	16	15	
20	0	1	1	4	14	
17	0	0	3	9	5	
27	1	2	3	9	12	
6	0	1	1	2	2	
53	1	8	7	21	16	
5	0	0	0	3	2	
62	1	6	9	26	20	
42	0	7	8	12	15	
30	1	5	1	9	14	
15	1	1	3	7	3	
24	0	3	0	10	11	
9	1	0	3	1	4	
3	0	1	0	0	2	
14	0	2	2	6	4	
<b>633</b>	<b>7</b>	<b>78</b>	<b>88</b>	<b>225</b>	<b>235</b>	

Table 9

## Hydrocodone Deaths January – December 2008

<b>Medical Examiner District &amp; Area of Florida</b>		<b>Total Deaths with Hydrocodone</b>			<b>Deaths with Hydrocodone Only</b>			<b>Deaths with Hydrocodone in Combination with Other Drugs</b>		
District	Area of Florida	Total	Cause	Present	Total	Cause	Present	Total	Cause	Present
1	Pensacola	44	11	33	6	0	6	38	11	27
2	Tallahassee	16	1	15	2	0	2	14	1	13
3	Live Oak	18	8	10	0	0	0	18	8	10
4	Jacksonville	119	36	83	5	0	5	114	36	78
5	Leesburg	34	11	23	7	1	6	27	10	17
6	St. Petersburg	112	43	69	6	3	3	106	40	66
7	Daytona Beach	45	10	35	5	1	4	40	9	31
8	Gainesville	21	3	18	4	0	4	17	3	14
9	Orlando	74	17	57	13	1	12	61	16	45
10	Lakeland	30	3	27	1	0	1	29	3	26
11	Miami	17	6	11	4	0	4	13	6	7
12	Sarasota	27	9	18	2	0	2	25	9	16
13	Tampa	50	28	22	13	6	7	37	22	15
14	Panama City	23	9	14	3	1	2	20	8	12
15	West Palm Bch	51	20	31	7	1	6	44	19	25
16	Florida Keys	6	2	4	0	0	0	6	2	4
17	Ft. Lauderdale	42	22	20	5	2	3	37	20	17
18	Melbourne	41	14	27	5	0	5	36	14	22
19	Ft. Pierce	30	7	23	8	0	8	22	7	15
20	Naples	7	0	7	0	0	0	7	0	7
21	Ft. Myers	29	6	23	5	1	4	24	5	19
22	Port Charlotte	10	1	9	2	0	2	8	1	7
23	St. Augustine	12	3	9	2	0	2	10	3	7
24	Sanford	12	0	12	2	0	2	10	0	10
<b>Statewide Totals</b>		<b>870</b>	<b>270</b>	<b>600</b>	<b>107</b>	<b>17</b>	<b>90</b>	<b>763</b>	<b>253</b>	<b>510</b>

Table 10

## Hydrocodone Deaths by Age January – December 2008

Medical Examiner District and Area of Florida		
District	Area of Florida	Total
1	Pensacola	44
2	Tallahassee	16
3	Live Oak	18
4	Jacksonville	119
5	Leesburg	34
6	St. Petersburg	112
7	Daytona Beach	45
8	Gainesville	21
9	Orlando	74
10	Lakeland	30
11	Miami	17
12	Sarasota	27
13	Tampa	50
14	Panama City	23
15	West Palm Bch	51
16	Florida Keys	6
17	Ft. Lauderdale	42
18	Melbourne	41
19	Ft. Pierce	30
20	Naples	7
21	Ft. Myers	29
22	Port Charlotte	10
23	St. Augustine	12
24	Sanford	12
<b>Statewide Totals</b>		<b>870</b>

Deaths Caused by Hydrocodone (Lethal)						
Age of Decedent						
Total	< 18	18-25	26-34	35-50	>50	
11	0	0	3	6	2	
1	0	0	0	1	0	
8	0	2	2	2	2	
36	1	1	8	17	9	
11	0	0	3	5	3	
43	0	2	4	24	13	
10	1	1	0	6	2	
3	0	1	0	1	1	
17	1	1	7	6	2	
3	0	1	0	1	1	
6	1	0	1	2	2	
9	0	0	0	4	5	
28	0	0	3	15	10	
9	0	0	1	5	3	
20	0	1	3	9	7	
2	0	0	1	1	0	
22	0	0	1	11	10	
14	0	0	4	5	5	
7	0	0	0	5	2	
0	0	0	0	0	0	
6	0	1	0	4	1	
1	0	0	0	1	0	
3	0	0	0	1	2	
0	0	0	0	0	0	
<b>270</b>	<b>4</b>	<b>11</b>	<b>41</b>	<b>132</b>	<b>82</b>	

Hydrocodone Present (Non-Lethal)						
Age of Decedent						
Total	<18	18-25	26-34	35-50	>50	
33	0	3	3	16	11	
15	0	0	2	7	6	
10	0	2	1	0	7	
83	0	6	14	36	27	
23	1	1	2	9	10	
69	2	7	14	25	21	
35	0	2	3	16	14	
18	0	0	3	4	11	
57	2	4	6	19	26	
27	0	0	4	10	13	
11	0	0	2	2	7	
18	0	2	1	6	9	
22	1	1	2	9	9	
14	0	1	2	6	5	
31	0	1	2	14	14	
4	0	0	1	2	1	
20	0	2	0	8	10	
27	0	0	2	11	14	
23	0	0	3	10	10	
7	0	1	0	6	0	
23	0	1	2	9	11	
9	0	0	0	4	5	
9	0	0	3	5	1	
12	0	3	1	3	5	
<b>600</b>	<b>6</b>	<b>37</b>	<b>73</b>	<b>237</b>	<b>247</b>	

Table 11

## Methadone Deaths January – December 2008

<b>Medical Examiner District &amp; Area of Florida</b>		<b>Total Deaths with Methadone</b>			<b>Deaths with Methadone Only</b>			<b>Deaths with Methadone in Combination with Other Drugs</b>		
District	Area of Florida	Total	Cause	Present	Total	Cause	Present	Total	Cause	Present
1	Pensacola	44	31	13	2	1	1	42	30	12
2	Tallahassee	10	5	5	0	0	0	10	5	5
3	Live Oak	8	8	0	0	0	0	8	8	0
4	Jacksonville	97	68	29	5	5	0	92	63	29
5	Leesburg	62	52	10	13	13	0	49	39	10
6	St. Petersburg	118	90	28	8	4	4	110	86	24
7	Daytona Beach	26	15	11	0	0	0	26	15	11
8	Gainesville	32	23	9	5	1	4	27	22	5
9	Orlando	43	27	16	6	1	5	37	26	11
10	Lakeland	22	11	11	3	3	0	19	8	11
11	Miami	10	8	2	1	1	0	9	7	2
12	Sarasota	55	46	9	8	6	2	47	40	7
13	Tampa	86	72	14	16	9	7	70	63	7
14	Panama City	20	14	6	5	4	1	15	10	5
15	West Palm Bch	79	66	13	5	4	1	74	62	12
16	Florida Keys	5	2	3	0	0	0	5	2	3
17	Ft. Lauderdale	47	35	12	10	7	3	37	28	9
18	Melbourne	56	45	11	2	0	2	54	45	9
19	Ft. Pierce	42	28	14	2	1	1	40	27	13
20	Naples	30	22	8	3	3	0	27	19	8
21	Ft. Myers	19	11	8	0	0	0	19	11	8
22	Port Charlotte	9	3	6	0	0	0	9	3	6
23	St. Augustine	9	7	2	2	1	1	7	6	1
24	Sanford	7	4	3	1	1	0	6	3	3
<b>Statewide Totals</b>		<b>936</b>	<b>693</b>	<b>243</b>	<b>97</b>	<b>65</b>	<b>32</b>	<b>839</b>	<b>628</b>	<b>211</b>

