Drugs Identified in Deceased Persons by Florida Medical Examiners



2023 Interim Report

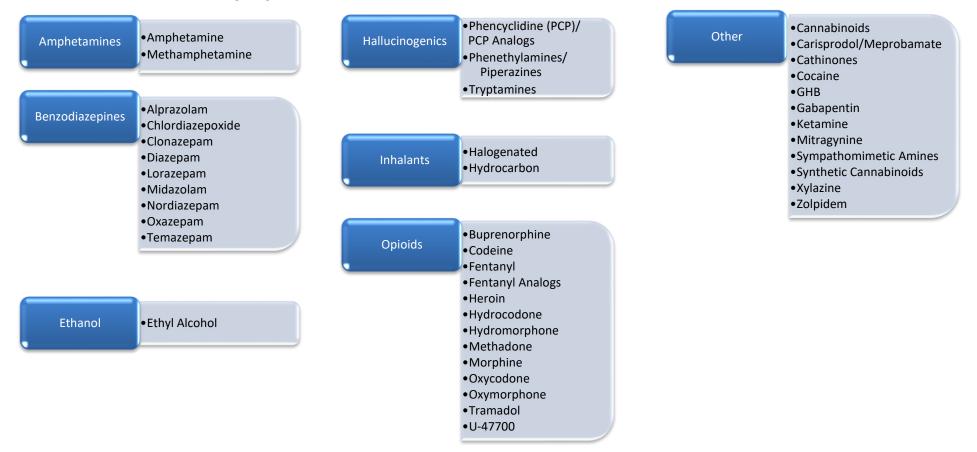
Data Collection

The State of Florida's Bureau of Vital Statistics reported 117,361 deaths in Florida during the first six months of 2023. Of the cases seen by Florida's medical examiners, toxicology results determined that the drugs listed below were present at the time of death in 7,412 cases. The medical examiners assessed whether the drug(s) identified was the cause of death or merely present at the time of death. The data were then submitted to the Medical Examiners Commission (MEC) for presentation in this report. It is important to note that each death is a single case, while each time a drug is detected represents an occurrence. The vast majority of the 7,412 deaths had more than one drug occurrence.

When reporting the data, Florida's medical examiners were asked to distinguish between the drugs determined to be the cause of death and those drugs that were present in the body at the time of death. A drug is indicated as the cause of death only when, after examining all evidence, the autopsy and toxicology results, the medical examiner determines the drug played a causal role in the death. It is not uncommon for a decedent to have multiple drugs listed as a cause of death. However, a drug may not have played a causal role in the death even when the medical examiner determines the drug is present or identifiable in the decedent. Therefore, a decedent often is found to have multiple drugs listed as present; these are drug occurrences and are not equivalent to deaths.

The MEC would like to acknowledge with much appreciation the crucial role of the members of the Quality Assurance Committee.

Data were collected on the following drugs:



Highlights

Some general statewide trends for the first half of 2023 (January – June) are listed below. All comparisons are made to data from January to June 2022 unless otherwise noted. Year-to-year comparisons utilize the previous year's annual drug data, which includes any pending cases that were not part of the original interim data submitted. Please note that the 2023 semi-annual data is subject to change based on the submission of any pending cases.

- ✓ Total drug-related deaths decreased by 7 percent (533 less).
- ✓ 3,640 opioid-related deaths were reported, which is a 11 percent decrease (470 less). The opioids were identified as either the cause of death or merely present in the decedent.
- ✓ 2,783 opioid-caused deaths were reported, which is a 10 percent decrease (321 less).
- ✓ 4,241 individuals (10 percent decrease, 485 less) died with one or more prescription drugs in their system. The drugs were identified as either the cause of death or merely present in the decedent. These drugs may have also been mixed with illicit drugs and/or alcohol. While fentanyl is a prescription drug, data indicates that at least 86 percent of fentanyl occurrences were illicitly obtained.
- ✓ 2,836 individuals (10 percent decrease, 301 less) died with at least one prescription drug in their system that was identified as the cause of death. These drugs may have been mixed with other prescription drugs, illicit drugs and/or alcohol.
- ✓ The most frequently occurring drugs found in decedents were ethyl alcohol (2,957), fentanyl (2,822), benzodiazepines (1,761, including 565 alprazolam occurrences), cocaine (1,733), cannabinoids (1,670), methamphetamine (1,349) and amphetamine (1,250).
- ✓ The drugs that caused the most deaths were fentanyl (2,541), cocaine (1,149), methamphetamine (995), ethyl alcohol (641), amphetamine (472) benzodiazepines (437, including 263 alprazolam deaths) and fentanyl analogs (343). Fentanyl (90 percent), fentanyl analogs (81 percent), heroin (77 percent), methamphetamine (74 percent), cathinones (68 percent), cocaine (66 percent), mitragynine (66 percent), xylazine (56 percent) and methadone (53 percent) were the major drugs listed as causing death in more than 50 percent of the deaths in which these drugs were found.
- ✓ Occurrences of heroin decreased by 54 percent (67 less) and deaths caused by heroin decreased by 53 percent (50 less).
- ✓ Occurrences of fentanyl decreased by 10 percent (328 less) and deaths caused by fentanyl decreased by 10 percent (295 less).
- ✓ Occurrences of fentanyl analogs decreased by 12 percent (56 less) and deaths caused by fentanyl analogs decreased by 14 percent (57 less). *
- ✓ Occurrences of methadone decreased by 21 percent (33 less) and deaths caused by methadone decreased by 31 percent (29 less).
- ✓ Occurrences of hydrocodone decreased by 20.5 percent (49 less) and deaths caused by hydrocodone increased by 2 percent (1 more).
- ✓ Occurrences of oxycodone decreased by 8 percent (42 less) and deaths caused by oxycodone decreased by 6 percent (13 less).

^{*}These comparisons remove 4-ANPP from occurrences of fentanyl analogs.

(Highlights continued)

- ✓ Occurrences of cocaine decreased by 12 percent (227 less) and deaths caused by cocaine decreased by 10 percent (129 less).
- ✓ Occurrences of buprenorphine decreased by 11 percent (13 less) and deaths caused by buprenorphine increased by 27 percent (6 more).
- ✓ Occurrences of morphine decreased by 31 percent (146 less) and deaths caused by morphine decreased by 41 percent (76 less).
- ✓ Alprazolam (Xanax) still dominated the category of benzodiazepines even though occurrences decreased by 16 percent (105 less).
- ✓ Occurrences of methamphetamine decreased by 11.5 percent (176 less) and amphetamine decreased by 12.5 percent (179 less). Deaths caused by methamphetamine decreased by 14 percent (159 less) and amphetamine increased by 6 percent (25 more). In the body, methamphetamine is metabolized to amphetamine, thus many occurrences of amphetamine likely represent illicit methamphetamine ingestion rather than pharmaceutical amphetamine use.
- ✓ Occurrences of cathinones increased by 105 percent (221 more) and deaths caused by cathinones increased by 101 percent (148 more). The majority of cathinones reported were N,N-Dimethylpentylone and Pentylone. Pentylone is a metabolite of N,N-Dimethylpentylone.
- ✓ Occurrences of mitragynine decreased by 8 percent (12 less) and deaths caused by mitragynine increased by 16 percent (13 more).
- ✓ Occurrences of gabapentin decreased by 10 percent (51 less) and deaths caused by gabapentin decreased by 23 percent (23 less).
- ✓ There was a total of 278 occurrences of xylazine reported.

NOTE: 4-Anilino-N-phenethylpiperidine (4-ANPP, despropionyl fentanyl) is an intermediate precursor of fentanyl production, as well as a minor metabolite of fentanyl. 4-ANPP is widely considered to be pharmacologically inactive, and appears to have no significant psychoactive effect. 4-ANPP appears unlikely to be a contributor to morbidity or mortality, but is a valuable indicator of the ingestion of illicitly manufactured fentanyl or fentanyl analogs. Accordingly, 4-ANPP is not listed as a fentanyl analog in the MEC drug reports. However, the Commission continues to request submissions of 4-ANPP occurrences in decedents.

Medical Examiners Commission Members

Barbara C. Wolf, M.D. Chairman

District 5/24 Medical Examiner 809 Pine Street Leesburg, Florida 34748 (352) 326-5961

Email: barbara.wolf@marioncountyfl.org

Joshua Stephany, M.D.

District 9/25 Medical Examiner

Honorable Charlie Cofer, J.D.

Public Defender, Fourth Judicial Circuit

Robin Giddens Sheppard, L.F.D.

Vice President/Funeral Director, Hardage-Giddens Funeral Home

Kenneth T. Jones

State Registrar, Department of Health

MEC Staff — Florida Department of Law Enforcement

Post Office Box 1489
Tallahassee, Florida 32302
(850) 410-8600
MEC Website

Chief of Policy & Special Programs Brett Kirkland, Ph.D. (850) 410-8600 BrettKirkland@fdle.state.fl.us

Government Analyst II Ashley Williams (850) 410-8609 <u>Ashley Williams@fdle.state.fl.us</u>

Government Analyst II Megan Neel (850) 410-8664 MeganNeel@fdle.state.fl.us

General Counsel James Martin, J.D. (850) 410-7676 JamesMartin@fdle.state.fl.us

Nick Cox, J.D.

Office of the Attorney General

Amira Fox, J.D.

State Attorney, 20th Judicial Circuit

Honorable Robert "Bob" Johnson

Sheriff, Santa Rosa County

Honorable Michael A. Barnett County Commissioner, Palm Beach

Quality Assurance Committee Members

Russell S. Vega, M.D.
District Medical Examiner
District 12/22 Medical Examiner Office

Robert R. Pfalzgraf, M.D.
Associate Medical Examiner
District 4 Medical Examiner Office

Julia M. Pearson, Ph.D.
Chief Forensic Toxicologist
District 13 Medical Examiner Office

Chris W. Chronister, Ph.D.
Forensic Toxicology Laboratory Director
University of Florida

Table of Contents

Map of Florida Medical Examiner Districts	1
Summary of Drug Occurrences in Decedents	2
Frequency of Reported Drug Occurrences	4
Comparison of Drug Occurrences in Decedents (January - June 2022 & January - June 2023)	5
Comparison of Drug Caused Deaths (January 2022 – June 2023)	7
Frequency of Occurrence of Benzodiazepines	8
Alprazolam Deaths	9
Alprazolam Deaths by Age	10
Clonazepam Deaths	11
Clonazepam Deaths by Age	12
Frequency of Occurrence of Opioids	13
Oxycodone Deaths	14
Oxycodone Deaths by Age	15
Hydrocodone Deaths	16
Hydrocodone Deaths by Age	17
Methadone Deaths	18
Methadone Deaths by Age	19
Morphine Deaths	20
Morphine Deaths by Age	21
Fentanyl Deaths	22
Fentanyl Deaths by Age	23
Frequency of Occurrence of Fentanyl Analogs	24
Fentanyl Analog Deaths	25
Fentanyl Analog Deaths by Age	26
Heroin Deaths	27
Heroin Deaths by Age	28
Cocaine Deaths	29
Cocaine Deaths by Age	30
Methamphetamine Deaths	31
Methamphetamine Deaths by Age	32
Xylazine Deaths	33
Xylazine Deaths by Age	34
Drug Detected at Death: Cause vs. Present	35
Manner of Death for Cases Reported	39
Glossary	43

Coverage Map

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 *2 Madison *2 Suwannee *2

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

District 10

Hardee Highlands Polk

District 11

District 12

Manatee Sarasota

District 13

Hillsborough

District 14

Calhoun Gulf Holmes Jackson Washington

District 15 Palm Beach

District 16 Monroe

Broward

District 18

Summary of Drug Occurrences in Decedents

	Drug Present in Body	Cause	Present	TOTAL OCCURRENCES
amines	Amphetamine	472	778	1,250
Amphetamines	Methamphetamine	995	354	1,349
	Alprazolam	263	302	565
	Chlordiazepoxide	9	39	48
es	Clonazepam	56	192	248
Benzodiazepines	Diazepam	66	125	191
diaz	Lorazepam	11	136	147
ozue	Midazolam	3	129	132
Be	Nordiazepam	15	173	188
	Oxazepam	3	104	107
	Temazepam	11	124	135
	Ethanol	641	2,316	2,957
enics	Phencyclidine (PCP)/PCP Analogs	0	0	0
Hallucinogenics	Phenethylamines/Piperazines	33	26	59
Hallı	Tryptamines	1	5	6
Inhalants	Halogenated	10	1	11
Inha	Hydrocarbon	1	0	1

