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.

Medical Examiners Commission Members

Bruce A. Hyma, M.D.

Chairman District Eleven Medical Examiner (305) 545-2400

Russell S. Vega, M.D.

District Twelve Medical Examiner Public Defender, Seventh Judicial Circuit

Honorable Grady C. Judd Robert J. Krauss, J.D.

Sheriff, Polk County Office of the Attorney General

Mr. Jon C. Thomas, L.F.D. Vacant

Funeral Director, Forest Meadows Funeral Home & Cemeteries State Attorney

Mr. Ken Jones Vacant

Deputy State Registrar, Department of Health **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

Bureau Chief & Staff Director Vickie Gardner (850) 410-8600

vickiegardner@fdle.state.fl.us

Government Analyst II Doug Culbertson

Honorable James S. Purdy, J.D.

(850) 410-8609

dougculbertson@fdle.state.fl.us

Government Analyst I Branch Ocampo

(850) 410-8608

branchocampo@fdle.state.fl.us

Administrative Assistant Debbie Turvaville

(850) 410-8610

debbieturvaville@fdle.state.fl.us

Table of Contents

Table or Chart	Page
Map of Florida Medical Examiner Districts	1
Summary of Drug-Related Deaths January – December 2008	2
Frequency of Occurrence of Drugs in Decedents January – December 2008	4
Drug Detected at Death: Lethal vs. Non-Lethal	5
Comparison of 2007 & 2008 Drug-Related Deaths	8
Lethal Drug Occurrences July 2007 – December 2008	10
Alprazolam Deaths	11
Alprazolam Deaths by Age	12
Diazepam Deaths	13
Diazepam Deaths by Age	14
Oxycodone Deaths	15
Oxycodone Deaths by Age	16
Hydrocodone Deaths	17
Hydrocodone Deaths by Age	18
Methadone Deaths	19
Methadone Deaths by Age	20
Morphine Deaths	21
Morphine Deaths by Age	22
Propoxyphene Deaths	23
Propoxyphene Deaths by Age	24
Cocaine Deaths	25
Cocaine Deaths by Age	26
Cocaine Deaths by Year	27
A 15 Year Study of Cocaine-Related Deaths Reported by Medical Examiners	28
Heroin Deaths	29
Heroin Deaths by Age	30
Deaths Caused by Heroin by Year	31
Historical View of Heroin Deaths	32
Frequency of Occurrence of Other Benzodiazepines January – December 2008	33
Manners of Death for Cases Reported	34
Glossary	37

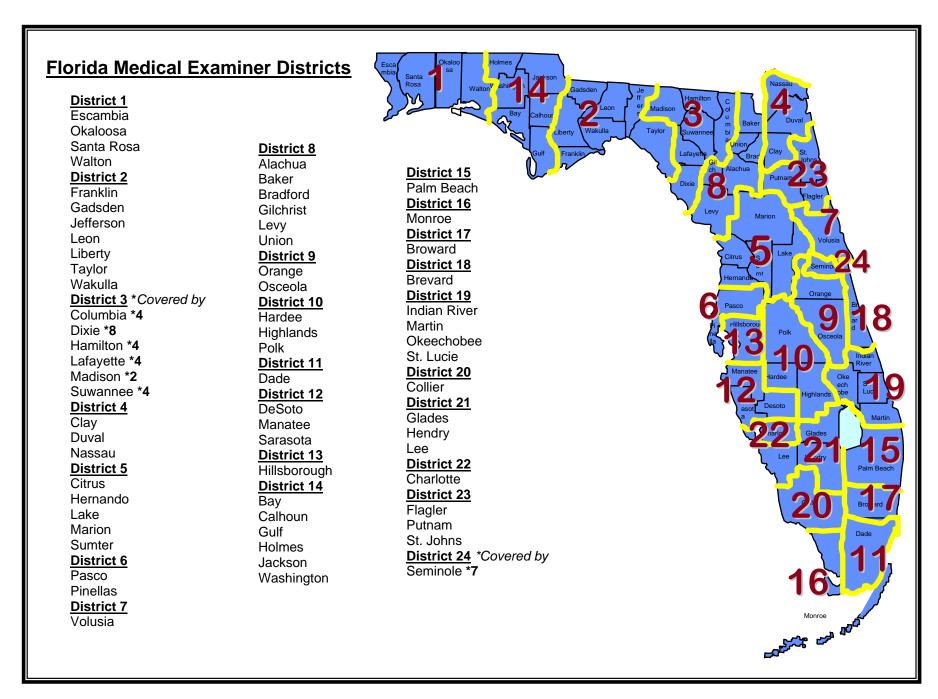


Table 1

Summary of Drug-Related Deaths January – December 2008

Drug Found in Body		Total Occurrences	Cause	Present
	Ethyl Alcohol	4,070	489	3,581
	All Methylated Amphetamine cases	207	47	160
nines	Amphetamine	67	12	55
hetan	Methamphetamine	114	26	88
I Amp	MDMA	44	7	37
Methylated Amphetamines	MDA	23	6	17
Meth	MDEA	0	0	0
	Other Methylated Amphetamines	6	0	6
	All Benzodiazepine cases	3,229	929	2,300
pines	Alprazolam	1,873	705	1,168
Benzodiazepines	Diazepam	914	205	709
Benzo	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

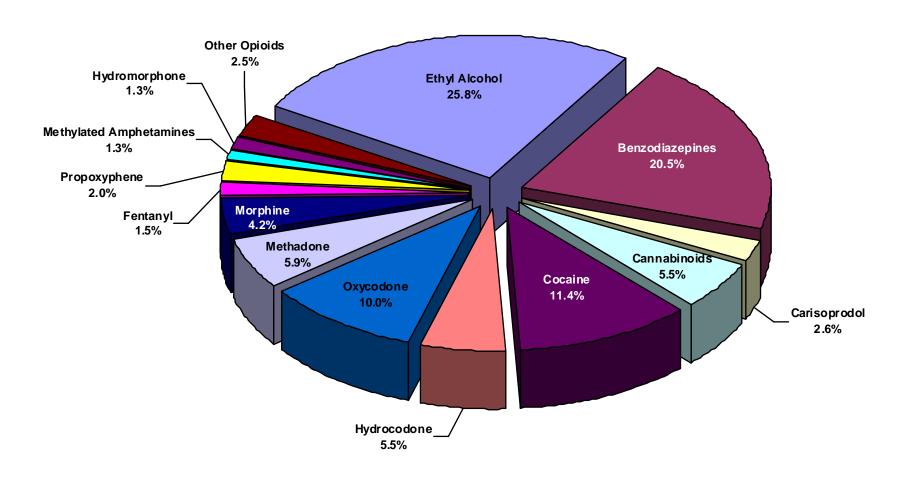
Note: Many of the deaths have several drugs contributing to the death. The count of drugs listed is greater than the number of deaths. Do not aggregate across drugs.