Table 12

## Methadone Deaths by Age January – December 2008

Medical Examiner District and Area of Florida			Deaths Caused by Methadone (Lethal)						Methadone Present (Non-Lethal)					
District	Area of Florida	Total	Age of Decedent						Age of Decedent					
			Total	< 18	18-25	26-34	35-50	>50	Total	<18	18-25	26-34	35-50	>50
1	Pensacola	44	31	0	11	7	7	6	13	0	2	2	6	3
2	Tallahassee	10	5	0	2	1	1	1	5	0	1	3	0	1
3	Live Oak	8	8	0	3	3	1	1	0	0	0	0	0	0
4	Jacksonville	97	68	2	9	8	33	16	29	0	3	4	8	14
5	Leesburg	62	52	2	12	16	15	7	10	0	2	2	5	1
6	St. Petersburg	118	90	1	16	21	30	22	28	2	4	4	11	7
7	Daytona Beach	26	15	0	4	5	5	1	11	0	3	2	4	2
8	Gainesville	32	23	1	4	5	7	6	9	0	2	3	2	2
9	Orlando	43	27	2	8	7	7	3	16	0	4	2	6	4
10	Lakeland	22	11	0	3	1	3	4	11	0	1	1	8	1
11	Miami	10	8	0	2	0	3	3	2	0	0	0	1	1
12	Sarasota	55	46	3	13	10	12	8	9	0	2	0	1	6
13	Tampa	86	72	2	12	20	25	13	14	0	1	2	3	8
14	Panama City	20	14	0	4	2	7	1	6	0	1	0	3	2
15	West Palm Bch	79	66	0	13	21	26	6	13	0	1	4	4	4
16	Florida Keys	5	2	0	0	0	2	0	3	0	0	1	1	1
17	Ft. Lauderdale	47	35	0	1	7	16	11	12	0	1	2	7	2
18	Melbourne	56	45	0	8	14	17	6	11	0	1	1	3	6
19	Ft. Pierce	42	28	0	4	4	16	4	14	0	2	0	8	4
20	Naples	30	22	0	2	5	9	6	8	0	2	1	3	2
21	Ft. Myers	19	11	0	6	2	2	1	8	0	2	1	3	2
22	Port Charlotte	9	3	0	0	1	1	1	6	0	0	1	2	3
23	St. Augustine	9	7	0	0	3	2	2	2	0	1	0	1	0
24	Sanford	7	4	0	0	0	4	0	3	0	1	1	0	1
<b>Statewide Totals</b>		<b>936</b>	<b>693</b>	<b>13</b>	<b>137</b>	<b>163</b>	<b>251</b>	<b>129</b>	<b>243</b>	<b>2</b>	<b>37</b>	<b>37</b>	<b>90</b>	<b>77</b>

Table 13

## Morphine Deaths January – December 2008

<b>Medical Examiner District &amp; Area of Florida</b>		<b>Total Deaths with Morphine</b>			<b>Deaths with Morphine Only</b>			<b>Deaths with Morphine in Combination with Other Drugs</b>		
District	Area of Florida	Total	Cause	Present	Total	Cause	Present	Total	Cause	Present
1	Pensacola	17	8	9	2	1	1	15	7	8
2	Tallahassee	15	4	11	5	0	5	10	4	6
3	Live Oak	3	2	1	0	0	0	3	2	1
4	Jacksonville	43	23	20	3	0	3	40	23	17
5	Leesburg	20	16	4	5	3	2	15	13	2
6	St. Petersburg	49	30	19	0	0	0	49	30	19
7	Daytona Beach	17	5	12	0	0	0	17	5	12
8	Gainesville	34	6	28	13	0	13	21	6	15
9	Orlando	74	24	50	13	2	11	61	22	39
10	Lakeland	38	4	34	7	1	6	31	3	28
11	Miami	40	12	28	10	0	10	30	12	18
12	Sarasota	21	13	8	7	3	4	14	10	4
13	Tampa	53	32	21	14	4	10	39	28	11
14	Panama City	6	4	2	1	1	0	5	3	2
15	West Palm Bch	53	32	21	7	3	4	46	29	17
16	Florida Keys	3	2	1	1	0	1	2	2	0
17	Ft. Lauderdale	60	28	32	9	2	7	51	26	25
18	Melbourne	27	17	10	7	1	6	20	16	4
19	Ft. Pierce	24	14	10	0	0	0	24	14	10
20	Naples	9	5	4	2	1	1	7	4	3
21	Ft. Myers	33	13	20	3	0	3	30	13	17
22	Port Charlotte	11	0	11	4	0	4	7	0	7
23	St. Augustine	4	4	0	0	0	0	4	4	0
24	Sanford	6	2	4	1	0	1	5	2	3
<b>Statewide Totals</b>		<b>660</b>	<b>300</b>	<b>360</b>	<b>114</b>	<b>22</b>	<b>92</b>	<b>546</b>	<b>278</b>	<b>268</b>

Table 14

## Morphine Deaths by Age January – December 2008

Medical Examiner District and Area of Florida		
District	Area of Florida	Total
1	Pensacola	17
2	Tallahassee	15
3	Live Oak	3
4	Jacksonville	43
5	Leesburg	20
6	St. Petersburg	49
7	Daytona Beach	17
8	Gainesville	34
9	Orlando	74
10	Lakeland	38
11	Miami	40
12	Sarasota	21
13	Tampa	53
14	Panama City	6
15	West Palm Bch	53
16	Florida Keys	3
17	Ft. Lauderdale	60
18	Melbourne	27
19	Ft. Pierce	24
20	Naples	9
21	Ft. Myers	33
22	Port Charlotte	11
23	St. Augustine	4
24	Sanford	6
<b>Statewide Totals</b>		<b>660</b>

Deaths Caused by Morphine (Lethal)					
Age of Decedent					
Total	< 18	18-25	26-34	35-50	>50
8	0	0	2	2	4
4	0	1	1	1	1
2	0	0	0	2	0
23	0	0	4	11	8
16	0	0	5	8	3
30	0	0	0	18	12
5	0	1	0	4	0
6	0	0	2	2	2
24	0	2	5	11	6
4	0	1	0	2	1
12	1	1	2	4	4
13	0	1	1	6	5
32	1	2	4	10	15
4	0	1	0	1	2
32	0	3	5	15	9
2	0	1	0	0	1
28	0	1	2	13	12
17	0	0	2	7	8
14	0	0	3	5	6
5	0	0	1	1	3
13	0	1	2	7	3
0	0	0	0	0	0
4	0	2	1	0	1
2	0	1	0	0	1
<b>300</b>	<b>2</b>	<b>19</b>	<b>42</b>	<b>130</b>	<b>107</b>