Summary of Drug Occurrences in Decedents (continued)

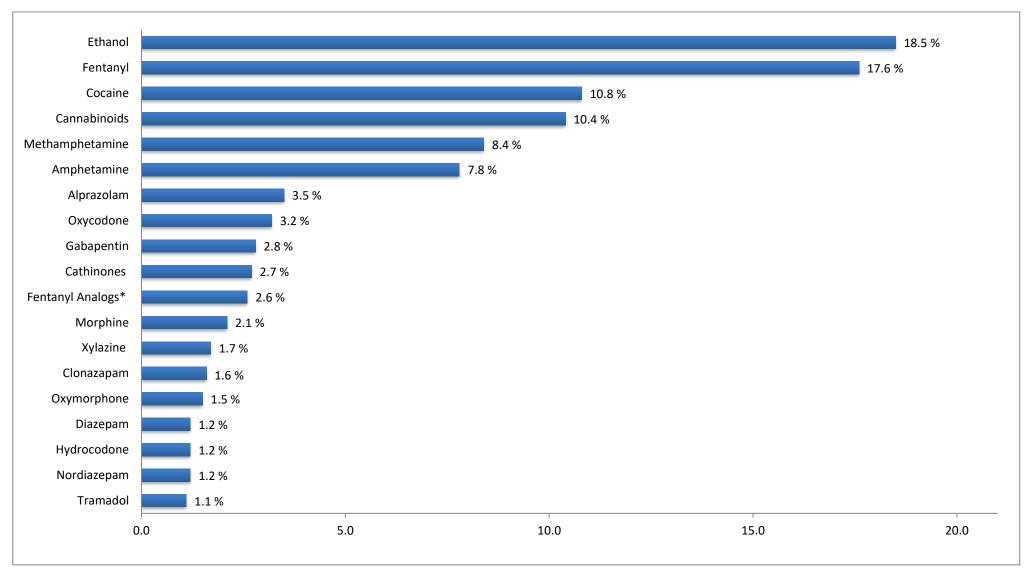
	Drug Present in Body	Cause	Present	TOTAL OCCURRENCES
	Buprenorphine	28	73	101
	Codeine	11	42	53
	Fentanyl	2,541	281	2,822
	Fentanyl Analogs*	343	79	422
	Heroin	44	13	57
SD	Hydrocodone	61	129	190
Opioids	Hydromorphone	35	112	147
O	Methadone	65	57	122
	Morphine	110	218	328
	Oxycodone	220	289	509
	Oxymorphone	27	214	241
	Tramadol	44	124	168
	U-47700	0	0	0
	Cannabinoids	18	1,652	1,670
	Carisoprodol/Meprobamate	6	15	21
	Cathinones	294	138	432
	Cocaine	1,149	584	1,733
	GHB	0	1	1
Other	Gabapentin	75	373	448
Otl	Ketamine	17	132	149
	Mitragynine	96	50	146
	Sympathomimetic Amines	2	16	18
	Synthetic Cannabinoids	7	1	8
	Xylazine	155	123	278
	Zolpidem	28	46	74

Note: The total occurrences for buprenorphine and cannabinoids are under reported. The rate will vary from district-to-district based on the scope of drug analysis utilized by the medical examiner office. Since heroin is rapidly metabolized to morphine, this may lead to a substantial over-reporting of morphine-related deaths as well as significant under-reporting of heroin-related deaths. Many deaths were found to have several drugs contributing to the death; therefore, the count of specific drugs listed is greater than the number of deaths.

*Does not include 4-ANPP.

Frequency of Reported Drug Occurrences¹

January – June 2023



¹The following drugs individually constituted less than one percent of drug frequencies and are not included: chlordiazepoxide, lorazepam, midazolam, oxazepam, temazepam, all hallucinogenics, all inhalants, buprenorphine, carisoprodol/meprobamate, codeine, GHB, heroin, hydromorphone, ketamine, methadone, mitragynine, sympathomimetic amines, synthetic cannabinoids, U-47700 and zolpidem. Note: Percentages may not sum to 100 percent because of rounding.

*Does not include 4-ANPP.

Comparison of Drug Occurrences in Decedents

	Drug Present in Body	January – June 2022	January – June 2023	PERCENTAGE CHANGE
Amphetamines	Amphetamine	1,429	1,250	-12.5%
Amphet	Methamphetamine	1,525	1,349	-11.5%
	Alprazolam	670	565	-15.7%
	Chlordiazepoxide	26	48	84.6%
es	Clonazepam	285	248	-13.0%
Benzodiazepines	Diazepam	213	191	-10.3%
diaz	Lorazepam	138	147	6.5%
ozua	Midazolam ¹	135	132	-2.2%
ă	Nordiazepam	201	188	-6.5%
	Oxazepam	120	107	-10.8%
	Temazepam	152	135	-11.2%
	Ethanol	3,123	2,957	-5.3%
enics	Phencyclidine (PCP)/PCP Analogs	0	0	0.0%
Hallucinogenics	Phenethylamines/Piperazines	53	59	11.3%
Hallı	Tryptamines	2	6	**
Inhalants	Halogenated	15	11	-26.7%
Inhal	Hydrocarbon	0	1	**

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

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

¹Midazolam is used clinically as a sedative and anesthetic. It is not currently a known drug of abuse.

Comparison of Drug Occurrences in Decedents (Continued)

	Drug Present In Body	January – June 2022	January – June 2023	PERCENTAGE CHANGE
	Buprenorphine	114	101	-11.4%
	Codeine	102	53	-48.0%
	Fentanyl	3,150	2,822	-10.4%
	Fentanyl Analogs*	478	422	-11.7%
	Heroin	124	57	-54.0%
S	Hydrocodone	239	190	-20.5%
Opioids	Hydromorphone	228	147	-35.5%
ō	Methadone	155	122	-21.3%
	Morphine	474	328	-30.8%
	Oxycodone	551	509	-7.6%
	Oxymorphone	253	241	-4.7%
	Tramadol	181	168	-7.2%
	U-47700	0	0	0.0%
	Cannabinoids	1,894	1,670	-11.8%
	Carisoprodol/Meprobamate	14	21	50.0%
	Cathinones	211	432	104.7%
	Cocaine	1,960	1,733	-11.6%
	GHB	4	1	**
Other	Gabapentin	499	448	-10.2%
Oth	Ketamine	107	149	39.3%
	Mitragynine	158	146	-7.6%
	Sympathomimetic Amines	13	18	38.5%
	Synthetic Cannabinoids	5	8	**
	Xylazine	233	278	19.3%
	Zolpidem	57	74	29.8%

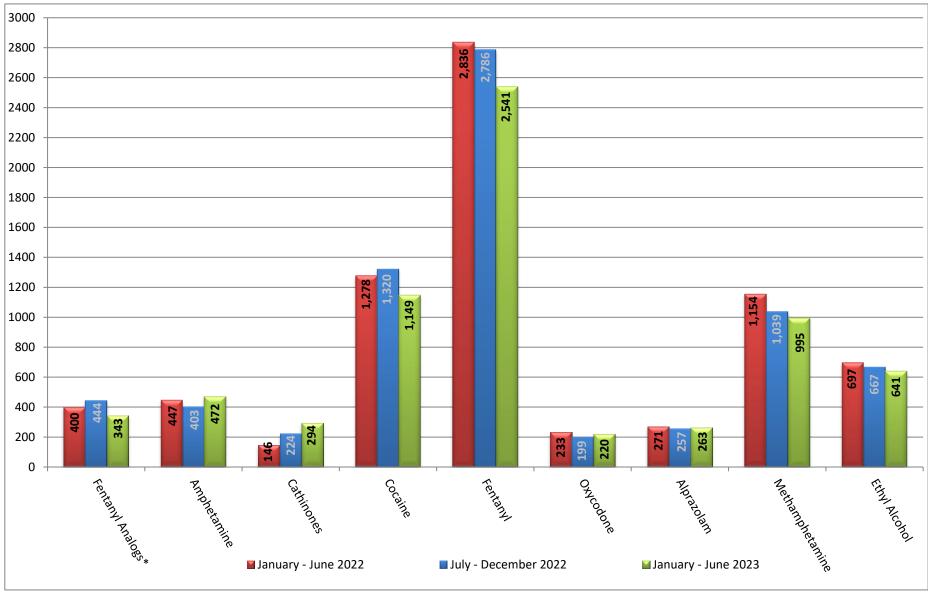
^{*}Does not include 4-ANPP.

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

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

Comparison of Drug Caused Deaths

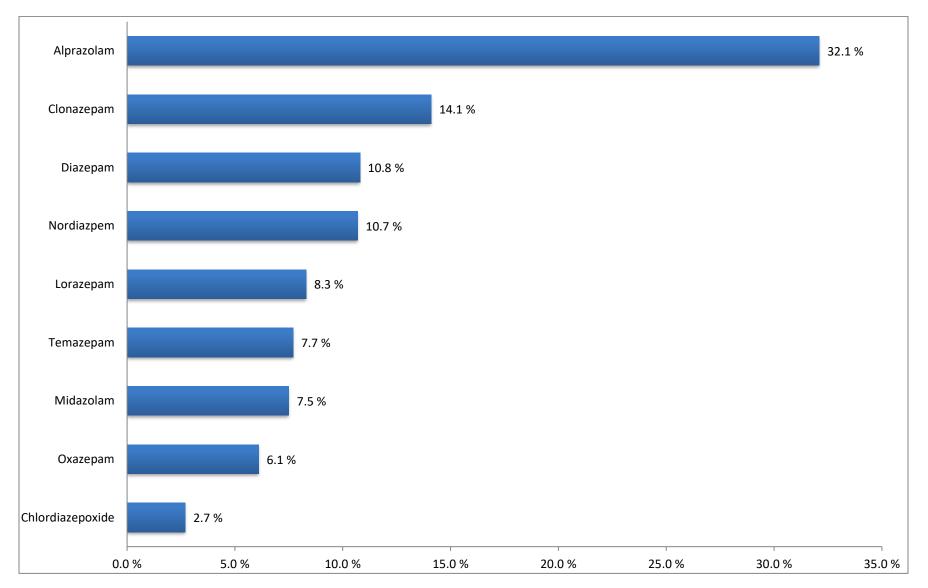
January 2022 to June 2023



Note: Not all drugs are included in the above chart.
*Does not include 4-ANPP.

Frequency of Occurrence of Benzodiazepines

January - June 2023



Note: Percentages may not sum to 100 percent because of rounding. Several benzodiazepines (for example, diazepam) are metabolized to other benzodiazepines in the body (for example, nordiazepam, oxazepam and temazepam).