Table 1 **Summary of Drug-Related Deaths (continued)**

	Drug Found in Body	Total Occurrences	Cause	Present
	Freon	6	6	0
Inhalants	Nitrous Oxide (N2O)	1	1	0
Inha	Difluoroethane	14	9	5
	Other Inhalants	5	4	1
	GHB	3	1	2
	Ketamine	8	1	7
	Phencyclidine (PCP)	2	0	2
	Heroin (only illicit opioid)	132	119	13
	Fentanyl	235	104	131
	Hydrocodone	870	270	600
	Hydromorphone	199	41	158
8	Meperidine	29	4	25
Opioids	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.

Frequency of Occurrence of Drugs in Decedents January - December 2008

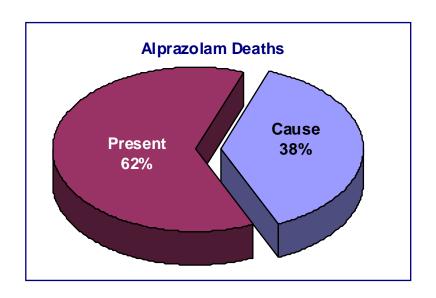


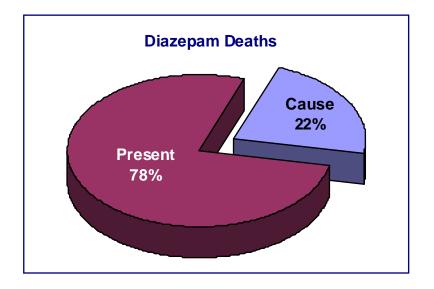
Heroin, GHB, Ketamine, Freon, Meperidine, PCP, Tramadol, and other inhalants constituted less than 1% of the drug frequencies.

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.

Chart 2

Drug Detected at Death: Lethal vs. Non-Lethal





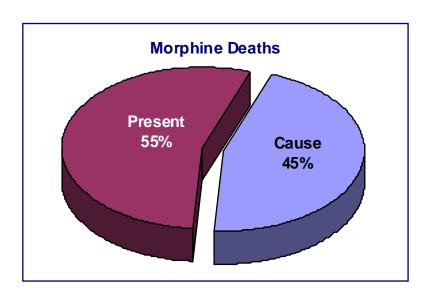
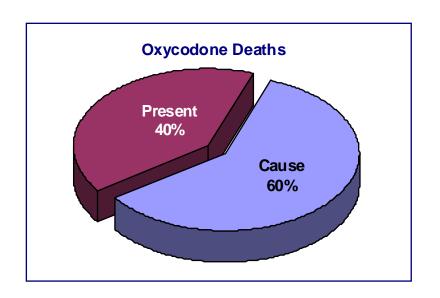
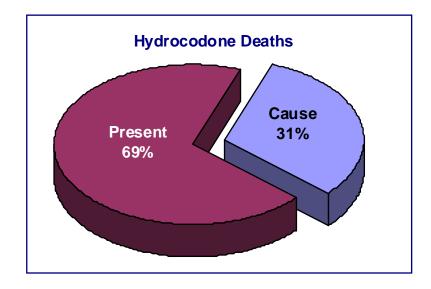


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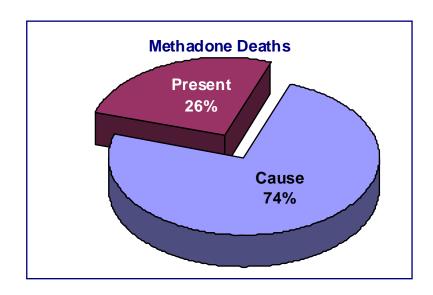
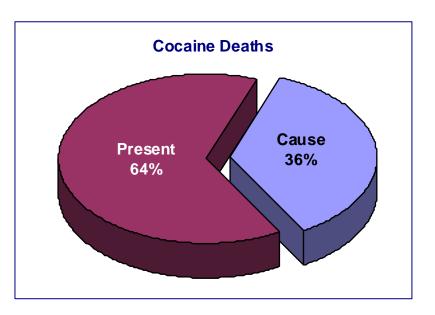
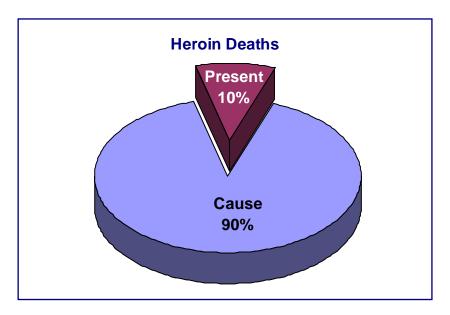


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Drug Detected at Death: Lethal vs. Non-Lethal