Morphine Present (Non-Lethal)					
Age of Decedent					
Total	<18	18-25	26-34	35-50	>50
9	0	1	1	4	3
11	2	2	2	3	2
1	0	0	0	0	1
20	0	1	4	5	10
4	0	0	0	1	3
19	1	1	0	8	9
12	0	1	2	4	5
28	1	2	0	6	19
50	2	4	6	9	29
34	1	2	3	10	18
28	0	1	5	8	14
8	0	2	0	2	4
21	0	0	2	6	13
2	0	2	0	0	0
21	0	1	3	7	10
1	0	0	0	0	1
32	0	1	4	14	13
10	0	0	0	2	8
10	0	0	0	3	7
4	0	0	0	1	3
20	0	6	1	6	7
11	0	0	2	4	5
0	0	0	0	0	0
4	0	0	0	3	1
<b>360</b>	<b>7</b>	<b>27</b>	<b>35</b>	<b>106</b>	<b>185</b>

Table 15

## Propoxyphene Deaths January – December 2008

<b>Medical Examiner District &amp; Area of Florida</b>		<b>Total Deaths with Propoxyphene</b>			<b>Deaths with Propoxyphene Only</b>			<b>Deaths with Propoxyphene in Combination with Other Drugs</b>		
District	Area of Florida	Total	Cause	Present	Total	Cause	Present	Total	Cause	Present
1	Pensacola	10	2	8	2	0	2	8	2	6
2	Tallahassee	4	1	3	0	0	0	4	1	3
3	Live Oak	1	0	1	0	0	0	1	0	1
4	Jacksonville	25	8	17	2	1	1	23	7	16
5	Leesburg	19	4	15	5	0	5	14	4	10
6	St. Petersburg	44	6	38	9	1	8	35	5	30
7	Daytona Beach	21	3	18	3	0	3	18	3	15
8	Gainesville	8	1	7	2	0	2	6	1	5
9	Orlando	26	6	20	2	0	2	24	6	18
10	Lakeland	23	2	21	0	0	0	23	2	21
11	Miami	11	4	7	3	0	3	8	4	4
12	Sarasota	8	4	4	2	1	1	6	3	3
13	Tampa	20	6	14	8	1	7	12	5	7
14	Panama City	12	5	7	2	0	2	10	5	5
15	West Palm Bch	13	5	8	2	1	1	11	4	7
16	Florida Keys	1	0	1	0	0	0	1	0	1
17	Ft. Lauderdale	22	11	11	2	0	2	20	11	9
18	Melbourne	20	4	16	5	0	5	15	4	11
19	Ft. Pierce	12	2	10	2	0	2	10	2	8
20	Naples	1	1	0	0	0	0	1	1	0
21	Ft. Myers	11	2	9	2	0	2	9	2	7
22	Port Charlotte	1	0	1	0	0	0	1	0	1
23	St. Augustine	3	2	1	1	1	0	2	1	1
24	Sanford	6	1	5	1	0	1	5	1	4
<b>Statewide Totals</b>		<b>322</b>	<b>80</b>	<b>242</b>	<b>55</b>	<b>6</b>	<b>49</b>	<b>267</b>	<b>74</b>	<b>193</b>

Table 16

## Propoxyphene Deaths by Age January – December 2008

Medical Examiner District and Area of Florida		
District	Area of Florida	Total
1	Pensacola	10
2	Tallahassee	4
3	Live Oak	1
4	Jacksonville	25
5	Leesburg	19
6	St. Petersburg	44
7	Daytona Beach	21
8	Gainesville	8
9	Orlando	26
10	Lakeland	23
11	Miami	11
12	Sarasota	8
13	Tampa	20
14	Panama City	12
15	West Palm Bch	13
16	Florida Keys	1
17	Ft. Lauderdale	22
18	Melbourne	20
19	Ft. Pierce	12
20	Naples	1
21	Ft. Myers	11
22	Port Charlotte	1
23	St. Augustine	3
24	Sanford	6
<b>Statewide Totals</b>		<b>322</b>

Deaths Caused by Propoxyphene (Lethal)					
Age of Decedent					
Total	< 18	18-25	26-34	35-50	>50
2	0	0	0	1	1
1	0	0	0	1	0
0	0	0	0	0	0
8	0	1	1	4	2
4	0	1	0	0	3
6	0	0	0	3	3
3	0	0	1	2	0
1	0	0	0	0	1
6	0	1	0	3	2
2	0	0	0	1	1
4	0	0	1	3	0
4	0	0	0	2	2
6	0	1	1	3	1
5	0	2	0	3	0
5	0	0	0	0	5
0	0	0	0	0	0
11	0	1	1	5	4
4	0	0	1	0	3
2	0	0	0	0	2
1	0	0	0	1	0
2	0	1	0	1	0
0	0	0	0	0	0
2	0	0	0	2	0
1	0	0	0	0	1
<b>80</b>	<b>0</b>	<b>8</b>	<b>6</b>	<b>35</b>	<b>31</b>

Propoxyphene Present (Non-Lethal)					
Age of Decedent					
Total	<18	18-25	26-34	35-50	>50
8	0	2	0	4	2
3	0	0	0	2	1
1	0	0	0	0	1
17	0	1	2	4	10
15	0	1	1	3	10
38	0	4	5	11	18
18	0	0	4	5	9
7	0	0	0	3	4
20	0	3	3	2	12
21	0	0	2	6	13
7	0	0	1	1	5
4	0	0	0	3	1
14	0	0	0	2	12
7	0	0	2	2	3
8	0	0	2	3	3
1	0	0	0	1	0
11	0	0	2	5	4
16	0	1	2	3	10
10	0	0	0	5	5
0	0	0	0	0	0
9	0	0	1	3	5
1	0	0	0	0	1
1	0	0	0	0	1
5	0	0	1	2	2
<b>242</b>	<b>0</b>	<b>12</b>	<b>28</b>	<b>70</b>	<b>132</b>