Alprazolam Deaths

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

Total Deaths with Alprazolam			
Total	Cause	Present	
15	10	5	
0	0	0	
6	4	2	
27	9	18	
15	3	12	
80	51	29	
20	12	8	
5	1	4	
17	5	12	
15	4	11	
79	30	49	
34	14	20	
41	28	13	
7	4	3	
64	14	50	
2	2	0	
39	21	18	
12	7	5	
10	5	5	
13	7	6	
35	24	11	
11	4	7	
7	4	3	
5	0	5	
6	0	6	
565	263	302	

Deaths with Alprazolam Only			
Total	Cause	Present	
1	0	1	
0	0	0	
0	0	0	
4	0	4	
1	0	1	
2	2	0	
1	0	1	
1	0	1	
2	0	2	
2	0	2	
8	0	8	
1	0	1	
6	1	5	
0	0	0	
3	0	3	
0	0	0	
3	0	3	
0	0	0	
1	0	1	
1	0	1	
4	2	2	
2	0	2	
0	0	0	
1	0	1	
1	0	1	
45	5	40	

Deaths with Alprazolam in			
Combination with Other Drugs			
Total	Cause	Present	
14	10	4	
0	0	0	
6	4	2	
23	9	14	
14	3	11	
78	49	29	
19	12	7	
4	1	3	
15	5	10	
13	4	9	
71	30	41	
33	14	19	
35	27	8	
7	4	3	
61	14	47	
2	2	0	
36	21	15	
12	7	5	
9	7 5 7	4	
12	7	5	
31	22	9	
9	4	5	
7	4	3	
4	0	4	
5	0	5	
520	258	262	

Alprazolam Deaths by Age

Medical Examiner District and Area of Florida				
District	Area of Florida	Total		
1	Pensacola	15		
2	Tallahassee	0		
3	Live Oak	6		
4	Jacksonville	27		
5	Leesburg	15		
6	St. Petersburg	80		
7	Daytona Beach	20		
8	Gainesville	5		
9	Orlando	17		
10	Lakeland	15		
11	Miami	79		
12	Sarasota	34		
13	Tampa	41		
14	Panama City	7		
15	West Palm Beach	64		
16	Florida Keys	2		
17	Ft. Lauderdale	39		
18	Melbourne	12		
19	Ft. Pierce	10		
20	Naples	13		
21	Ft. Myers	35		
22	Port Charlotte	11		
23	St. Augustine	7		
24	Sanford	5		
25	Kissimmee	6		
Stat	Statewide Totals 565			

	Alprazolam Caused Death					
Age of Decedent						
Total	<18	18-25	26-34 35-50 >50			
10	0	1	2	4	3	
0	0	0	0	0	0	
4	0	0	0	3	1	
9	0	0	2	5	2	
3	0	0	1	1	1	
51	0	1	9	21	20	
12	0	2	2	5	3	
1	0	0	0	0	1	
5	0	1	2	1	1	
4	0	2	0	1	1	
30	0	5	10	7	8	
14	0	2	2	6	4	
28	0	1	6	9	12	
4	0	1	1	2	0	
14	0	1	1	7	5	
2	0	1	0	1	0	
21	0	1	4	9	7	
7	0	0	0	3	4	
5	0	0	1	3	1	
7	0	0	2	2	3	
24	0	0	5	8	11	
4	0	0	1	2	1	
4	0	0	1	0	3	
0	0	0	0	0	0	
0	0	0	0	0	0	
263	0	19	52	100	92	

Alarazalam Pracant at Dooth						
Alprazolam Present at Death Age of Decedent						
Total						
5	0	2	0	0	3	
0	0	0	0	0	0	
2	0	0	0	1	1	
18	0	1	0	10	7	
12	0	1	2	2	7	
29	0	3	4	13	9	
8	0	0	3	2	3	
4	0	0	1	1	2	
12	0	1	6	5	0	
11	0	0	0	5	6	
49	0	5	10	18	16	
20	0	0	3	9	8	
13	0	2	1	4	6	
3	0	0	0	2	1	
50	0	3	11	23	13	
0	0	0	0	0	0	
18	0	2	5	6	5	
5	0	0	1	1	3	
5	0	0	1	3	1	
6	0	0	3	0	3	
11	0	0	0	1	10	
7	0	0	3	0	4	
3	0	0	0	2	1	
5	0	1	2	0	2	
6	0	0	3	2	1	
302	0	21	59	110	112	

Clonazepam Deaths

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

Total Deaths with Clonazepam			
Total	Cause	Present	
3	2	1	
5	0	5	
2	2	0	
18	3	15	
7	1	6	
41	9	32	
7	0	7	
0	0	0	
17	1	16	
1	0	1	
44	7	37	
2	1	1	
1	0	1	
1	0	1	
38	3	35	
0	0	0	
14	9	5	
9	6	3	
6	1	5	
1	1	0	
20	9	11	
3	0	3	
2	0	2	
2	0	2	
4	1	3	
248	56	192	

Deaths with Clonazepam Only			
Total	Cause	Present	
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	
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	

Deaths with Clonazepam in Combination with Other Drugs			
Total	Cause	Present	
3	2	1	
5	0	5	
2	2	0	
18	3	15	
7	1	6	
41	9	32	
7	0	7	
0	0	0	
17	1	16	
1	0	1	
44	7	37	
2	1	1	
1	0	1	
1	0	1	
38	3	35	
0	0	0	
14	9	5	
9	6	3	
6	1	5	
1	1	0	
20	9	11	
3	0	3	
2	0	2	
2	0	2	
4	1	3	
248	56	192	

Clonazepam Deaths by Age

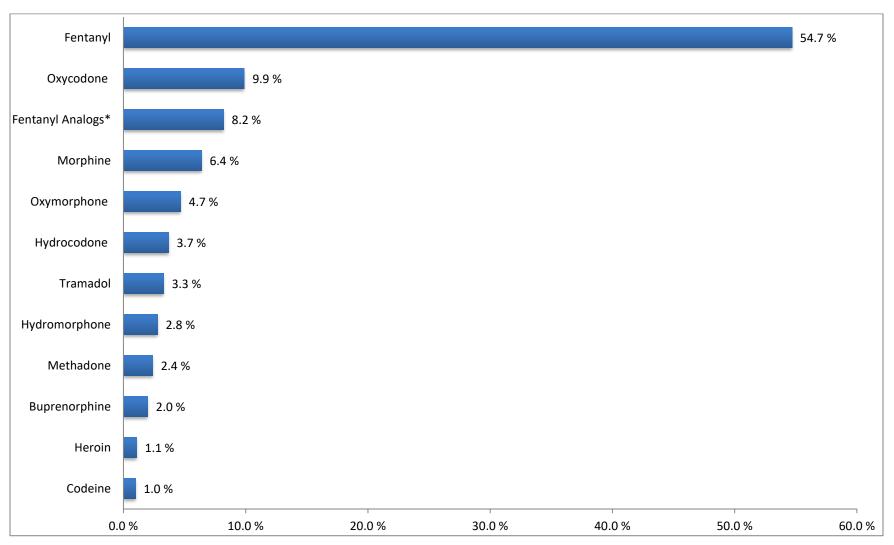
Medical Examiner District and Area of Florida			
District	Area of Florida	Total	
1	Pensacola	3	
2	Tallahassee	5	
3	Live Oak	2	
4	Jacksonville	18	
5	Leesburg	7	
6	St. Petersburg	41	
7	Daytona Beach	7	
8	Gainesville	0	
9	Orlando	17	
10	Lakeland	1	
11	Miami	44	
12	Sarasota	2	
13	Tampa	1	
14	Panama City	1	
15	West Palm Beach	38	
16	Florida Keys	0	
17	Ft. Lauderdale	14	
18	Melbourne	9	
19	Ft. Pierce	6	
20	Naples	1	
21	Ft. Myers	20	
22	Port Charlotte	3	
23	St. Augustine	2	
24	Sanford	2	
25	25 Kissimmee		
Statewide Totals 248			

	Clonazepam Caused Death				
		Age of D	ecedent		
Total	< 18	18-25	26-34	35-50	>50
2	0	0	0	1	1
0	0	0	0	0	0
2	0	0	1	1	0
3	0	0	1	1	1
1	0	0	0	1	0
9	0	0	0	7	2
0	0	0	0	0	0
0	0	0	0	0	0
1	0	0	0	0	1
0	0	0	0	0	0
7	0	1	2	3	1
1	0	0	0	0	1
0	0	0	0	0	0
0	0	0	0	0	0
3	0	0	2	1	0
0	0	0	0	0	0
9	0	0	3	3	3
6	0	0	1	3	2
1	0	0	0	1	0
1	0	0	0	1	0
9	0	1	4	2	2
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
1	0	0	0	0	1
56	0	2	14	25	15

	Clonazepam Present at Death				
		Age of D	ecedent		
Total	<18	18-25	26-34	35-50	>50
1	0	0	0	0	1
5	0	1	1	1	2
0	0	0	0	0	0
15	0	0	6	5	4
6	0	0	3	0	3
32	0	0	6	9	17
7	0	0	1	4	2
0	0	0	0	0	0
16	0	1	3	7	5
1	0	1	0	0	0
37	0	3	7	6	21
1	0	0	0	0	1
1	0	0	0	1	0
1	0	0	0	0	1
35	0	0	10	13	12
0	0	0	0	0	0
5	0	0	1	3	1
3	0	0	1	2	0
5	0	1	0	2	2
0	0	0	0	0	0
11	0	0	0	3	8
3	0	0	2	0	1
2	0	0	2	0	0
2	0	0	0	1	1
3	0	0	1	1	1
192	0	7	44	58	83

Frequency of Occurrence of Opioids

January - June 2023



Note: U-47700 individually constituted less than 1 percent of opioid occurrences and is not included. Percentages may not sum to 100 percent because of rounding. Oxycodone is metabolized to oxymorphone, and thus, occurrences of oxymorphone may represent oxycodone ingestion rather than oxymorphone ingestion. Heroin is metabolized to morphine, and thus, occurrences of morphine may represent heroin ingestion rather than morphine ingestion. Codeine is frequently present in heroin, and thus, codeine occurrences may represent heroin ingestion rather than codeine ingestion.

^{*}Does not include 4-ANPP.

Oxycodone Deaths

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

Total Deaths with Oxycodone			
Total	Cause	Present	
17	7	10	
7	3	4	
4	1	3	
33	16	17	
14	4	10	
51	32	19	
13	6	7	
5	1	4	
30	10	20	
17	3	14	
49	12	37	
20	9	11	
33	21	12	
5	3	2	
63	27	36	
2	1	1	
47	19	28	
28	15	13	
12	4	8	
11	5	6	
24	12	12	
7	3	4	
11	4	7	
2	0	2	
4	2	2	
509	220	289	

Deaths with Oxycodone Only			
Total	Cause	Present	
1	0	1	
0	0	0	
0	0	0	
0	0	0	
3	0	3	
2	2	0	
0	0	0	
1	0	1	
7	3	4	
4	1	3	
2	0	2	
1	0	1	
2	0	2	
0	0	0	
3	1	2	
0	0	0	
5	0	5	
2	0	2	
2	1	1	
2	0	2	
0	0	0	
0	0	0	
2	1	1	
0	0	0	
0	0	0	
39	9	30	

Deaths with Oxycodone in Combination with Other Drugs					
Total					
16	7	9			
7	3	4			
4	1	3			
33	16	17			
11	4	7			
49	30	19			
13	6	7			
4	1	3			
23	7	16			
13	2	11			
47	12	35			
19	9	10			
31	21	10			
5	3	2			
60	26	34			
2	1	1			
42	19	23			
26	15	11			
10	3	7			
9	5	4			
24	12	12			
7	3	4			
9	3	6			
2	0	2			
4	2	2			
470	211	259			

Oxycodone Deaths by Age

Medical Examiner District and Area of Florida				
District	Area of Florida	Total		
1	Pensacola	17		
2	Tallahassee	7		
3	Live Oak	4		
4	Jacksonville	33		
5	Leesburg	14		
6	St. Petersburg	51		
7	Daytona Beach	13		
8	Gainesville	5		
9	Orlando	30		
10	Lakeland	17		
11	Miami	49		
12	Sarasota	20		
13	Tampa	33		
14	Panama City	5		
15	West Palm Beach	63		
16	Florida Keys	2		
17	Ft. Lauderdale	47		
18	Melbourne	28		
19	Ft. Pierce	12		
20	Naples	11		
21	Ft. Myers	24		
22	Port Charlotte	7		
23	St. Augustine	11		
24	Sanford	2		
25 Kissimmee		4		
Stat	Statewide Totals 509			