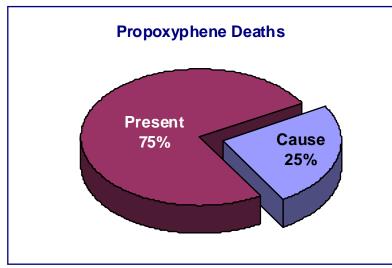


Table 2
Comparison of Drug-Related Deaths
2007 vs. 2008

	Drug Found in Body	2007	2008	Percentage Change
	Ethyl Alcohol	4,179	4,070	-2.6%
	All Methylated Amphetamine cases	201	207	3.0%
nines	Amphetamine	103	67	-35.0%
hetan	Methamphetamine	107	114	6.5%
I Amp	MDMA	76	44	-42.1%
Methylated Amphetamines	MDA	36	23	-36.1%
Meth	MDEA	1	0	*
	Other Methylated Amphetamines	2	6	*
	All Benzodiazepine cases	2,627	3,229	22.9%
Benzodiazepines	Alprazolam	1,448	1,873	29.4%
	Diazepam	767	914	19.2%
Benzo	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%

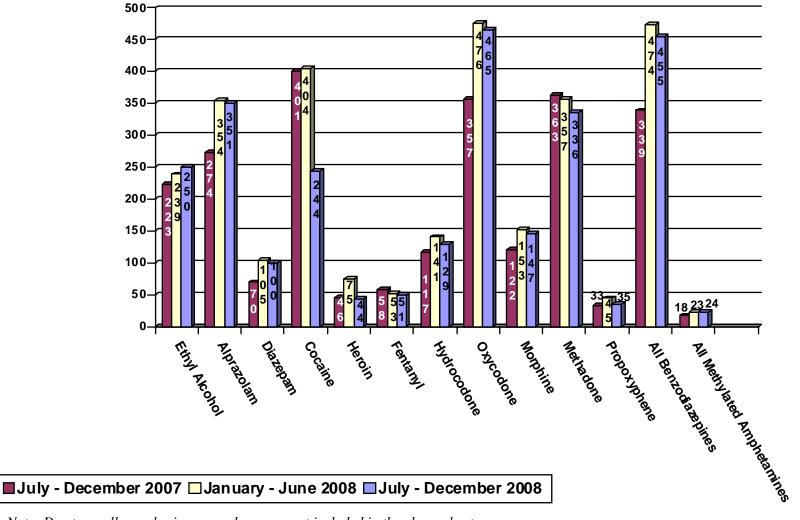
^{*} Note: Due to small sample size, percentage change was not calculated.

Table 2 **Comparison of Drug-Related Deaths (continued)**

	Drug Found in Body	2007	2008	Percentage Change
	Freon	2	6	*
lants	Nitrous Oxide (N2O)	2	1	*
Inhalants	Difluoroethane	8	14	*
	Other Inhalants	2	5	*
	GHB	5	3	*
	Ketamine	5	8	*
	Phencyclidine (PCP)	1	2	*
	Heroin (only illicit opioid)	110	132	20.0%
	Fentanyl	197	235	19.3%
	Hydrocodone	807	870	7.8%
	Hydromorphone	178	199	11.8%
S	Meperidine	33	29	-12.1%
Opioids	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.

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	District & Area of Florida			
District	Area of Florida			
1	Pensacola			
2	Tallahassee			
3	Live Oak			
4 5	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			
Sta	atewide Totals			

Total Deaths with Alprazolam				
Total	Cause	Present		
54	26	28		
14	3 7	11		
13		6		
125	58	67		
56	24	32		
250	62	188		
67	1	66		
37	10	27		
130	50	80		
68	4	64		
101	36	65		
83	45	38		
120	79	41		
28	14	14		
176	80	96		
13	6	7		
203	110	93		
92	38	54		
74	9	65		
27	2	25		
74	26	48		
14	2	12		
22	11	11		
32	2	30		
1,873	705	1,168		

Deaths with Alprazolam Only				
Total	Cause	Present		
3	0	3		
0	0	0		
0	0	0		
7	0	7		
3	1	2		
9 5	1	8 5		
5	0	5		
5	0	5		
9	1	8		
0	0	0		
16	1	15		
5	0	5		
13	2	11		
7	0	2		
	1	6		
1	0	1		
20	4	16		
6	0	6		
5	0	5		
5 2 5	0	2 4		
5	1			
0	0	0		
2	0	2		
3	0	3		
128	12	116		

Deaths with Alprazolam in			
Combination with Other Drugs			
Total	Cause	Present	
51	26	25	
14	<u>3</u>	11	
13		6	
118	58	60	
53	23	30	
241	61	180	
62	1	61	
32	10	22	
121	49	72	
68	4	64	
85	35	50	
78	45	33	
107	77	30	
26	14	12	
169	79	90	
12	6	6	
183	106	77	
86	38	48	
69		60	
25	2	23	
69	25	44	
14	9 2 25 2	12	
20	11	9	
29	2	27	
1,745	693	1,052	

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	
St	atewide Totals	1,873	

Deaths Caused by Alprazolam (Lethal)						
	Age of Decedent					
Total	< 18	18–25	26-34	35-50	>50	
26	0	7	8	7	4	
7	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	
705	10	138	153	265	139	

A	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 2	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 5	26	8		
12	0	0	5	5	2		
11	0	4	5	2	0		
30	0	6	5	11	8		
1,168	13	186	209	441	319		

Table 5

Diazepam Deaths January – December 2008

Med	Medical Examiner		
District & Area of Florida			
District	Area of Florida		
1	Pensacola		
2	Tallahassee		
3 4	Live Oak		
4	Jacksonville		
5 6	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	
24	5	19	
5	0		
5 9	4	5 5	
74	19	55	
28	10	18	
145	7	138	
28	0	28	
23	7 5	16	
53	5	48	
22	1	21	
44	8	36	
34	20	14	
32	14	18	
13	5	8	
70	10	60	
4	2	2	
136	59	77	
33	10	23	
55	1	54	
9	0	9	
45	14	31	
10	0	10	
8	4	4	
10	0	10	
914	205	709	

Deaths v	Deaths with Diazepam Only			
Total	Cause	Present		
0	0	0		
0	0	0		
0	0	0		
5	0	5		
1	0	1		
1	0	1		
2	0	2		
2	0	2		
1	0	1		
0	0	0		
7	0	7		
4	0	4		
6	1	5		
1	0	1		
6	0	6		
0	0	0		
11	0	11		
3	0	3		
9	1	8		
0	0	0		
4	0	4		
1	0	1		
0	0	0		
1	0	1		
65	2	63		