Table 17

## Cocaine Deaths January – December 2008

<b>Medical Examiner District &amp; Area of Florida</b>		<b>Total Deaths with Cocaine</b>			<b>Deaths with Cocaine Only</b>			<b>Deaths with Cocaine in Combination with Other Drugs</b>		
District	Area of Florida	Total	Cause	Present	Total	Cause	Present	Total	Cause	Present
1	Pensacola	56	19	37	10	5	5	46	14	32
2	Tallahassee	27	12	15	5	3	2	22	9	13
3	Live Oak	13	5	8	1	0	1	12	5	7
4	Jacksonville	165	58	107	34	15	19	131	43	88
5	Leesburg	67	35	32	15	9	6	52	26	26
6	St. Petersburg	154	66	88	20	5	15	134	61	73
7	Daytona Beach	51	4	47	10	1	9	41	3	38
8	Gainesville	32	8	24	4	0	4	28	8	20
9	Orlando	179	49	130	47	12	35	132	37	95
10	Lakeland	40	15	25	13	9	4	27	6	21
11	Miami	201	55	146	85	20	65	116	35	81
12	Sarasota	75	41	34	18	8	10	57	33	24
13	Tampa	146	61	85	56	26	30	90	35	55
14	Panama City	17	3	14	5	2	3	12	1	11
15	West Palm Bch	143	61	82	20	8	12	123	53	70
16	Florida Keys	15	2	13	2	1	1	13	1	12
17	Ft. Lauderdale	146	61	85	41	12	29	105	49	56
18	Melbourne	68	36	32	7	2	5	61	34	27
19	Ft. Pierce	47	20	27	6	3	3	41	17	24
20	Naples	15	4	11	1	1	0	14	3	11
21	Ft. Myers	67	20	47	9	4	5	58	16	42
22	Port Charlotte	14	2	12	3	0	3	11	2	9
23	St. Augustine	27	8	19	10	2	8	17	6	11
24	Sanford	26	3	23	2	0	2	24	3	21
<b>Statewide Totals</b>		<b>1,791</b>	<b>648</b>	<b>1,143</b>	<b>424</b>	<b>148</b>	<b>276</b>	<b>1,367</b>	<b>500</b>	<b>867</b>

Table 18

## Cocaine Deaths by Age January – December 2008

Medical Examiner District and Area of Florida		
District	Area of Florida	Total
1	Pensacola	56
2	Tallahassee	27
3	Live Oak	13
4	Jacksonville	165
5	Leesburg	67
6	St. Petersburg	154
7	Daytona Beach	51
8	Gainesville	32
9	Orlando	179
10	Lakeland	40
11	Miami	201
12	Sarasota	75
13	Tampa	146
14	Panama City	17
15	West Palm Bch	143
16	Florida Keys	15
17	Ft. Lauderdale	146
18	Melbourne	68
19	Ft. Pierce	47
20	Naples	15
21	Ft. Myers	67
22	Port Charlotte	14
23	St. Augustine	27
24	Sanford	26
<b>Statewide Totals</b>		<b>1,791</b>

Deaths Caused by Cocaine (Lethal)						
Age of Decedent						
Total	< 18	18-25	26-34	35-50	>50	
19	0	3	2	8	6	
12	0	1	4	4	3	
5	0	2	0	3	0	
58	0	2	12	29	15	
35	0	6	9	16	4	
66	0	4	15	34	13	
4	0	0	0	2	2	
8	0	1	5	1	1	
49	0	6	13	23	7	
15	0	0	5	8	2	
55	1	6	10	26	12	
41	0	5	10	17	9	
61	0	6	10	32	13	
3	0	0	0	2	1	
61	0	9	14	29	9	
2	0	0	1	1	0	
61	0	9	8	27	17	
36	0	3	14	12	7	
20	0	6	3	11	0	
4	0	0	1	2	1	
20	0	5	2	9	4	
2	0	1	0	0	1	
8	0	1	2	3	2	
3	0	0	1	2	0	
<b>648</b>	<b>1</b>	<b>76</b>	<b>141</b>	<b>301</b>	<b>129</b>	

Cocaine Present (Non-Lethal)						
Age of Decedent						
Total	<18	18-25	26-34	35-50	>50	
37	0	7	10	14	6	
15	0	2	2	9	2	
8	0	2	2	3	1	
107	4	16	24	44	19	
32	0	5	7	13	7	
88	1	7	21	46	13	
47	0	7	10	24	6	
24	0	3	4	9	8	
130	4	27	40	45	14	
25	0	5	7	8	5	
146	1	28	30	48	39	
34	1	7	7	15	4	
85	0	10	21	41	13	
14	0	2	2	4	6	
82	2	28	14	29	9	
13	0	0	1	10	2	
85	1	7	18	44	15	
32	0	3	8	17	4	
27	0	4	4	14	5	
11	0	4	2	2	3	
47	0	15	5	19	8	
12	0	1	2	7	2	
19	0	3	3	11	2	
23	1	5	5	8	4	
<b>1,143</b>	<b>15</b>	<b>198</b>	<b>249</b>	<b>484</b>	<b>197</b>	