	Oxycodone Caused Death				
		Age of D	ecedent		
Total	< 18	18-25	26-34	35-50	>50
7	0	0	0	4	3
3	0	0	0	2	1
1	0	0	0	0	1
16	0	0	2	7	7
4	0	0	1	1	2
32	1	0	4	10	17
6	0	0	0	1	5
1	0	0	0	0	1
10	1	2	4	2	1
3	0	1	0	2	0
12	0	4	3	2	3
9	0	0	1	3	5
21	0	1	3	7	10
3	0	0	1	1	1
27	0	0	8	9	10
1	0	0	0	0	1
19	0	1	2	5	11
15	0	0	1	7	7
4	0	0	0	0	4
5	0	0	0	0	5
12	0	0	0	2	10
3	0	0	0	2	1
4	0	0	0	2	2
0	0	0	0	0	0
2	0	0	1	0	1
220	2	9	31	69	109

	Oxycodone Present at Death				
	Age of Decedent				
Total	<18	18-25	26-34	35-50	>50
10	0	2	0	5	3
4	0	0	2	0	2
3	0	0	0	1	2
17	0	1	1	4	11
10	0	0	0	3	7
19	0	3	1	7	8
7	0	1	1	2	3
4	0	0	0	2	2
20	0	1	1	4	14
14	0	1	0	4	9
37	0	6	12	7	12
11	0	0	2	1	8
12	0	1	1	0	10
2	0	0	0	1	1
36	0	3	10	7	16
1	0	0	0	1	0
28	0	4	6	7	11
13	0	0	3	4	6
8	0	0	0	1	7
6	0	0	0	1	5
12	0	0	0	2	10
4	0	0	0	0	4
7	0	0	0	2	5
2	0	0	0	1	1
2	0	0	0	0	2
289	0	23	40	67	159

Hydrocodone Deaths

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

Total Deaths with Hydrocodone			
Total	Cause	Present	
21	9	12	
5	1	4	
3	1	2	
21	3	18	
13	2	11	
14	6	8	
11	7	4	
2	0	2	
9	4	2 5 7	
8	1	7	
6	1	5	
10	3	7	
5	2	3	
4	1	3	
9	5	4	
1	0	1	
3	0	3	
13 2 2	5	8 2 2 5	
2	0	2	
2	0	2	
12	7	5	
8	1	7	
3	0	3	
3	2	1	
2	0	2	
190	61	129	

Deaths with Hydrocodone Only			
Total	Cause	Present	
5	0	5	
1	0	1	
0	0	0	
8	1	7	
2	0	2	
1	0	1	
1	1	0	
1	0	1	
1	0	1	
1	1	0	
0	0	0	
0	0	0	
2	0	2	
0	0	0	
1	1	0	
0	0	0	
1	0	1	
0	0	0	
1	0	1	
0	0	0	
0	0	0	
1	0	1	
1	0	1	
0	0	0	
1	0	1	
29	4	25	

Deaths with Hydrocodone in			
Combination with Other Drugs			
Total	Cause	Present	
16	9	7	
4	1	3	
3	1	2	
13	2	11	
11	2	9	
13	6	7	
10	6	4	
1	0	1	
8	4	4	
7	0	7	
6	1	5	
10	3	7	
3	2	1	
4	1	3	
8	4	4	
1	0	1	
2	0	2	
13	5	8	
1	0	1	
2	0	2	
12	7	5	
7	1	6	
2	0	2	
3	2	1	
1	0	1	
161	57	104	

Hydrocodone Deaths by Age

Medical Examiner District and Area of Florida			
District	Area of Florida	Total	
1	Pensacola	21	
2	Tallahassee	5	
3	Live Oak	3	
4	Jacksonville	21	
5	Leesburg	13	
6	St. Petersburg	14	
7	Daytona Beach	11	
8	Gainesville	2	
9	Orlando	9	
10	Lakeland	8	
11	Miami	6	
12	Sarasota	10	
13	Tampa	5	
14	Panama City	4	
15	West Palm Beach	9	
16	Florida Keys	1	
17	Ft. Lauderdale	3	
18	Melbourne	13	
19	Ft. Pierce	2	
20	Naples	2	
21	Ft. Myers	12	
22	Port Charlotte	8	
23	St. Augustine	3	
24	Sanford	3	
25 Kissimmee 2		2	
Statewide Totals 190			

	Hydrocodone Caused Death				
		Age of De	cedent		
Total	< 18	18-25	26-34	35-50	>50
9	0	1	0	2	6
1	0	0	0	1	0
1	0	0	0	0	1
3	0	0	0	1	2
2	0	0	0	1	1
6	0	0	0	1	5
7	0	0	0	2	5
0	0	0	0	0	0
4	0	0	0	3	1
1	0	0	0	0	1
1	0	0	0	0	1
3	0	0	0	0	3
2	0	0	0	0	2
1	0	0	0	0	1
5	0	0	2	0	3
0	0	0	0	0	0
0	0	0	0	0	0
5	0	0	0	1	4
0	0	0	0	0	0
0	0	0	0	0	0
7	0	0	0	4	3
1	0	0	0	0	1
0	0	0	0	0	0
2	0	0	0	0	2
0	0	0	0	0	0
61	0	1	2	16	42

	Hydrocodone Present at Death				
	Age of Decedent				
Total	<18	18-25	26-34	35-50	>50
12	0	1	1	1	9
4	0	0	1	0	3
2	0	0	0	0	2
18	0	0	1	3	14
11	1	0	0	1	9
8	0	0	2	1	5
4	0	0	0	1	3
2	0	0	0	0	2
5	0	0	0	0	5
7	1	1	0	0	5
5	0	0	0	2	3
7	0	0	0	1	6
3	0	0	0	0	3
3	0	0	0	2	1
4	0	0	0	0	4
1	0	0	0	1	0
3	0	0	0	0	3
8	0	0	0	0	8
2	0	0	0	0	2
2	0	0	0	0	2
5	0	0	0	1	4
7	0	0	1	3	3
3	0	0	1	1	1
1	0	0	0	0	1
2	0	0	0	0	2
129	2	2	7	18	100

Methadone Deaths

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

Total Deaths with Methadone			
Total	Cause	Present	
4	2	2	
0	0	0	
1	1	0	
16	9	7	
6	2	4	
26	16	10	
3	3	0	
1	0	1	
10	3	7	
5	3	2	
3	2	1	
3	1	2	
12	8	4	
0	0	0	
9	5	4	
1	0	1	
4	1	3	
2	2	0	
1	0	1	
0	0	0	
4	0	4	
1	1	0	
2	1	1	
1	1	0	
7	4	3	
122	65	57	

Deaths with Methadone Only			
Total	Cause	Present	
1	1	0	
0	0	0	
0	0	0	
2	1	1	
0	0	0	
3	0	3	
0	0	0	
1	0	1	
4	2	2	
2	1	1	
0	0	0	
1	0	1	
2	2	0	
0	0	0	
0	0	0	
0	0	0	
0	0	0	
0	0	0	
0	0	0	
0	0	0	
1	0	1	
0	0	0	
2	1	1	
0	0	0	
1	0	1	
20	8	12	

Deaths with Methadone in					
Combination with Other Drugs					
Total	Cause	Present			
3	1	2			
0	0	0			
1	1	0			
14	8	6			
6	2	4			
23	16	7			
3	3	0			
0	0	0			
6	1	5			
3	2	1			
3	2	1			
2	1	1			
10	6	4			
0	0	0			
9	5	4			
1	0	1			
4	1	3			
2	2	0			
1	0	1			
0	0	0			
3	0	3			
1	1	0			
0	0	0			
1	1	0			
6	4	2			
102	57	45			

Methadone Deaths by Age

Medical Examiner District and Area of Florida			
District	Area of Florida	Total	
1	Pensacola	4	
2	Tallahassee	0	
3	Live Oak	1	
4	Jacksonville	16	
5	Leesburg	6	
6	St. Petersburg	26	
7	Daytona Beach	3	
8	Gainesville	1	
9	Orlando	10	
10	Lakeland	5	
11	Miami	3	
12	Sarasota	3	
13	Tampa	12	
14	Panama City	0	
15	West Palm Beach	9	
16	Florida Keys	1	
17	Ft. Lauderdale	4	
18	Melbourne	2	
19	Ft. Pierce	1	
20	Naples	0	
21	Ft. Myers	4	
22	Port Charlotte	1	
23	St. Augustine	2	
24	Sanford	1	
25	Kissimmee	7	
Sta	tewide Totals	122	

	Methadone Caused Death				
	Age of Decedent				
Total	<18	18-25	26-34	35-50	>50
2	0	0	0	2	0
0	0	0	0	0	0
1	0	0	0	1	0
9	0	0	3	5	1
2	0	0	0	1	1
16	0	0	1	7	8
3	0	0	0	3	0
0	0	0	0	0	0
3	0	0	1	2	0
3	0	0	1	1	1
2	0	1	0	0	1
1	0	0	0	0	1
8	0	0	1	5	2
0	0	0	0	0	0
5	0	0	0	0	5
0	0	0	0	0	0
1	0	0	0	0	1
2	0	0	1	0	1
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
1	0	0	1	0	0
1	0	0	0	0	1
1	0	0	0	1	0
4	0	0	0	3	1
65	0	1	9	31	24

Methadone Present at Death						
Age of Decedent						
Total	<18	18-25	26-34	35-50	>50	
2	0	0	0	0	2	
0	0	0	0	0	0	
0	0	0	0	0	0	
7	0	0	1	1	5	
4	0	0	0	2	2	
10	0	1	0	4	5	
0	0	0	0	0	0	
1	0	0	0	0	1	
7	0	2	0	2	3	
2	0	0	0	1	1	
1	0	0	0	0	1	
2	0	0	0	1	1	
4	0	1	1	1	1	
0	0	0	0	0	0	
4	0	0	0	2	2	
1	0	0	0	0	1	
3	0	0	1	0	2	
0	0	0	0	0	0	
1	0	0	0	0	1	
0	0	0	0	0	0	
4	0	0	2	0	2	
0	0	0	0	0	0	
1	0	0	0	0	1	
0	0	0	0	0	0	
3	0	0	1	0	2	
57	0	4	6	14	33	

Morphine Deaths

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

Total Deaths with Morphine				
Total	Cause	Present		
19	5	14		
3	0	3		
4	1	3		
18	3	15		
9	4	5		
37	24	13		
3	2	1		
0	0	0		
60	6	54		
18	3	15		
21	8	13		
8	3	5		
19	8	11		
1	0	1		
48	16	32		
1	0	1		
21	8	13		
5	2	3 2		
6	4	2		
5	0	5		
12	7	5		
1	1	0		
6	3	3		
1	1	0		
2	1	1		
328	110	218		

Deaths with Morphine Only				
Total	Cause	Present		
4	0	4		
0	0	0		
0	0	0		
0	0	0		
3	1	2		
2	0	2		
0	0	0		
0	0	0		
9	0	9		
3	2	1		
2	0	2		
2	0	2		
1	0	1		
0	0	0		
0	0	0		
0	0	0		
1	0	1		
0	0	0		
1	0	1		
1	0	1		
1	0	1		
0	0	0		
0	0	0		
0	0	0		
0	0	0		
30	3	27		

Deaths with Morphine in					
	Combination with Other Drugs				
Total	Cause	Present			
15	5	10			
3	0	3			
4	1	3			
18	3	15			
6	3	3			
35	24	11			
3	2	1			
0	0	0			
51	6	45			
15	1	14			
19	8	11			
6	3	3			
18	8	10			
1	0	1			
48	16	32			
1	0	1			
20	8	12			
5	2	3			
5	4	1			
4	0	4			
11	7	4			
1	1	0			
6	3	3			
1	1	0			
2	1	1			
298	107	191			