Deaths with Diazepam in			
Combination with Other Drugs			
Total	Cause	Present	
24			
5 9	5	19 5 5	
9	4	5	
69	19	50	
27	10	17	
144	7	137	
26 21 52 22 37 30	0 7 5 1	26	
21	7	14	
52	5	47	
22		21	
37	8	29	
30	20	10	
26 12	13 5	13 7	
12	5	7	
64	10	54	
4	10 2	54 2	
125	59	66	
30	10	20	
46	0	46	
9	0	9	
41	14	27	
9	0	9	
8	4	4	
9	0	9	
849	203	646	

Table 6

Diazepam Deaths by Age January - December 2008

Medical	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	
Statewide Totals 914			

De	Deaths Caused by Diazepam (Lethal)				
		Age of I	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
205	0	18	33	86	68

Diazepam Present (Non-Lethal)					
Age of Decedent					
Total	<18	18-25	26-34	35-50	>50
19	0	3	2	9	5
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 2
4	0	2	0	0	
10	0	1	3	2	4
709	5	51	68	281	304

Oxycodone Deaths January – December 2008

Med	Medical Examiner		
District & Area of Florida			
District	Area of Florida		
1	Pensacola		
2	Tallahassee		
3 4	Live Oak		
4	Jacksonville		
5 6	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	24 Sanford		
Statewide Totals			

Total Deaths with Oxycodone			
Total	Cause	Present	
18	8	10	
4	2	2	
8	2 42	6	
79	42	37	
46	31	15	
308	209	99	
51	22	29	
21	11	10	
102	43	59	
44	5	39	
46	26	20	
54	37	17	
128	101	27	
14	8	6	
165	112	53	
8	3	5	
171	109	62	
91	49	42	
71	41	30	
24	9	15	
53	29	24	
19	10	9	
16	13	3	
33	19	14	
1,574	941	633	

Deaths w	Deaths with Oxycodone Only			
Total	Cause	Present		
2	0	2		
1	0	1		
1	0	1		
7	0	7		
5	3	2		
17	8	9 2		
4	2			
1	0	1		
9	1	8		
1	0	1		
9	1	8		
10	6	4		
14	9	5		
0	0	0		
12	4	8		
0	0	0		
12	3	9		
11	4	7		
9	2	7		
3	3	0		
5	1	4		
5 5 2	2	3		
	0	2		
3	2	1		
143	51	92		

Deaths with Oxycodone in Combination with Other Drugs			
Total	Cause	Present	
16	8	8	
<u>3</u> 7	2		
	8 2 2 42	5	
72	42	30	
41	28	13	
291	201	90	
47	20	27	
20	11	9	
93	42	51	
43	5	38	
37	25	12	
44	31	13	
114	92	22	
14	8	6	
153	108	45	
8	3	5	
159	106	53	
80	45	35	
62	39	23	
21	6	15	
48	28	20	
14	8	6	
14	13	1	
30	17	13	
1,431	890	541	

Table 8

Oxycodone Deaths by Age January - December 2008

Medical	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	
Statewide Totals 1,574			

Dea	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	8 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
941	12	150	179	413	187

(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 1	16	15	
20	0	1		4	14	
17	0	0	3	9	5	
27	1	2	3	9	12	
6	0			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	
633	7	78	88	225	235	

Table 9

Hydrocodone Deaths January – December 2008

Medical Examiner		
District & Area of Florida		
District	Area of Florida	
1	Pensacola	
2	Tallahassee	
3	Live Oak	
2 3 4 5 6	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		

Tota	Total Deaths with			
Hydrocodone				
Total	Cause	Present		
44	11	33		
16	1	15		
18	8	10		
119	36	83		
34	11	23		
112	43	69		
45	10	35		
21	3	18		
74	17	57		
30	3	27		
17	6	11		
27	9	18		
50	28	22		
23	9	14		
51	20	31		
6	2 22	4		
42	22	20		
41	14	27		
30	7	23		
7	0	7		
29	6	23		
10	1	9		
12	3	9		
12	0	12		
870	270	600		

Deaths with Hydrocodone				
	Only			
Total	Cause	Present		
6	0	6		
2	0	2		
6 2 0 5 7	0	6 2 0 5		
5	0	5		
	1	6		
5	3	3		
5	1	4		
4	0	4		
13	1	12		
1	0	1		
4	0	4		
2	0	2		
13	6	4 2 7 2		
4 2 13 3 7	1	2		
7	1	6		
0	0	0		
5	2	3 5 8		
5	0	5		
8	0	8		
0	0	0		
0 5 5 8 0 5	1	4		
2	0	4 2 2 2		
2	0	2		
2 2 2	0	2		
107	17	90		

TO 41 141 TT 1 1 1					
Deaths with Hydrocodone in					
	Combination with Other Drugs				
Total	Cause	Present			
38	11	27			
14	1	13			
18	8	10			
114	36	78			
27	10	17			
106	40	66			
40	9	31			
17	3	14			
61	16	45			
29	3	26			
13	6	7			
25	9	16			
37	22	15			
20	8	12			
44	19	25			
6	2	4			
37	20	17			
36	14	22			
22	7	15			
7	0	7			
24	5	19			
8	5 1	7			
10	3	7			
10	0	10			
763	253	510			

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	
2 3 4	Live Oak	18	
	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	
Statewide Totals 870			

Deat	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	2	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	
270	4	11	41	132	82	

Hydrocodone Present (Non-Lethal)					
Age of Decedent					
Total	<18	18-25	26-34	35-50	>50
33	0	3		16	11
15	0	0	3 2 1	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 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
600	6	37	73	237	247