Chart 4

### Cocaine Deaths by Year (Lethal and Non-Lethal) 1993 – 2008

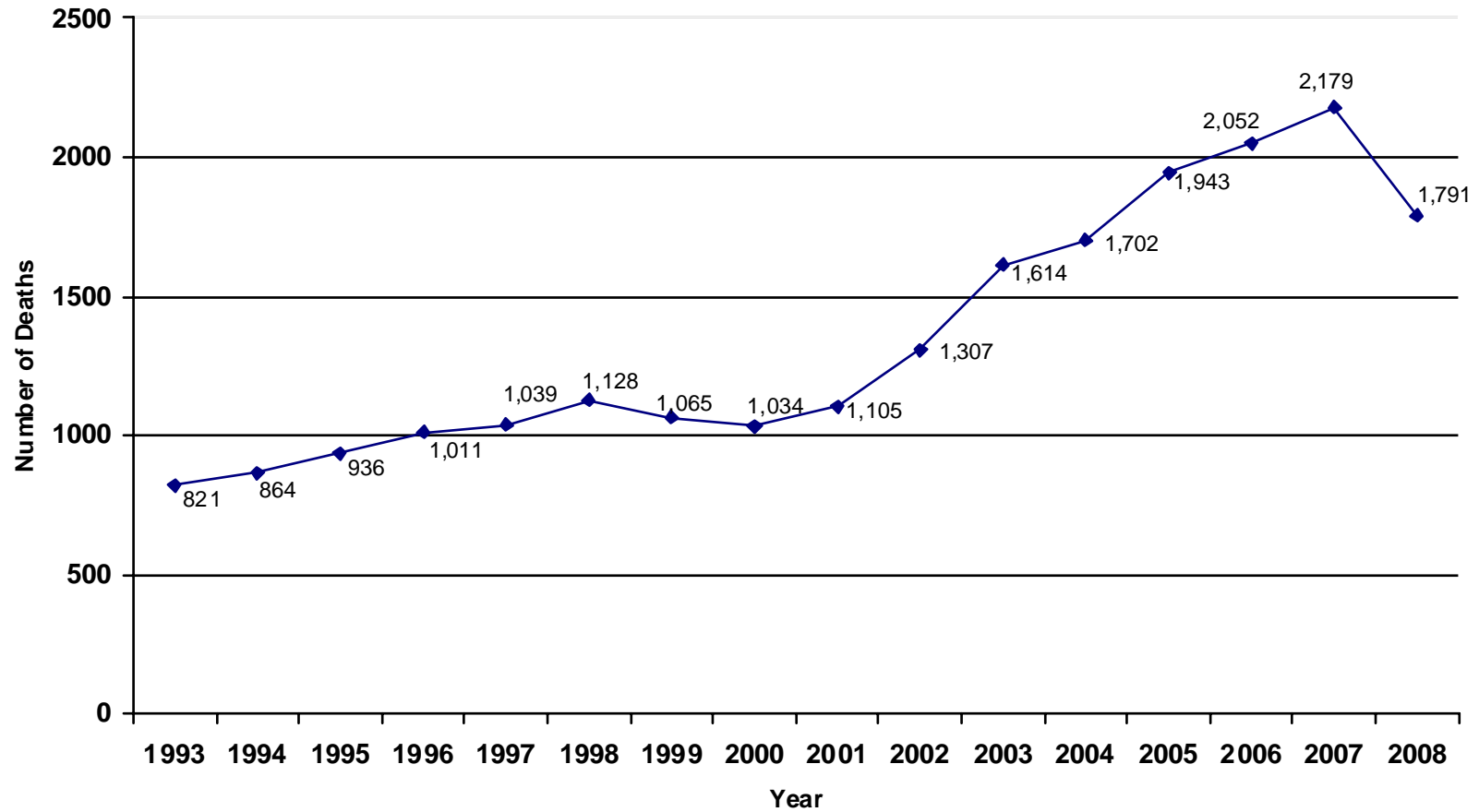


Table 19

## 15 Year Study of Cocaine-Related Deaths Reported by Medical Examiners (Lethal and Non-Lethal)

District	Area of Florida	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
1	Pensacola	12	11	24	15	18	22	23	23	37	46	59	69	78	76	56
2	Tallahassee	25	21	24	11	29	28	26	28	33	43	38	58	51	40	27
3	Live Oak	3	8	6	8	8	7	4	8	7	13	22	19	16	10	13
4	Jacksonville	60	76	71	81	86	100	101	108	148	184	205	195	246	248	165
5	Leesburg	21	25	22	27	23	19	35	38	47	56	69	60	21	45	67
6	St. Petersburg	33	55	32	41	52	58	75	81	89	116	150	138	185	173	154
7	Daytona Beach	16	21	12	31	26	8	24	37	35	42	43	77	64	84	51
8	Gainesville	14	16	18	18	19	15	17	12	15	45	43	48	47	42	32
9	Orlando	49	75	87	93	112	103	109	94	116	124	136	165	178	190	179
10	Lakeland	25	26	24	24	34	27	21	33	30	43	46	75	53	41	40
11	Miami	292	250	330	266	273	226	144	149	151	189	160	162	182	281	201
12	Sarasota	25	27	23	30	29	26	38	39	46	83	69	83	106	105	75
13	Tampa	56	65	58	83	72	80	52	56	79	81	108	115	130	158	146
14	Panama City	8	4	4	6	20	19	19	20	24	31	22	24	32	31	17
15	West Palm Bch	38	83	72	66	69	73	103	125	113	147	151	197	191	168	143
16	Florida Keys	9	9	6	11	12	20	12	14	16	11	10	18	16	27	15
17	Ft. Lauderdale	88	71	83	121	135	139	80	94	121	138	120	136	150	157	146
18	Melbourne	16	13	26	15	30	23	42	35	48	66	62	84	80	62	68
19	Ft. Pierce	24	22	22	11	22	21	37	39	33	33	43	58	45	46	47
20	Naples	5	10	9	11	8	14	15	17	23	15	21	24	34	29	15
21	Ft. Myers	23	16	32	37	20	27	35	27	55	68	84	78	96	79	67
22	Port Charlotte	0	1	0	3	4	3	6	6	5	3	10	14	14	19	14
23	St. Augustine	8	13	11	13	9	4	2	7	23	24	20	24	17	33	27
24	Sanford	14	18	15	17	18	3	14	15	13	13	11	22	20	35	26
<b>Statewide Total</b>		<b>864</b>	<b>936</b>	<b>1,011</b>	<b>1,039</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>

Table 20

## Heroin Deaths January – December 2008

<b>Medical Examiner District &amp; Area of Florida</b>		<b>Total Deaths with Heroin</b>			<b>Deaths with Heroin Only</b>			<b>Deaths with Heroin in Combination with Other Drugs</b>		
District	Area of Florida	Total	Cause	Present	Total	Cause	Present	Total	Cause	Present
1	Pensacola	1	1	0	0	0	0	1	1	0
2	Tallahassee	0	0	0	0	0	0	0	0	0
3	Live Oak	0	0	0	0	0	0	0	0	0
4	Jacksonville	3	3	0	0	0	0	3	3	0
5	Leesburg	5	5	0	1	1	0	4	4	0
6	St. Petersburg	5	3	2	0	0	0	5	3	2
7	Daytona Beach	0	0	0	0	0	0	0	0	0
8	Gainesville	0	0	0	0	0	0	0	0	0
9	Orlando	16	16	0	1	1	0	15	15	0
10	Lakeland	0	0	0	0	0	0	0	0	0
11	Miami	38	33	5	7	6	1	31	27	4
12	Sarasota	19	18	1	1	1	0	18	17	1
13	Tampa	5	5	0	1	1	0	4	4	0
14	Panama City	0	0	0	0	0	0	0	0	0
15	West Palm Bch	7	6	1	1	1	0	6	5	1
16	Florida Keys	1	1	0	0	0	0	1	1	0
17	Ft. Lauderdale	17	13	4	0	0	0	17	13	4
18	Melbourne	1	1	0	0	0	0	1	1	0
19	Ft. Pierce	3	3	0	1	1	0	2	2	0
20	Naples	1	1	0	0	0	0	1	1	0
21	Ft. Myers	7	7	0	0	0	0	7	7	0
22	Port Charlotte	0	0	0	0	0	0	0	0	0
23	St. Augustine	0	0	0	0	0	0	0	0	0
24	Sanford	3	3	0	1	1	0	2	2	0
<b>Statewide Totals</b>		<b>132</b>	<b>119</b>	<b>13</b>	<b>14</b>	<b>13</b>	<b>1</b>	<b>118</b>	<b>106</b>	<b>12</b>