Morphine Deaths by Age

Medical Examiner District and Area of Florida				
District	Area of Florida	Total		
1	Pensacola	19		
2	Tallahassee	3		
3	Live Oak	4		
4	Jacksonville	18		
5	Leesburg	9		
6	St. Petersburg	37		
7	Daytona Beach	3		
8	Gainesville	0		
9	Orlando	60		
10	Lakeland	18		
11	Miami	21		
12	Sarasota	8		
13	Tampa	19		
14	Panama City	1		
15	West Palm Beach	48		
16	Florida Keys	1		
17	Ft. Lauderdale	21		
18	Melbourne	5		
19	Ft. Pierce	6		
20	Naples	5		
21	Ft. Myers	12		
22	Port Charlotte	1		
23	St. Augustine	6		
24	Sanford	1		
25	Kissimmee	2		
Stat	ewide Totals	328		

	Morphine Caused Death				
		Age of De	ecedent		
Total	<18	18-25	26-34	35-50	>50
5	0	0	0	4	1
0	0	0	0	0	0
1	0	0	0	0	1
3	0	0	0	1	2
4	0	0	0	1	3
24	0	0	1	10	13
2	0	0	0	0	2
0	0	0	0	0	0
6	0	0	0	1	5
3	0	0	0	1	2
8	0	0	1	3	4
3	0	0	0	1	2
8	0	0	1	1	6
0	0	0	0	0	0
16	0	0	5	5	6
0	0	0	0	0	0
8	0	0	2	2	4
2	0	0	0	0	2
4	0	1	0	2	1
0	0	0	0	0	0
7	0	0	0	3	4
1	0	0	0	1	0
3	0	0	0	2	1
1	0	0	0	1	0
1	0	0	0	1	0
110	0	1	10	40	59

Morphine Present at Death						
	Age of Decedent					
Total	<18	18-25	26-34	35-50	>50	
14	0	0	0	4	10	
3	0	0	0	2	1	
3	0	0	0	2	1	
15	0	0	4	2	9	
5	0	0	0	0	5	
13	0	0	0	1	12	
1	0	0	0	1	0	
0	0	0	0	0	0	
54	1	0	0	5	48	
15	1	1	1	0	12	
13	0	0	1	2	10	
5	0	0	1	1	3	
11	0	0	3	1	7	
1	0	0	0	1	0	
32	0	3	0	12	17	
1	0	0	0	0	1	
13	0	1	2	3	7	
3	0	0	1	1	1	
2	0	0	0	0	2	
5	0	0	0	2	3	
5	0	0	1	0	4	
0	0	0	0	0	0	
3	0	0	0	1	2	
0	0	0	0	0	0	
1	0	0	0	0	1	
218	2	5	14	41	156	

Fentanyl Deaths

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

Total Deaths with Fentanyl			
Total	Cause	Present	
140	124	16	
21	19	2	
14	14	0	
269	240	29	
106	98	8	
329	316	13	
115	109	6	
34	33	1	
233	187	46	
59	48	11	
173	143	30	
120	107	13	
202	192	10	
23	20	3	
261	230	31	
8	8	0	
230	212	18	
99	85	14	
72	66	6	
43	37	6	
110	104	6	
16	13	3	
42	38	4	
29	28	1	
74	70	4	
2,822	2,541	281	

Deaths with Fentanyl Only			
Total	Cause	Present	
12	8	4	
3	2	1	
1	1	0	
32	29	3	
13	12	1	
22	20	2	
15	14	1	
13	13	0	
21	16	5	
5	4	1	
6	5	1	
5	4	1	
28	28	0	
5	4	1	
14	6	8	
0	0	0	
21	17	4	
4	3	1	
7	7	0	
6	5	1	
16	15	1	
3	3	0	
8	7	1	
3	3	0	
6	6	0	
269	232	37	

Deaths with Fentanyl in				
	Combination with Other Drugs			
Total	Cause	Present		
128	116	12		
18	17	1		
13	13	0		
237	211	26		
93	86	7		
307	296	11		
100	95	5		
21	20	1		
212	171	41		
54	44	10		
167	138	29		
115	103	12		
174	164	10		
18	16	2		
247	224	23		
8	8	0		
209	195	14		
95	82	13		
65	59	6		
37	32	5		
94	89	5		
13	10	3		
34	31	3		
26	25	1		
68	64	4		
2,553	2,309	244		

Fentanyl Deaths by Age

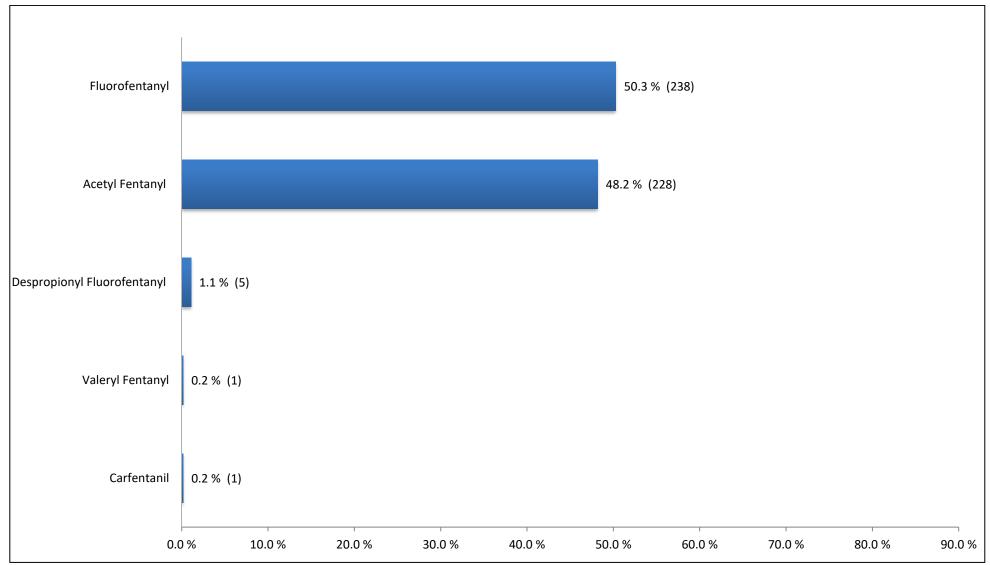
Medical Examiner District and Area of Florida			
District	Area of Florida	Total	
1	Pensacola	140	
2	Tallahassee	21	
3	Live Oak	14	
4	Jacksonville	269	
5	Leesburg	106	
6	St. Petersburg	329	
7	Daytona Beach	115	
8	Gainesville	34	
9	Orlando	233	
10	Lakeland	59	
11	Miami	173	
12	Sarasota	120	
13	Tampa	202	
14	Panama City	23	
15	West Palm Beach	261	
16	Florida Keys	8	
17	Ft. Lauderdale	230	
18	Melbourne	99	
19	Ft. Pierce	72	
20	Naples	43	
21	Ft. Myers	110	
22	Port Charlotte	16	
23	St. Augustine	42	
24	Sanford	29	
25	Kissimmee	74	
Stat	2,822		

	Fe	entanyl Ca	used Dea	th	
		Age of D	Decedent		
Total	<18	18-25	26-34	35-50	>50
124	0	7	23	48	46
19	1	0	4	10	4
14	0	0	3	6	5
240	4	8	51	110	67
98	0	5	20	42	31
316	2	14	59	139	102
109	0	6	18	59	26
33	0	1	10	11	11
187	2	8	50	76	51
48	0	4	8	22	14
143	1	15	41	40	46
107	1	4	21	51	30
192	1	9	38	91	53
20	0	4	1	10	5
230	0	12	64	96	58
8	0	1	1	3	3
212	0	20	50	88	54
85	0	3	23	38	21
66	0	7	18	27	14
37	0	2	8	15	12
104	1	4	23	38	38
13	0	0	4	4	5
38	0	2	5	18	13
28	0	1	5	11	11
70	0	7	10	34	19
2,541	13	144	558	1,087	739

Fentanyl Present at Death					
		Age of I	Decedent		
Total	<18	18-25	26-34	35-50	>50
16	1	1	3	2	9
2	0	0	1	0	1
0	0	0	0	0	0
29	0	0	6	13	10
8	0	0	1	3	4
13	0	0	3	7	3
6	0	0	0	3	3
1	0	0	0	0	1
46	1	2	4	9	30
11	0	1	2	3	5
30	1	4	6	6	13
13	0	2	4	6	1
10	0	2	3	3	2
3	0	0	0	2	1
31	2	4	6	10	9
0	0	0	0	0	0
18	1	0	6	2	9
14	0	0	3	6	5
6	0	1	1	4	0
6	0	0	1	3	2
6	1	0	1	1	3
3	0	0	1	1	1
4	0	0	1	1	2
1	0	0	0	1	0
4	0	0	1	1	2
281	7	17	54	87	116

Frequency of Occurrence of Fentanyl Analogs

January – June 2023



Note: Fluorobutyryl / Fluoroisobutyryl fentanyl includes the analytes para-fluoroisobutyryl fentanyl, para-fluorobutyryl fentanyl, fluoroisobutyryl fentanyl fentanyl, fluoroisobutyryl fentanyl, fluorofentanyl includes the analytes fluorofentanyl, ortho-fluorofentanyl and para-fluorofentanyl. Percentages may not sum to 100 percent because of rounding.

Fentanyl Analog* Deaths

January – June 2023

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

Total Deaths with			
	tanyl Analo	gs	
Total	Cause	Present	
16	15	1	
7	7	0	
2	2	0	
27	25	2	
7	5	2	
32	22	10	
6	5	1	
3	1	2	
3	3	0	
18	4	14	
46	40	6	
30	8	22	
2	1	1	
6	6	0	
95	93	2	
1	0	1	
92	86	6	
1	0	1	
2	2	0	
8	1	7	
10	10	0	
1	1	0	
3	3	0	
2	1	1	
2	2	0	
422	343	79	

Deaths with Fentanyl Analogs Only				
Total	Cause Present			
1	1	0		
0	0	0		
0	0	0		
0	0	0		
0	0	0		
0	0	0		
0	0	0		
0	0	0		
0	0	0		
0	0	0		
0	0	0		
0	0	0		
0	0	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		
1	1	0		

Deaths with Fentanyl Analogs in			
Combination with Other Drugs			
Total	Cause	Present	
15	14	1	
7	7	0	
2	2	0	
27	25	2	
7	5	2	
32	22	10	
6	5	1	
3	1	2	
3	3	0	
18	4	14	
46	40	6	
30	8	22	
2	1	1	
6	6	0	
95	93	2	
1	0	1	
92	86	6	
1	0	1	
2	2	0	
8	1	7	
10	10	0	
1	1	0	
3	3	0	
2	1	1	
2	2	0	
421	342	79	

*Does not include 4-ANPP.

Fentanyl Analog* Deaths by Age

January – June 2023

Medical Examiner District and Area of Florida			
District	Area of Florida	Total	
1	Pensacola	16	
2	Tallahassee	7	
3	Live Oak	2	
4	Jacksonville	27	
5	Leesburg	7	
6	St. Petersburg	32	
7	Daytona Beach	6	
8	Gainesville	3	
9	Orlando	3	
10	Lakeland	18	
11	Miami	46	
12	Sarasota	30	
13	Tampa	2	
14	Panama City	6	
15	West Palm Beach	95	
16	Florida Keys	1	
17	Ft. Lauderdale	92	
18	Melbourne	1	
19	Ft. Pierce	2	
20	Naples	8	
21	Ft. Myers	10	
22	Port Charlotte	1	
23	St. Augustine	3	
24	Sanford	2	
25	Kissimmee	2	
Sta	422		

	Fentanyl Analogs Caused Death				
		Age of D	ecedent		
Total	<18	18-25	26-34	35-50	>50
15	0	0	5	7	3
7	0	0	2	4	1
2	0	0	2	0	0
25	1	1	4	10	9
5	0	0	0	2	3
22	0	1	4	12	5
5	0	1	1	1	2
1	0	0	1	0	0
3	0	0	2	0	1
4	0	1	1	2	0
40	0	3	12	9	16
8	0	1	2	5	0
1	0	0	0	1	0
6	0	1	0	3	2
93	0	5	29	41	18
0	0	0	0	0	0
86	0	10	19	39	18
0	0	0	0	0	0
2	0	0	1	1	0
1	0	0	1	0	0
10	0	1	0	7	2
1	0	0	1	0	0
3	0	0	0	1	2
1	0	0	0	0	1
2	0	0	0	2	0
343	1	25	87	147	83

	Fentanyl Analogs Present at Death				
Age of Decedent					
Total	<18	18-25	26-34	35-50	>50
1	0	0	1	0	0
0	0	0	0	0	0
0	0	0	0	0	0
2	0	0	0	2	0
2	0	0	0	1	1
10	0	0	3	3	4
1	0	0	1	0	0
2	0	0	1	0	1
0	0	0	0	0	0
14	0	0	3	6	5
6	0	0	2	2	2
22	0	1	5	13	3
1	0	0	0	1	0
0	0	0	0	0	0
2	0	0	1	0	1
1	0	0	0	0	1
6	0	0	2	1	3
1	0	0	0	1	0
0	0	0	0	0	0
7	0	0	4	2	1
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
1	0	0	0	0	1
0	0	0	0	0	0
79	0	1	23	32	23

*Does not include 4-ANPP.