Methadone Deaths January – December 2008

Medical Examiner		
District	& Area of Florida	
District	Area of Florida	
1	Pensacola	
2	Tallahassee	
3 4	Live Oak	
4	Jacksonville	
5 6	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		
44	31			
10	5	13 5 0		
8	8			
97	68	29		
62	52	10		
118	90	28		
26	15	11		
32	23	9		
43	27	16		
22	11	11		
10	8	2		
55	46	9		
86	72	14		
20	14	6		
79	66	13		
5	2	3		
79 5 47	35	12		
56	45	11		
42	28	14		
30	22	8		
19	11	8		
9	3 7 4	6		
9	7	2		
	4	3		
936	693	243		

Deaths w	Deaths with Methadone Only			
Total	Cause	Present		
2	1	1		
0	0	0		
0	0	0		
5	5	0		
13	13	0		
8	4	4		
0	0	0		
5	1	4		
6	1	5		
3	3	0		
1	1	0		
8	6	2		
16	9	7		
5	4	1		
5	4	1		
0	0	0		
10	7	3		
2	0	2		
3	1	1		
	3	0		
0	0	0		
0	0	0		
2	1	1		
1	1	0		
97	65	32		

Deaths with Methadone in				
Combinat	Combination with Other Drugs			
Total	Cause	Present		
42	30	12		
10	5	5		
8	8	0		
92	63	29		
49	39	10		
110	86	24		
26	15	11		
27	22	5		
37	26 8	11		
19	8	11 2 7 7 5 12		
9	7	2		
47	40	7		
70	63	7		
15	10	5		
74	62	12		
5	2	3 9		
37	28			
54	45	9		
40	27	13		
27	19	8		
19	11	8		
9 7	3	6		
	6	1		
6	3	3		
839	628	211		

Methadone Deaths by Age January - December 2008

Medical	Medical Examiner District and Area			
	of Florida			
District	Area of Florida	Total		
1	Pensacola	44		
3	Tallahassee	10		
	Live Oak	8		
4	Jacksonville	97		
5	Leesburg	62		
6	St. Petersburg	118		
7	Daytona Beach	26		
8	Gainesville	32		
9	Orlando	43		
10	Lakeland	22		
11	Miami	10		
12	Sarasota	55		
13	Tampa	86		
14	Panama City	20		
15	West Palm Bch	79		
16	Florida Keys	5		
17	Ft. Lauderdale	47		
18	Melbourne	56		
19	Ft. Pierce	42		
20	Naples	30		
21	Ft. Myers	19		
22	Port Charlotte	9		
23	St. Augustine	9		
24	Sanford	7		
Statewide Totals 936				

Dea	Deaths Caused by Methadone (Lethal)				
	Age of Decedent				
Total	< 18	18–25	26-34	35-50	>50
31	0	11	7	7	6
5	0	2	1	1	1
8	0	3	3	1	1
68	2	9	8	33	16
52	2	12	16	15	7
90	1	16	21	30	22
15	0	4	5	5	1
23	1	4	5	7	6
27	2	8	7	7	3
11	0	3	1	3	4
8	0	2	0	3	3
46	3	13	10	12	8
72	2	12	20	25	13
14	0	4	2	7	1
66	0	13	21	26	6
2	0	0	0	2	0
35	0	1	7	16	11
45	0	8	14	17	6
28	0	4	4	16	4
22	0	2	5	9	6
11	0	6	2	2	1
3 7	0	0	1	1	1
7	0	0	3	2	2
4	0	0	0	4	0
693	13	137	163	251	129

ľ	Methado	ne Pres	ent (Nor	1-Lethal)
			Decedent		•
Total	<18	18-25	26-34	35-50	>50
13	0	2	2	6	3
5	0	1	2 3	0	1
0	0	0	0	0	0
29	0	3	4	8	14
10	0	2	2	5	1
28	2	4	4	11	7
11	0	3	2	4	2
9	0	2	2 3	2	2
16	0	4	2	6	4
11	0	1	1	8	1
2 9	0	0	0	1	1
9	0	2	0	1	6
14	0	1	2	3	8
6	0	1	0	3	2
13	0	1	4	4	4
3	0	0	1	1	1
12	0	1	2	7	2
11	0	1	1	3	6
14	0	2	0	8	4
8	0	2 2	1	3	2 2
8	0	2	1	3 3 2	2
6	0	0	1	2	3
2	0	1	0	1	0
3	0	1	1	0	1
243	2	37	37	90	77

Morphine Deaths January – December 2008

Medical Examiner		
District	& Area of Florida	
District	Area of Florida	
1	Pensacola	
2	Tallahassee	
3 4	Live Oak	
4	Jacksonville	
5 6	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	8	9
15	4	11
3	2	1
43	23	20
20	16	4
49	30	19
17	5	12
34	6	28
74	24	50
38	4	34
40	12	28
21	13	8
53	32	21
6	4	2
53	32	21
3 60	2	1
60	28	32
27	17	10
24	14	10
9	5	4
33	13	20
11	0	11
4	4	0
6	2	4
660	300	360

Deaths v	Deaths with Morphine Only		
Total	Cause	Present	
	1	1	
5	0	5	
0	0	0	
3	0	3	
5	3	2	
0	0	0	
0	0	0	
13	0	13	
13	2	11	
7	1	6	
10	0	10	
7	3	4	
14	4	10	
1	1	0	
7	3	4	
1	0	1	
9	2	7	
7	1	6	
0	0	0	
2	1	1	
3	0	3	
4	0	4	
0	0	0	
1	0	1	
114	22	92	

Deaths	Deaths with Morphine in		
Combination with Other Drugs			
Total	Cause	Present	
15	7	8	
10	4	6	
3	2	1	
40	23	17	
15	13	2	
49	30 5	19	
17	5	12	
21	6 22 3 12	15	
61	22	39	
31	3	28	
30	12	18	
14	10	4	
39	28 3 29 2 26	11 2	
5	3	2	
46	29	17	
2	2	0	
51	26	25	
20	16	4	
24	14	10	
7	4	3	
30	13	17	
7	0	7	
4	4	0	
5	2	3	
546	278	268	

Table 14

Morphine Deaths by Age January - December 2008

Medical	Medical Examiner District and Area				
	of Florida				
District	Area of Florida	Total			
1	Pensacola	17			
3	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			
Statewide Totals 660					