Chart 5

### Deaths Caused by Heroin by Year 1996 - 2008

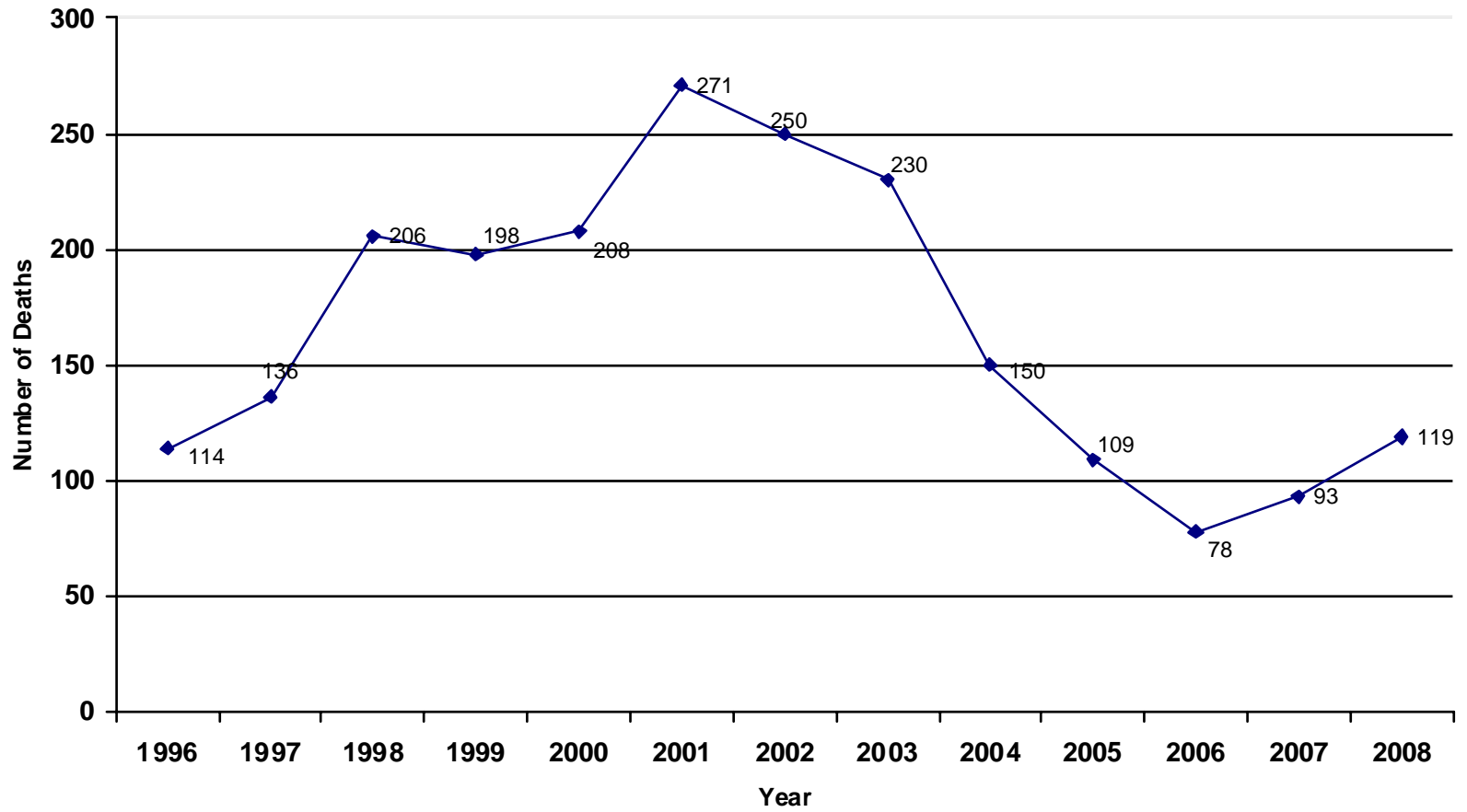


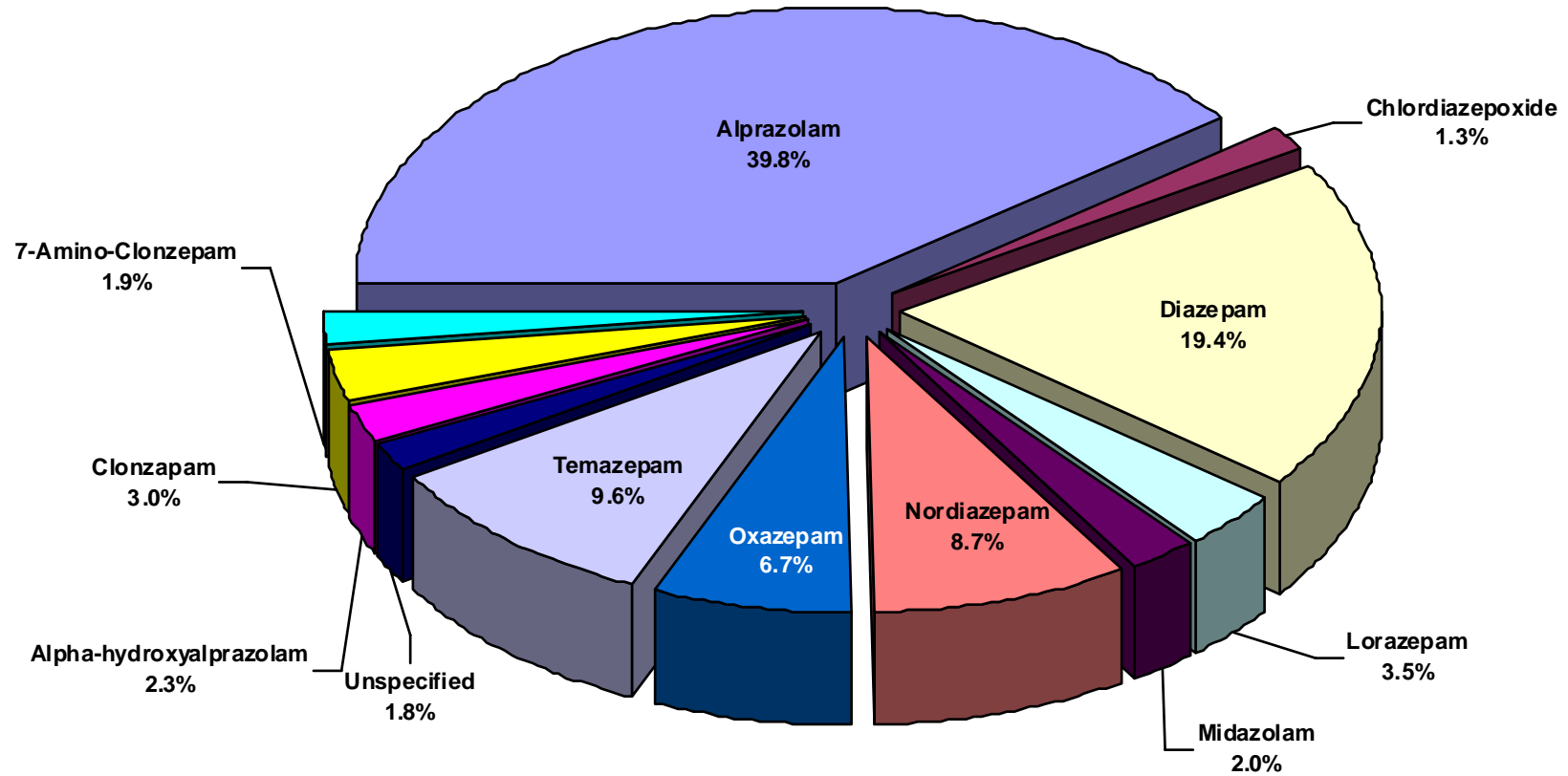
Table 22

## Historical View of Heroin Deaths (Lethal)

District	Area of Florida	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
1	Pensacola	1	0	0	0	0	1	0	0	0	0	1	0	1
2	Tallahassee	0	0	1	0	0	0	0	0	0	0	0	0	0
3	Live Oak	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Jacksonville	2	5	0	5	4	10	8	5	4	3	4	6	3
5	Leesburg	0	0	0	2	3	1	4	2	1	0	0	0	5
6	St. Petersburg	7	6	10	8	17	24	31	22	14	12	6	11	3
7	Daytona Beach	1	4	4	0	6	1	2	2	2	0	1	1	0
8	Gainesville	5	0	2	0	0	0	0	0	0	0	0	0	0
9	Orlando	30	16	36	42	30	34	22	33	20	15	7	16	16
10	Lakeland	0	0	1	3	1	0	2	0	1	2	0	0	0
11	Miami	31	52	61	48	61	32	36	28	18	19	12	19	33
12	Sarasota	0	0	0	1	7	3	3	18	14	8	14	3	18
13	Tampa	3	6	13	19	21	34	33	18	14	6	7	10	5
14	Panama City	0	0	0	0	2	0	0	0	0	0	0	1	0