Heroin Deaths

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

Total Deaths with Heroin			
Total	Cause	Present	
4	4	0	
0	0	0	
0	0	0	
2	2	0	
1	1	0	
9	8	1	
0	0	0	
2	2	0	
2	2	0	
0	0	0	
5	5	0	
2	2	0	
1	1	0	
1	1	0	
17	9	8	
0	0	0	
10	6	4	
0	0	0	
0	0	0	
0	0	0	
1	1	0	
0	0	0	
0	0	0	
0	0	0	
0	0	0	
57	44	13	

Deaths with Heroin Only			
Total	Cause	Present	
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	
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	

Deaths with Heroin in Combination with Other Drugs			
Total	Cause	Present	
4	4	0	
0	0	0	
0	0	0	
2	2	0	
1	1	0	
9	8	1	
0	0	0	
2	2	0	
2	2	0	
0	0	0	
5	5	0	
2	2	0	
1	1	0	
1	1	0	
17	9	8	
0	0	0	
10	6	4	
0	0	0	
0	0	0	
0	0	0	
1	1	0	
0	0	0	
0	0	0	
0	0	0	
0	0	0	
57	44	13	

Heroin Deaths by Age

Medical Examiner District and Area of Florida				
District	Area of Florida	Total		
1	Pensacola	4		
2	Tallahassee	0		
3	Live Oak	0		
4	Jacksonville	2		
5	Leesburg	1		
6	St. Petersburg	9		
7	Daytona Beach	0		
8	Gainesville	2		
9	Orlando	2		
10	Lakeland	0		
11	Miami	5		
12	Sarasota	2		
13	Tampa	1		
14	Panama City	1		
15	West Palm Beach	17		
16	Florida Keys	0		
17	Ft. Lauderdale	10		
18	Melbourne	0		
19	Ft. Pierce	0		
20	Naples	0		
21	Ft. Myers	1		
22	Port Charlotte	0		
23	St. Augustine	0		
24	Sanford	0		
25	Kissimmee	0		
Sta	Statewide Totals 57			

	Heroin Caused Death				
		Age of D	ecedent		
Total	<18	18-25	26-34	35-50	>50
4	0	0	0	1	3
0	0	0	0	0	0
0	0	0	0	0	0
2	0	0	1	1	0
1	0	0	0	0	1
8	0	0	1	4	3
0	0	0	0	0	0
2	0	0	0	1	1
2	0	0	0	0	2
0	0	0	0	0	0
5	0	0	0	1	4
2	0	0	1	1	0
1	0	0	0	1	0
1	0	0	0	1	0
9	0	0	3	5	1
0	0	0	0	0	0
6	0	1	1	2	2
0	0	0	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
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
44	0	1	7	19	17

	Н	eroin Pres	ent at Dea	ith	
Age of Decedent					
Total	<18	18-25	26-34	35-50	>50
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
1	0	0	0	0	1
0	0	0	0	0	0
0	0	0	0	0	0
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
8	0	0	0	4	4
0	0	0	0	0	0
4	0	1	2	0	1
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
13	0	1	2	4	6

Cocaine Deaths

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

Total Deaths with Cocaine			
Total	Cause	Present	
59	48	11	
8	2	6	
5	4	1	
154	114	40	
37	29	8	
184	121	63	
48	31	17	
18	11	7	
160	118	42	
47	31	16	
222	148	74	
72	44	28	
104	65	39	
7	5	2	
188	97	91	
12	7	5	
158	115	43	
37	22	15	
39	24	15	
26	17	9	
49	27	22	
5	0	5	
21	12	9	
15	14	1	
58	43	15	
1,733	1,149	584	

Deaths	Deaths with Cocaine Only			
Total	Cause	Present		
11	9	2		
0	0	0		
1	1	0		
13	9	4		
6	6	0		
11	4	7		
7	3	4		
9	5	4		
22	17	5		
9	8	1		
23	12	11		
10	5	5		
21	9	12		
0	0	0		
13	10	3		
0	0	0		
18	11	7		
8	3	5		
2	0	2		
3	0	3		
4	2	2		
0	0	0		
5	3	2		
3	3	0		
3	1	2		
202	121	81		

Deaths with Cocaine in						
Combination with Other Drugs						
Total	Cause	Present				
48	39	9				
8	2	6				
4	3	1				
141	105	36				
31	23	8				
173	117	56				
41	28	13				
9	6	3				
138	101	37				
38	23	15				
199	136	63				
62	39	23				
83	56	27				
7	5	2				
175	87	88				
12	7	5				
140	104	36				
29	19	10				
37	24	13				
23	17	6				
45	25	20				
5	0	5				
16	9	7				
12	11	1				
55	42	13				
1,531	1,028	503				

Cocaine Deaths by Age

Medical Examiner District and Area of Florida			
District	Area of Florida	Total	
1	Pensacola	59	
2	Tallahassee	8	
3	Live Oak	5	
4	Jacksonville	154	
5	Leesburg	37	
6	St. Petersburg	184	
7	Daytona Beach	48	
8	Gainesville	18	
9	Orlando	160	
10	Lakeland	47	
11	Miami	222	
12	Sarasota	72	
13	Tampa	104	
14	Panama City	7	
15	West Palm Beach	188	
16	Florida Keys	12	
17	Ft. Lauderdale	158	
18	Melbourne	37	
19	Ft. Pierce	39	
20	Naples	26	
21	Ft. Myers	49	
22	Port Charlotte	5	
23	St. Augustine	21	
24	Sanford	15	
25	Kissimmee	58	
Sta	1,733		

	Cocaine Caused Death					
Age of Decedent						
Total	<18	18-25	26-34	35-50	>50	
48	0	3	5	12	28	
2	0	0	0	2	0	
4	0	0	0	4	0	
114	0	1	14	50	49	
29	0	1	4	6	18	
121	1	5	24	49	42	
31	0	2	3	11	15	
11	0	0	1	5	5	
118	1	3	23	44	47	
31	0	1	1	14	15	
148	0	10	33	40	65	
44	0	1	8	18	17	
65	0	1	6	23	35	
5	0	1	0	3	1	
97	0	2	19	42	34	
7	0	0	1	3	3	
115	0	7	17	53	38	
22	0	1	5	7	9	
24	0	2	3	10	9	
17	0	2	2	6	7	
27	0	1	5	10	11	
0	0	0	0	0	0	
12	0	0	0	5	7	
14	0	1	2	4	7	
43	0	6	6	20	11	
1,149	2	51	182	441	473	

Cocaine Present at Death								
Age of Decedent								
Total	<18	18-25	26-34	35-50	>50			
11	0	2	1	3	5			
6	0	0	0	2	4			
1	0	0	0	1	0			
40	0	0	3	16	21			
8	0	1	1	5	1			
63	0	4	15	21	23			
17	0	1	4	9	3			
7	0	0	2	1	4			
42	0	5	9	16	12			
16	0	2	1	7	6			
74	1	11	15	28	19			
28	1	2	4	12	9			
39	0	3	5	17	14			
2	0	0	0	1	1			
91	0	2	35	30	24			
5	0	0	1	2	2			
43	0	4	10	10	19			
15	0	0	2	6	7			
15	0	0	2	7	6			
9	0	0	3	3	3			
22	0	2	4	11	5			
5	0	0	1	4	0			
9	0	0	3	3	3			
1	0	0	1	0	0			
15	0	1	2	8	4			
584	2	40	124	223	195			

Methamphetamine Deaths

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

	Total Deaths with			
	Methamphetamine			
Total	Cause	Present		
131	98	33		
23	13	10		
20	11	9		
136	104	32		
96	78	18		
201	166	35		
66	52	14		
19	12	7		
66	45	21		
78	54	24		
53	29	24		
50	34	16		
86	74	12		
26	13	13		
31	18	13		
2	2	0		
44	26	18		
51	43	8		
27	22	5		
20	14	6		
63	46	17		
11	6	5		
20	16	4		
11	8	3 7		
18	11	7		
1.349	995	354		

Deaths with			
Methamphetamine Only			
Total	Cause	Present	
1	1	0	
1	0	1	
1	1	0	
1	1	0	
2	2	0	
3	0	3	
0	0	0	
2	0	2	
4	3	1	
3	3	0	
1	1	0	
2	0	2	
3	2	1	
0	0	0	
0	0	0	
0	0	0	
0	0	0	
0	0	0	
4	3	1	
0	0	0	
1	0	1	
0	0	0	
0	0	0	
0	0	0	
1	0	1	
30	17	13	

Deaths with Methamphetamine in Combination with Other Drugs			
Total	Cause	Present	
130	97	33	
22	13	9	
19	10	9	
135	103	32	
94	76	18	
198	166	32	
66	52	14	
17	12	5	
62	42	20	
75	51	24	
52	28	24	
48	34	14	
83	72	11	
26	13	13	
31	18	13	
2	2	0	
44	26	18	
51	43	8	
23	19	4	
20	14	6	
62	46	16	
11	6	5	
20	16	4	
11	8	3	
17	11	6	
1,319	978	341	

Methamphetamine Deaths by Age

Medical Examiner District and Area of Florida			
District	Area of Florida	Total	
1	Pensacola	131	
2	Tallahassee	23	
3	Live Oak	20	
4	Jacksonville	136	
5	Leesburg	96	
6	St. Petersburg	201	
7	Daytona Beach	66	
8	Gainesville	19	
9	Orlando	66	
10	Lakeland	78	
11	Miami	53	
12	Sarasota	50	
13	Tampa	86	
14	Panama City	26	
15	West Palm Beach	31	
16	Florida Keys	2	
17	Ft. Lauderdale	44	
18	Melbourne	51	
19	Ft. Pierce	27	
20	Naples	20	
21	Ft. Myers	63	
22	Port Charlotte	11	
23	St. Augustine	20	
24	Sanford	11	
25	25 Kissimmee		
Sta	1,349		

	Methamphetamine Caused Death				
		Age of D	ecedent		
Total	<18	18-25	26-34	35-50	>50
98	0	3	15	42	38
13	0	0	4	7	2
11	0	0	0	8	3
104	0	0	29	46	29
78	0	3	12	29	34
166	0	4	26	75	61
52	0	0	8	29	15
12	0	0	3	4	5
45	0	1	11	22	11
54	2	2	7	20	23
29	0	4	8	12	5
34	0	1	7	19	7
74	0	1	10	38	25
13	0	1	0	7	5
18	0	0	6	6	6
2	0	0	0	0	2
26	0	0	10	8	8
43	0	2	9	17	15
22	0	1	5	13	3
14	0	0	3	8	3
46	0	0	9	23	14
6	0	0	1	2	3
16	0	0	2	7	7
8	0	0	2	3	3
11	0	0	1	9	1
995	2	23	188	454	328