De	aths Ca	used by	Morphi	ne (Leth	al)
		Age of I	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
300	2	19	42	130	107

	Morphi	ne Prese	ent (Non	-Lethal))
	_	Age of I	Decedent		
Total	<18	18-25	26-34	35-50	>50
9	0	1	1	4	3
11	2	2	2	3	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 5	10	18
28	0	1		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 3 1	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
360	7	27	35	106	185

Propoxyphene Deaths January - December 2008

Medical Examiner		
District	& Area of Florida	
District	Area of Florida	
1	Pensacola	
2	Tallahassee	
3 4	Live Oak	
4	Jacksonville	
5 6	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		

Tota	Total Deaths with			
Pr	opoxyphei	1e		
Total				
10	2	8		
4		8 3		
1	0	1		
25	8	17		
19	4	15		
44	6	38		
21	3	18		
8	3 1 6	7		
26		20		
23	2 4	21		
11		7		
8	4	4		
20	6	14		
12	6 5 5	7		
13	5	8		
1	0 11	1		
22	11	11		
20	4	16		
12	4 2 1	10		
1	1	0		
11	2 0	9		
1	0	1		
3	2 1	1		
6	1	5		
322 80 242				

Deaths with Propoxyphene			
	Only		
Total	Cause	Present	
2	0	2	
0	0	0	
0	0	0	
5	1	1	
5	0	5	
9	1	8 3 2 2	
3 2 2	0	3	
2	0	2	
	0	2	
0	0	0	
3	0	3	
2	1	7	
3 2 8	1	7	
2	0	2	
2	1	1	
0	0	0	
0 2 5	0	2	
5	0	5	
2 0	0	2 5 2 0	
	0		
2	0	2	
0	0	0	
1	1	0	
1	0	1	
55 6 49			

Deaths with Propoxyphene in			
Combination with Other Drugs			
Total	Cause	Present	
8	2	6	
4	1	3	
1	0	1	
23	7	16	
14	4	10	
35	5	30	
18	3	15	
6	1	5	
24	6	18	
23	2	21	
8	4 3 5 5 4	4 3 7 5 7	
6	3	3	
12	5	7	
10	5	5	
11		7	
1	0	1	
20	11	9	
15	4	11	
10	2	8	
1		0	
9	2	7	
1	0	1	
2 5	1	1	
5	1	4	
267	74	193	

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			
Statewide Totals 322					

Deat	hs Cause			hene (Le	ethal)	
	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	
80	0	8	6	35	31	

Pr	Propoxyphene Present (Non-Lethal)				
			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	5
4	0	0	0	3	1
14	0	0	0	2 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 5	10
10	0	0	0		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
242	0	12	28	70	132

Cocaine Deaths January – December 2008

Medical Examiner			
District	& Area of Florida		
District	Area of Florida		
1	Pensacola		
2	Tallahassee		
3 4	Live Oak		
4	Jacksonville		
5 6	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		
56	19	37		
27	12	15		
13	5	8		
165	58	107		
67	35	32		
154	66	88		
51	4	47		
32	8	24		
179	49	130		
40	15	25		
201	55	146		
75	41	34		
146	61	85		
17	3	14		
143	61	82		
15	2	13		
146	61	85		
68	36	32		
47	20	27		
15	4	11		
67	20	47		
14	2	12		
27	8	19		
26	3	23		
1,791	1,791 648 1,143			

Deaths with Cocaine Only				
Total	Cause	Present		
10		5		
5	5 3	5 2		
1	0	1		
34	15	19		
15 20	9	6		
20	9 5 1	15		
10	1	9		
4	0 12	4		
47	12	35		
13	9	4		
85	20	65		
18	8	10		
56	26	30		
5	2 8	3		
20	8	12		
2	1			
2 41	1 12 2 3 1	29		
7	2	5		
6	3	3		
		1 29 5 3 0 5 3 8		
9	4	5		
3	0	3		
10	2	8		
2 0 2				
424 148 276				

Deaths with Cocaine in					
Combination with Other Drugs					
	Ü				
Total	Cause	Present			
46	14	32			
22	9	13			
12	5	7			
131	43	88			
52	26	26			
134	61	73			
41	3	38			
28	8	20			
132	37	95			
27	6	21			
116	35	81			
57	33	24			
90	35	55			
12	1	11			
123	53	70			
13	1	12			
105	49	56			
61	34	27			
41	17	24			
14	3	11			
58	16	42			
11	2	9			
17	6	11			
24	3	21			
1,367	500	867			

Cocaine Deaths by Age January – December 2008

Medical	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			
Statewide Totals 1,791					

D	Deaths Caused by Cocaine (Lethal)				
		Age of I	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
648	1	76	141	301	129

Cocaine Present (Non-Lethal)										
		Age of I	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 5 2 3	7	2					
19	0	3	3	11	2					
23	1	5	5	8	4					
1,143	15	198	249	484	197					

Chart 4

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

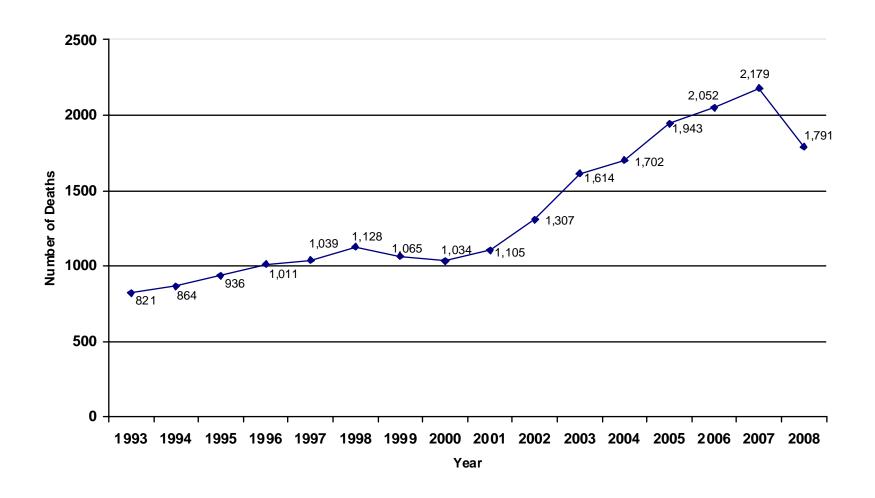


Table 19

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
Stat	tewide Total	864	936	1,011	1,039	1,128	1,065	1,034	1,105	1,307	1,614	1,702	1,943	2,052	2,179	1,791