15	West Palm Bch	11	11	19	12	15	57	36	27	26	17	8	10	6
16	Florida Keys	0	0	2	5	0	3	4	0	1	0	1	0	1
17	Ft. Lauderdale	14	19	37	35	17	51	38	43	22	17	11	3	13
18	Melbourne	2	4	1	6	5	6	7	8	3	2	1	1	1
19	Ft. Pierce	0	2	3	1	1	3	2	3	3	1	3	3	3
20	Naples	0	3	4	3	3	3	9	3	0	1	1	1	1
21	Ft. Myers	3	6	3	7	10	5	7	12	4	0	1	4	7
22	Port Charlotte	1	0	0	0	1	0	4	0	1	3	0	0	0
23	St. Augustine	0	0	0	0	0	0	1	0	0	0	0	0	0
24	Sanford	3	2	9	1	4	3	1	6	2	3	0	4	3
<b>Statewide Totals</b>		<b>114</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>

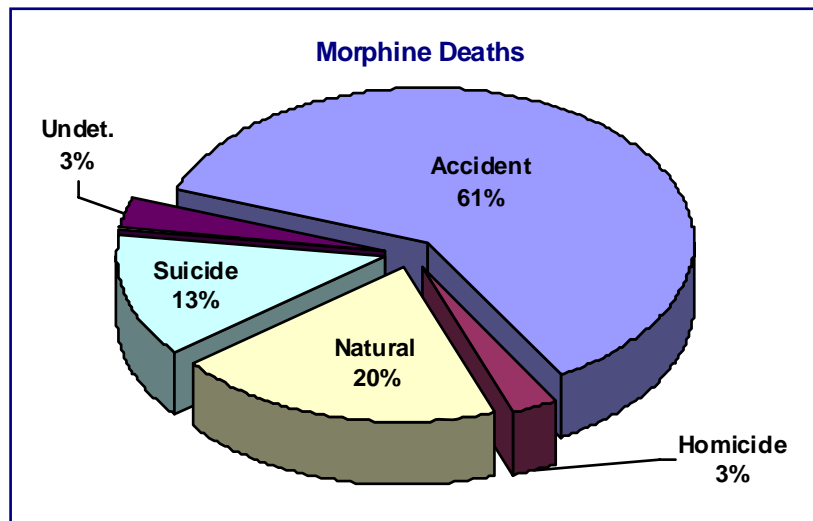
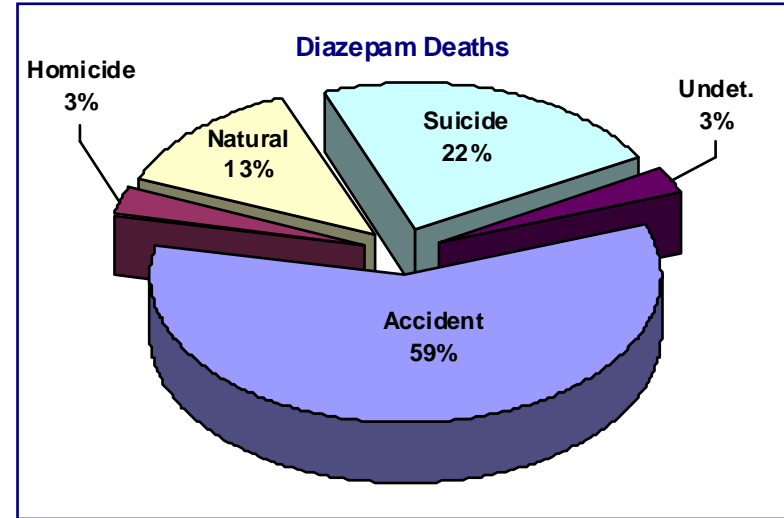
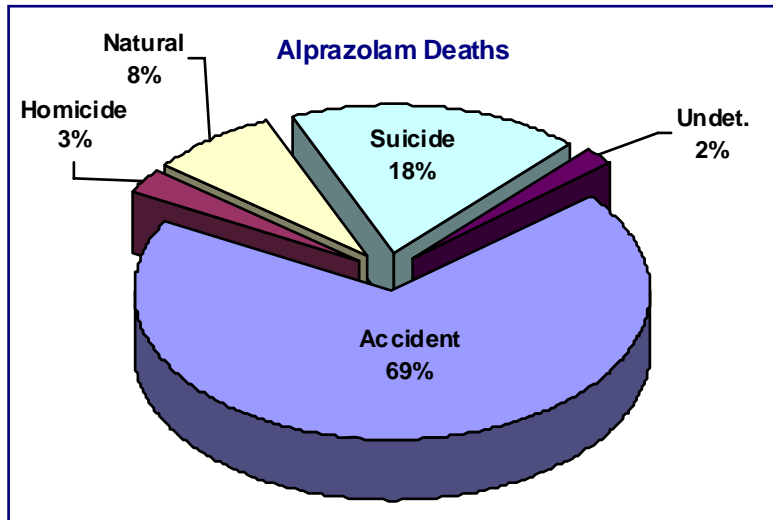
Chart 6

## Frequency of Occurrence of Benzodiazepines January – December 2008



Note: Desalkylflurazepam, estazolam, hydroxyalprazolam, flurazepam, and demoxiopam constituted less than 1% of the drug frequencies.