Methamphetamine Present at Death					
Age of Decedent					
Total	<18	18-25	26-34	35-50	>50
33	1	3	9	12	8
10	0	0	4	2	4
9	0	0	1	3	5
32	0	0	6	20	6
18	0	0	1	14	3
35	1	2	8	19	5
14	0	0	2	5	7
7	0	0	1	2	4
21	0	1	8	9	3
24	0	2	7	12	3
24	0	3	8	11	2
16	0	1	2	9	4
12	0	2	2	3	5
13	0	1	1	6	5
13	0	1	3	6	3
0	0	0	0	0	0
18	0	2	4	10	2
8	0	0	3	3	2
5	0	0	0	5	0
6	0	0	2	2	2
17	0	0	3	6	8
5	0	0	2	3	0
4	0	0	1	2	1
3	0	0	1	2	0
7	0	0	3	3	1
354	2	18	82	169	83

Xylazine Deaths

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

Total Deaths with Xylazine				
Total	Cause	Present		
0	0	0		
0	0	0		
1	0	1		
76	38	38		
0	0	0		
26	10	16		
8	8	0		
0	0	0		
5	4	1		
10	3	7		
46	31	15		
41	5	36		
0	0	0		
0	0	0		
15	15	0		
2	0	2		
22	18	4		
1	1	0		
2	2	0		
3	0	3		
12	12	0		
0	0	0		
7	7	0		
0	0	0		
1	1	0		
278	155	123		

Deaths with Xylazine Only			
Total	Cause	Present	
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	
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	

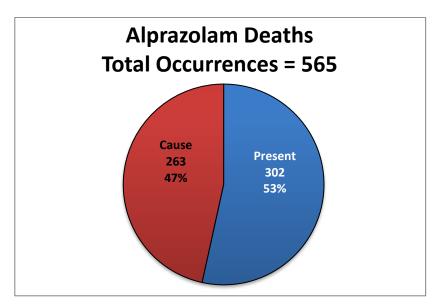
Deaths with Xylazine in			
Combination with Other Drugs			
Total	Cause	Present	
0	0	0	
0	0	0	
1	0	1	
76	38	38	
0	0	0	
26	10	16	
8	8	0	
0	0	0	
5	4	1	
10	3	7	
46	31	15	
41	5	36	
0	0	0	
0	0	0	
15	15	0	
2	0	2	
22	18	4	
1	1	0	
2	2	0	
3	0	3	
12	12	0	
0	0	0	
7	7	0	
0	0	0	
1	1	0	
278	155	123	

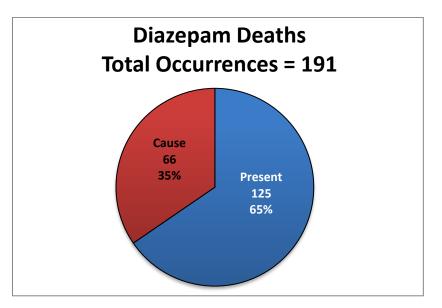
Xylazine Deaths by Age

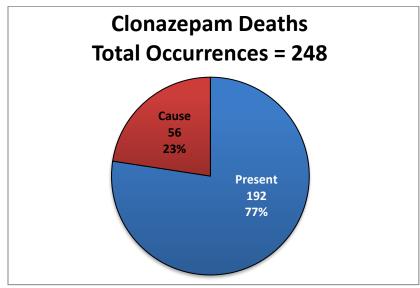
Medical Examiner District and Area of Florida			
District	Area of Florida	Total	
1	Pensacola	0	
2	Tallahassee	0	
3	Live Oak	1	
4	Jacksonville	76	
5	Leesburg	0	
6	St. Petersburg	26	
7	Daytona Beach	8	
8	Gainesville	0	
9	Orlando	5	
10	Lakeland	10	
11	Miami	46	
12	Sarasota	41	
13	Tampa	0	
14	Panama City	0	
15	West Palm Beach	15	
16	Florida Keys	2	
17	Ft. Lauderdale	22	
18	Melbourne	1	
19	Ft. Pierce	2	
20	Naples	3	
21	Ft. Myers	12	
22	Port Charlotte	0	
23	St. Augustine	7	
24	Sanford	0	
25	Kissimmee	1	
Sta	278		

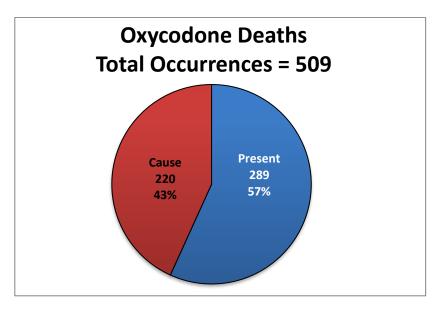
Xylazine Caused Death									
Age of Decedent									
Total	<18	18-25	26-34	35-50	>50				
0	0	0	0	0	0				
0	0	0	0	0	0				
0	0	0	0	0	0				
38	0	0	9	16	13				
0	0	0	0	0	0				
10	0	0	1	7	2				
8	0	0	3	3	2				
0	0	0	0	0	0				
4	0	0	2	0	2				
3	0	0	0	1	2				
31	0	6	7	8	10				
5	0	0	1	4	0				
0	0	0	0	0	0				
0	0	0	0	0	0				
15	0	0	4	7	4				
0	0	0	0	0	0				
18	0	3	5	6	4				
1	0	0	0	1	0				
2	0	1	0	1	0				
0	0	0	0	0	0				
12	0	0	2	7	3				
0	0	0	0	0	0				
7	0	1	2	4	0				
0	0	0	0	0	0				
1	0	0	0	1	0				
155	0	11	36	66	42				

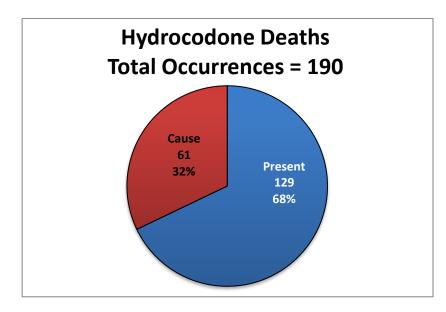
Xylazine Present at Death									
Age of Decedent									
Total	<18	18-25	26-34	35-50	>50				
0	0	0	0	0	0				
0	0	0	0	0	0				
1	0	0	0	0	1				
38	0	1	11	17	9				
0	0	0	0	0	0				
16	0	0	3	8	5				
0	0	0	0	0	0				
0	0	0	0	0	0				
1	0	0	1	0	0				
7	0	0	2	3	2				
15	0	3	5	2	5				
36	0	0	13	15	8				
0	0	0	0	0	0				
0	0	0	0	0	0				
0	0	0	0	0	0				
2	0	0	0	0	2				
4	0	1	1	1	1				
0	0	0	0	0	0				
0	0	0	0	0	0				
3	0	1	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				
0	0	0	0	0	0				
123	0	6	36	48	33				

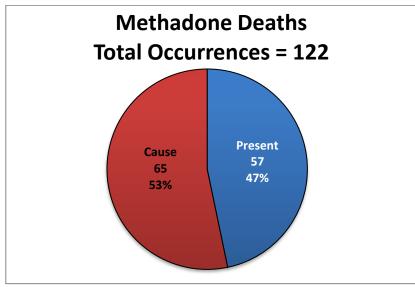


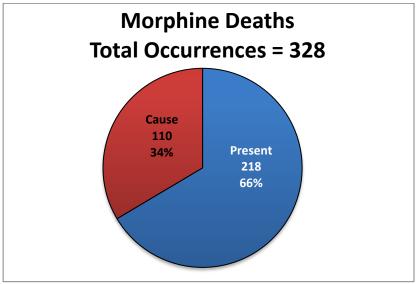


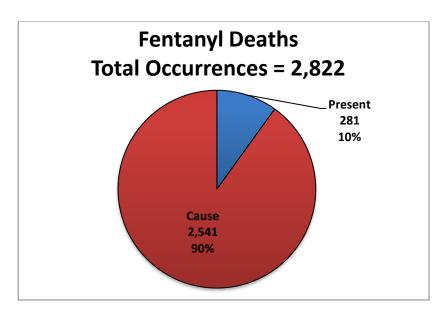


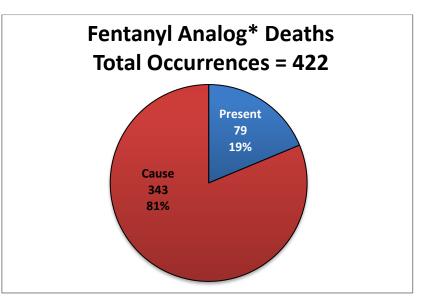


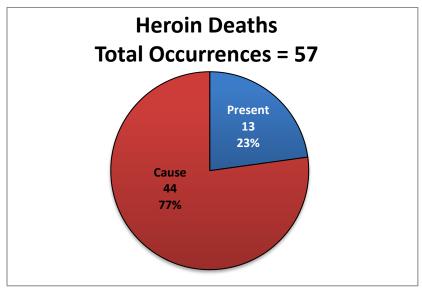




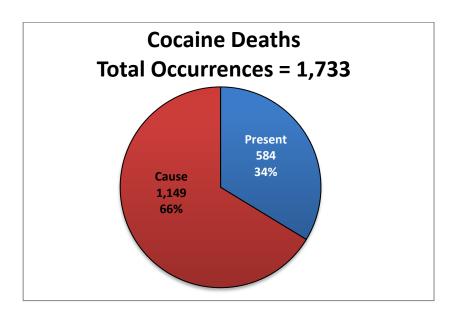


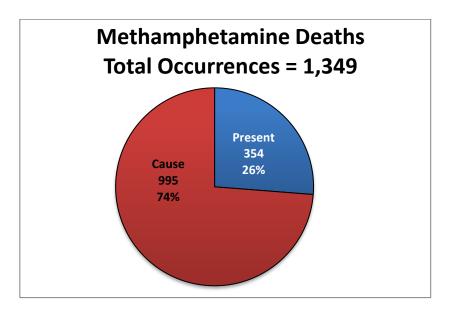


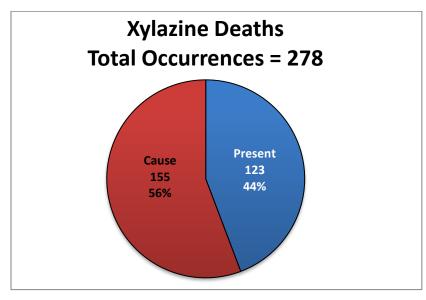




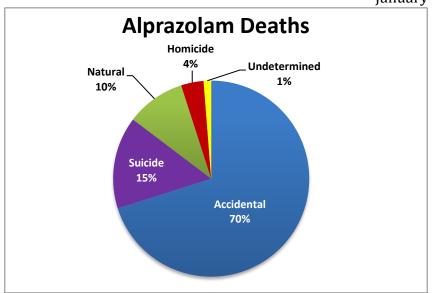
^{*}Does not include 4-ANPP.