Heroin Deaths January – December 2008

Medical Examiner						
District	& Area of Florida					
District	Area of Florida					
1	Pensacola					
3	Tallahassee					
	Live Oak					
4 5 6	Jacksonville					
5	Leesburg					
	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 Heroin								
Total	Cause	Present						
1	1	0						
0	0	0						
0	0	0						
3	3	0						
3 5 5	3 5 3	0						
	3	2						
0	0	0						
0	0	0						
16	16	0						
0	0	0						
38	33	5						
19	18	1						
5	5	0						
0	0	0						
7	6	1						
1	1	0						
17	13	4						
1	1	0						
3	3	0						
1	1	0						
7	7	0						
0	0	0						
0	0	0						
3	3	0						
132	119	13						

Deaths with Heroin Only								
Total	Cause	Present						
0	0	0						
0	0	0						
0	0	0						
0	0	0						
1	1	0						
0	0	0						
0	0	0						
0	0	0						
1	1	0						
0	0	0						
7	6	1						
1	1	0						
1	1	0						
0	0	0						
1	1	0						
0	0	0						
0	0	0						
0	0	0						
1	1	0						
0	0	0						
0	0	0						
0	0	0						
0	0	0						
1	1	0						
14	13	1						

Deaths with Heroin in								
		ther Drugs						
Total	Cause	Present						
1	1	0						
0	0	0						
0	0	0						
3	3	0						
4	4	0						
5	3	2						
0	0	0						
0	0	0						
15	15	0						
0	0	0						
31	27	4						
18	17	1						
4	4	0						
0	0	0						
6	5	1						
1	1	0						
17	13	4						
1	1	0						
2	2	0						
1	1	0						
7	7	0						
0	0	0						
0	0	0						
2	2	0						
118	106	12						

Heroin Deaths by Age January - December 2008

Medical Examiner District and Area									
	of Florida								
District	Area of Florida	Total							
1	Pensacola	1							
2	Tallahassee	0							
3	Live Oak	0							
4	Jacksonville	3							
5	Leesburg	5							
6	St. Petersburg	5							
7	Daytona Beach	0							
8	Gainesville	0							
9	Orlando	16							
10	Lakeland	0							
11	Miami	38							
12	Sarasota	19							
13	Tampa	5							
14	Panama City	0							
15	West Palm Bch	7							
16	Florida Keys	1							
17	Ft. Lauderdale	17							
18	Melbourne	1							
19	Ft. Pierce	3							
20	Naples	1							
21	Ft. Myers	7							
22	Port Charlotte	0							
23	St. Augustine	0							
24	Sanford	3							
St	Statewide Totals 132								

D	Deaths Caused by Heroin (Lethal)									
			Decedent	r	•					
Total	< 18	18–25	26-34	35-50	>50					
1	0	1	0	0	0					
0	0	0	0	0	0					
0	0	0	0	0	0					
3	0	0	0	0	3					
5	0	1	1	2	1					
3	0	1	0	0	2					
0	0	0	0	0	0					
0	0	0	0	0	0					
16	0	2	8	5	1					
0	0	0	0	0	0					
33	0	8	6	15	4					
18	0	5	7	3	3					
5	0	0	2	3	0					
0	0	0	0	0	0					
6	0	1	1	2	2					
1	0	0	0	1	0					
13	0	2	2	7	2					
1	0	0	0	1	0					
3	0	0	1	2	0					
1	0	0	0	1	0					
7	0	0	1	6	0					
0	0	0	0	0	0					
0	0	0	0	0	0					
3	0	1	1	1	0					
110	0	22	30	49	18					

Heroin Present (Non-Lethal)										
			Decedent	ŕ						
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					
0	0	0	0	0	0					
0	0	0	0	0	0					
2	0	0	0	2	0					
0	0	0	0	0	0					
0	0	0	0	0	0					
0	0	0	0	0	0					
0	0	0	0	0	0					
5	0	0	0	3	2					
1	0	1	0	0	0					
0	0	0	0	0	0					
0	0	0	0	0	0					
1	0	0	0	1	0					
0	0	0	0	0	0					
4	0	0	0	1	3					
0	0	0	0	0	0					
0	0	0	0	0	0					
0	0	0	0	0	0					
0	0	0	0	0	0					
0	0	0	0	0	0					
0	0	0	0	0	0					
0	0	0	0	0	0					
13	0	1	0	7	5					