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



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

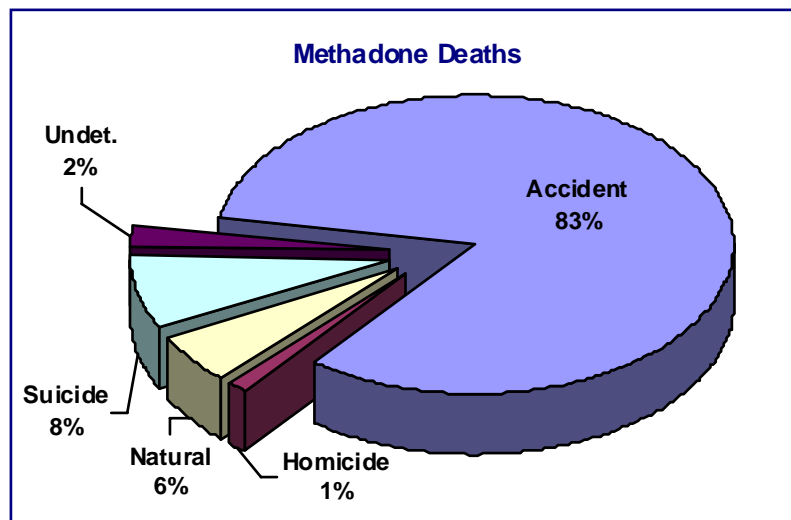
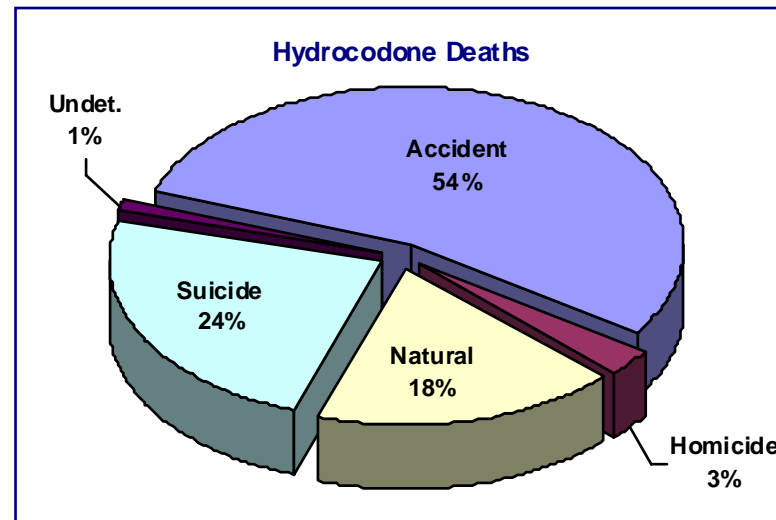
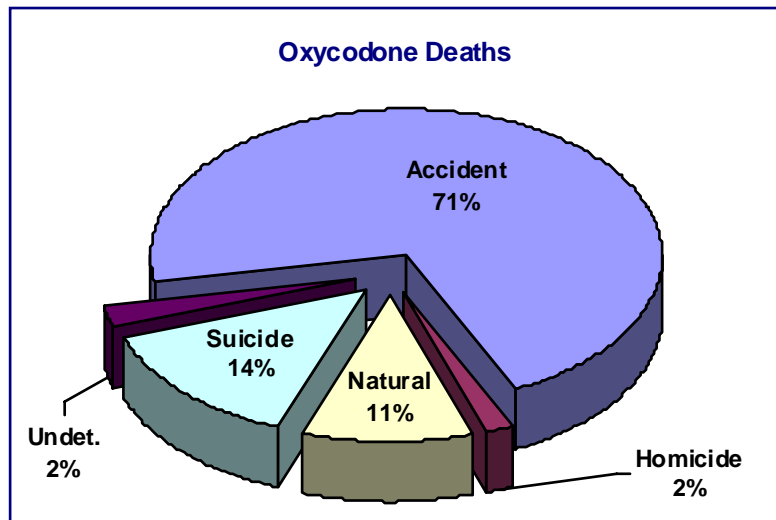
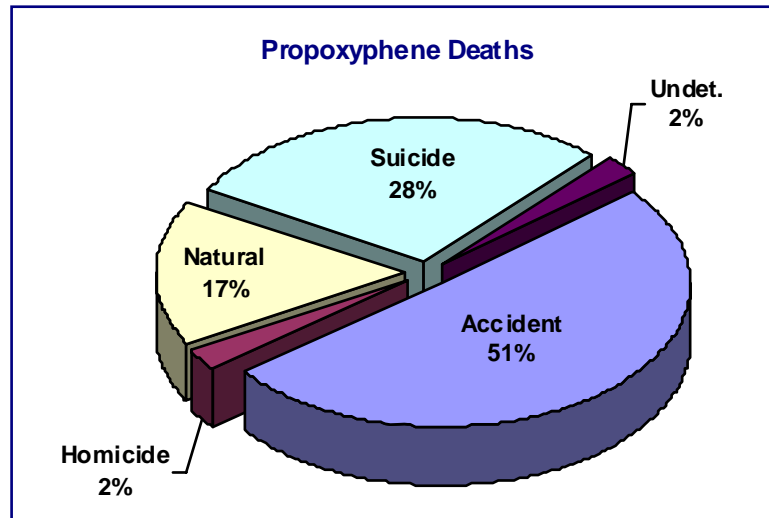
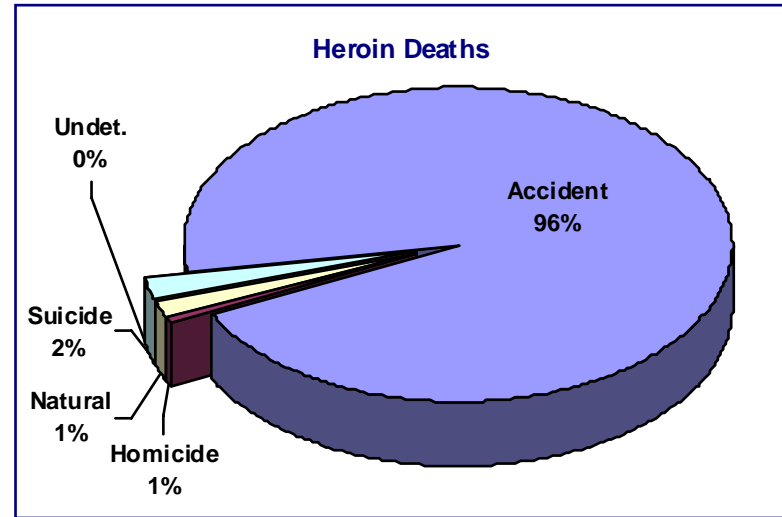
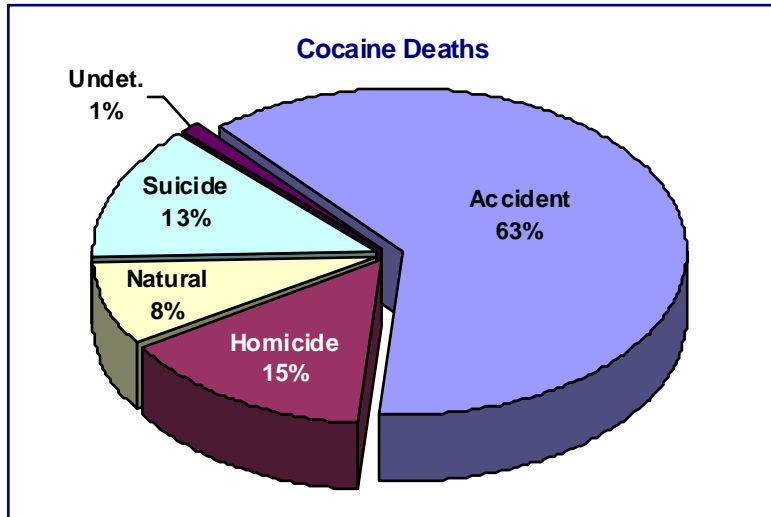


Chart 7

### Manners 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.

**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”, “refer” 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 most 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 “Mitsubishi” 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.

**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** – 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. Not currently a scheduled drug.