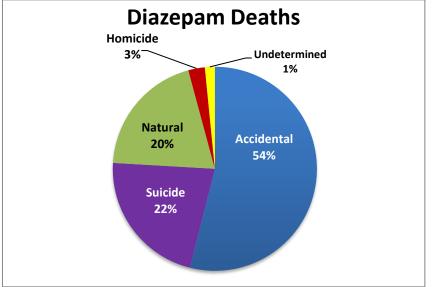


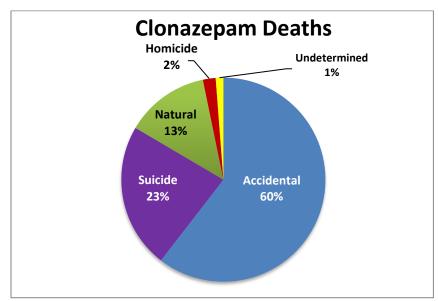




(Accidental, Homicide, Natural, Suicide, or Undetermined)

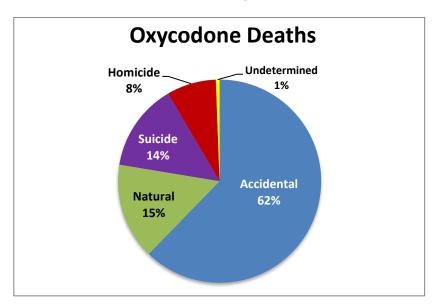


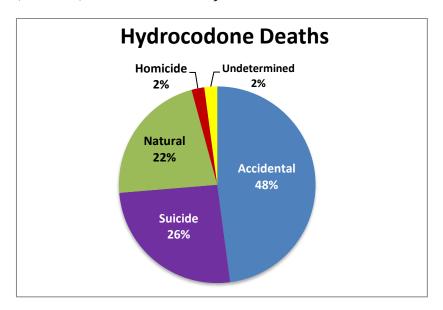


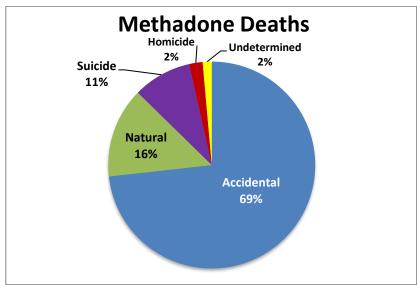


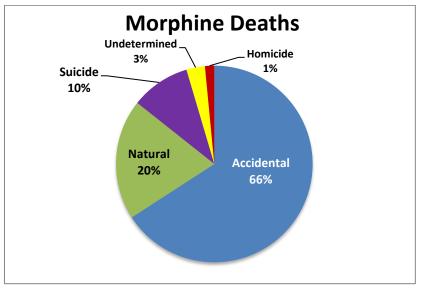
^{**}Due to rounding, sum may not add up to 100.

(Accidental, Homicide, Natural, Suicide, or Undetermined)

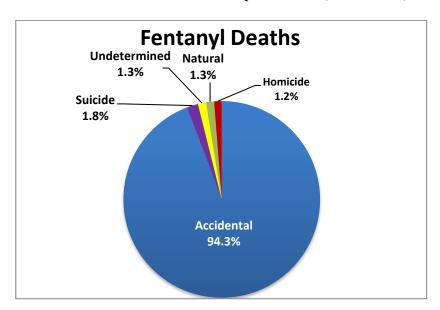


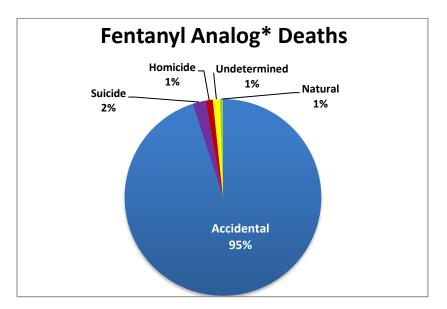


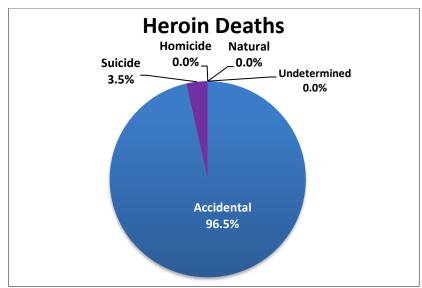




(Accidental, Homicide, Natural, Suicide, or Undetermined)

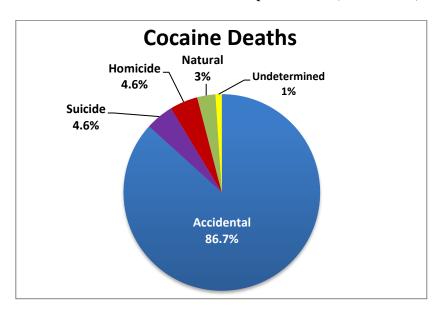


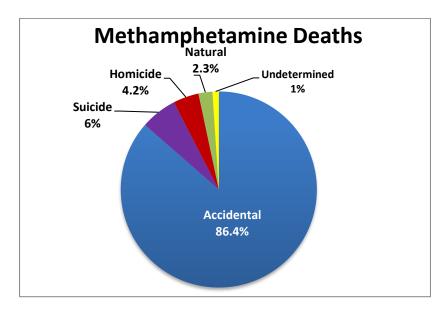


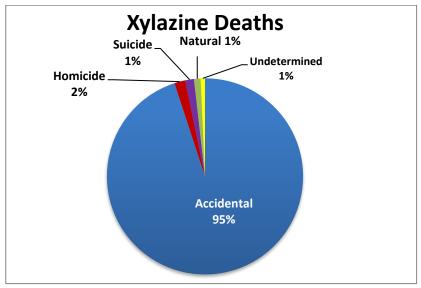


^{*}Does not include 4-ANPP. **Due to rounding, sum may not add up to 100.

(Accidental, Homicide, Natural, Suicide, or Undetermined)







^{**}Due to rounding, sum may not add up to 100.

Glossary

4-ANPP (despropionyl fentanyl) – A precursor chemical used in the manufacture of illicit fentanyl. 4-ANPP is also a metabolite of illicit fentanyl and fentanyl-related analogs.

Amphetamines – A group of synthetic psychoactive drugs called central nervous system (CNS) stimulants. The collective group of amphetamines includes amphetamine, dextroamphetamine and methamphetamine. Methamphetamine is also known as "meth," "crank," "speed" and "tina." Methamphetamine is metabolized to amphetamine and thus, occurrences of amphetamine may represent methamphetamine ingestion rather than amphetamine ingestion.

Benzodiazepines – A family of sedative-hypnotic drugs indicated for the treatment of stress, anxiety, seizures and alcohol withdrawal. Benzodiazepines are often referred to as "minor tranquilizers." Xanax (alprazolam) and Valium (diazepam) are the most commonly prescribed drugs in this drug class. Many benzodiazepines are interconverted to one another, making occurrences of these drugs difficult to interpret. Exceptions include alprazolam, clonazepam, lorazepam and midazolam.

Buprenorphine – A semi-synthetic opioid known as Buprenex, Suboxone and Subutex indicated for the treatment of opioid addiction and moderate to severe pain.

Cannabinoids – A series of compounds found in the marijuana plant, the most psychoactive of which is THC, a strong, illicit hallucinogen. Street names for this drug are often associated with a geographic area from which it came but also include generic names like "ganja," "MJ," "ragweed," "reefer" and "grass."

Carisoprodol – Muscle relaxant indicated for the treatment of pain, muscle spasms and limited mobility. It is often abused in conjunction with analgesics for enhanced euphoric effect. It is marketed as Soma.

Cathinones – A family of drugs containing one or more synthetic chemicals related to cathinone, an amphetamine-like stimulant found naturally in the Khat plant. They are cousins of MDMA and the amphetamine family of drugs, which includes amphetamine and methamphetamine.

Cocaine – An illicit stimulant. Powdered cocaine goes by many street names including "C," "blow," "snow" and "nose candy," while freebase cocaine is mostly commonly known as "crack."

Ethanol – Ethyl alcohol.

Fentanyl – Synthetic opioid analgesic supplied in transdermal patches and also available for oral, nasal, intravenous and spinal administration. Fentanyl is also produced illicitly and currently most fentanyl occurrences represent the ingestion of illicit fentanyl rather than pharmaceutically manufactured fentanyl.

Glossary (Continued)

Fentanyl Analog – A synthetic opioid structurally similar to fentanyl. Many analogs of fentanyl are pharmacologically more potent than fentanyl. Carfentanil is an analog of fentanyl approved for veterinary use only.

Flunitrazepam (Rohypnol) – Commonly referred to as a "date rape" drug. It is a sedative-hypnotic drug in the benzodiazepine class. It often goes by the street name "roofies."

Gabapentin – An anti-epileptic drug also called an anticonvulsant to treat neuropathic pain (nerve pain) caused by herpes virus.

Gamma-Hydroxybutyric Acid (GHB) – A depressant, also known as a "date rape" drug. GHB often goes by the street name "easy lay," "scoop," "liquid X," "Georgia home boy" and "grievous bodily harm."

Hallucinogenic Phenethylamines/Piperazines – Includes such drugs as MDMA (Ecstasy, a hallucinogen), MDA (a psychedelic), MDEA (a psychedelic hallucinogenic) and piperazine derivatives. Ecstasy has multiple street names including "Molly," "E," "XTC," "love drug" and "clarity." MDMA is often also known by a large variety of embossed logos on the pills such as "Mitsubishis" and "Killer Bees."

Hallucinogenic Tryptamines – Natural tryptamines are commonly available in preparations of dried or brewed mushrooms, while tryptamine derivatives are sold in capsule, tablet, powder, or liquid forms. Street names include "Foxy-Methoxy," "alpha-O" and "5-MEO."

Halogenated Inhalants – Includes but is not limited to: halogenated hydrocarbons, especially refrigerants such as difluoroethane, which is a component of "compressed air" electronics cleaners; these and similar halogenated substances are typically used illicitly as inhalants.

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

Hydrocarbon Inhalants – Includes toluene, benzene, components of gasoline and other similar hydrocarbons typically used illicitly as inhalants.

Hydrocodone – A narcotic analgesic (pain killer). Vicodin and Lortab are two common drugs containing hydrocodone.

Hydromorphone – A narcotic analgesic (pain killer) used to treat moderate to severe pain. Marketed under the trade name Dilaudid, it is two to eight times more potent than morphine. Commonly used by abusers as a substitute for heroin.

Ketamine – An animal tranquilizer and a chemical relative of PCP. Street names for this drug include "special K," "vitamin K" and "cat valium."

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 and 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.

Mitragynine – An alkaloid found in the Kratom plant, which is consumed for its stimulant and analgesic (opioid-like) effects. The leaves of the Kratom plant, either whole or crushed, are smoked, chewed or prepared as a tea. In addition, plant extract containing mitragynine is available in tablets and capsules.

Morphine – A narcotic analgesic (pain killer) used to treat moderate to severe pain. MS (Morphine Sulfate), Kadian and MS-Contin are the tablet forms; Roxanol is the liquid form. Heroin is metabolized to morphine, and thus, occurrences of morphine may represent heroin ingestion rather than morphine ingestion.

Nitrous Oxide (N2O) – Also known as "laughing gas," is an inhalant (gas) that produces light anesthesia and analgesia. "Whippets" are a common form of nitrous oxide.

Oxycodone – A narcotic analgesic (pain killer). OxyContin is one form of this drug and goes by the street name "OC." Percocet, Percodan, Roxicet, Tylox and Roxicodone also contain oxycodone.

Oxymorphone – A narcotic analgesic (pain killer) that is often prescribed as Opana, Numorphan and Numorphone.

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

PCP Analog – A drug structurally related to phencyclidine.

Sympathomimetic Amines – A group of stimulants including phentermine (an appetite suppressant) and other sympathomimetic amines not tracked elsewhere in this report.

Synthetic Cannabinoids – Synthetic cannabinoids are manmade chemicals that are applied (often sprayed) onto plant material to mimic the effect of delta-9-tetrahydrocannabinol (THC), the psychoactive ingredient in the naturally grown marijuana plant (cannabis sativa). Synthetic cannabinoids, commonly known as "synthetic marijuana," "Spice" or "K2," are often sold in retail outlets as "herbal incense" or "potpourri" and are labeled "not for human consumption."

Glossary (Continued)

Tramadol – A synthetic narcotic analgesic sold under the trade name Ultram and Ultracet. Indications include the treatment of moderate to severe pain. It is a chemical analog to codeine. Not currently a scheduled drug.

U-47700 – A synthetic opioid with a white or light-pink chalky appearance that is found in powder or tablet form. Common street names for this drug include "pink," "pinky" or "U4."

Xylazine - A drug used in veterinary medicine as a sedative with analgesic and muscle relaxant properties. It is often mixed with other drugs such as fentanyl, heroin and cocaine.

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