Deaths Caused by Heroin by Year 1996 - 2008

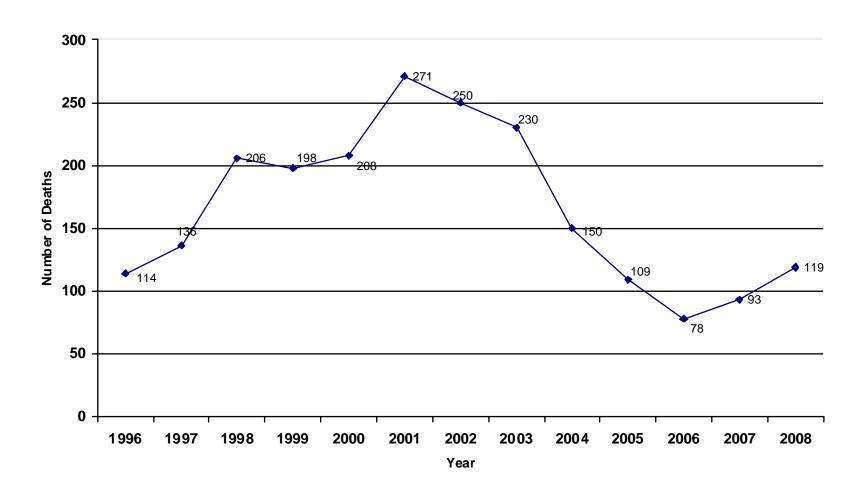


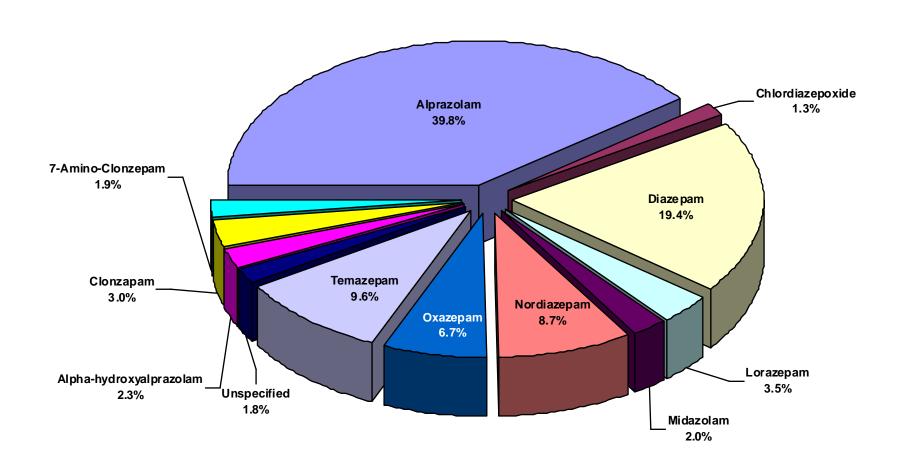
Table 22

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
State	wide Totals	114	136	206	198	208	271	250	230	150	109	78	93	119

Chart 6

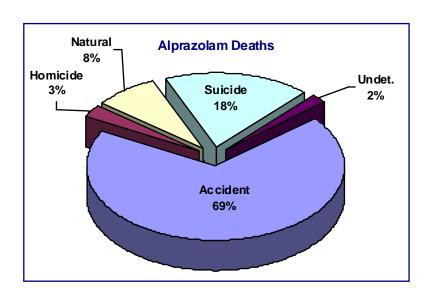
Frequency of Occurrence of Benzodiazepines January - December 2008

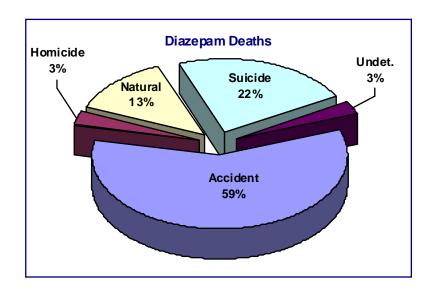


Note: Desalkylflurazepam, estazolam, hydroxyalprazolam, flurazepam, and demoxiopam constituted less than 1% of the drug frequencies.

Manners of Death for Cases Reported

(Accidental, Homicide, Natural, Suicide or Undetermined)





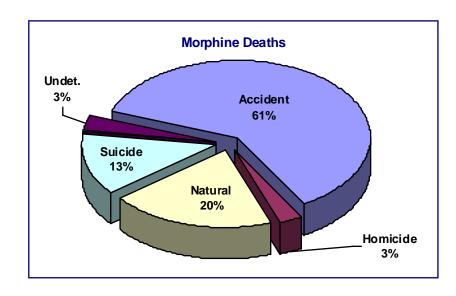
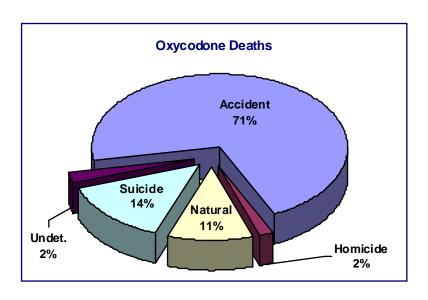
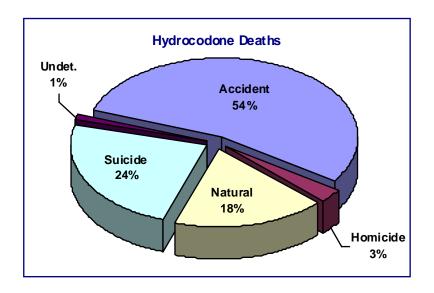


Chart 7

Manners of Death for Cases Reported

(Accidental, Homicide, Natural, Suicide or Undetermined)





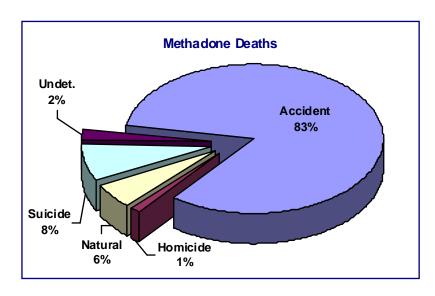
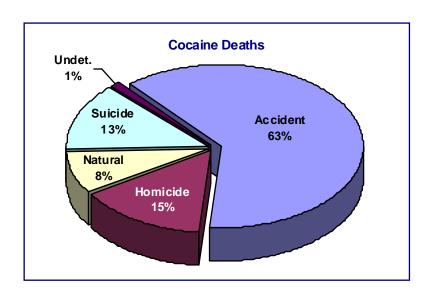


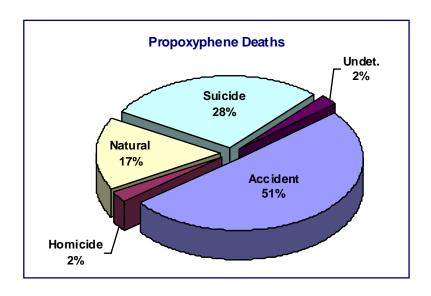
Chart 7

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 Durgesic 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.

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 Darvor 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.