

Drugs Identified in Deceased Persons by Florida Medical Examiners



2024 Annual Report

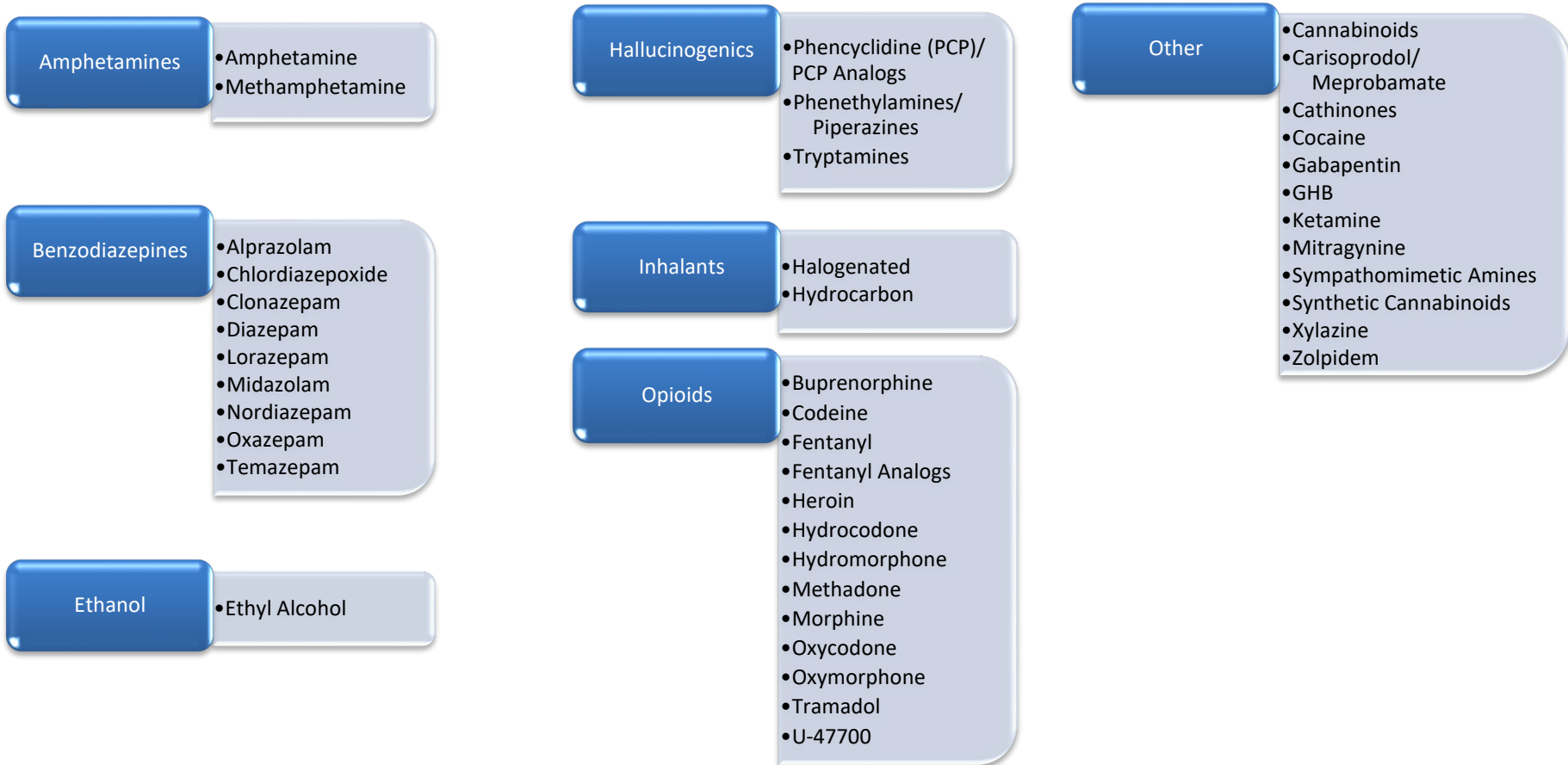
Data Collection

The State of Florida's Bureau of Vital Statistics reported 230,911 deaths in Florida during 2024. Of the 31,604 deaths investigated by Florida's medical examiners; toxicology results determined that the drugs listed below were present at the time of death in 12,687 deaths. The medical examiners assessed whether the drug(s) identified was the cause of death or merely present at the time of death. The data was 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 12,687 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 was collected on the following drugs:



Highlights

All comparisons are made to 2023 calendar year data unless otherwise noted.

- ✓ Total drug-related deaths decreased by 14 percent (2,111 less).
- ✓ 5,378 opioid-related deaths were reported, which is a 26 percent decrease (1,857 less). The opioids were identified as either the cause of death or merely present in the decedent.
- ✓ 3,726 opioid-caused deaths were reported, which is a 32 percent decrease (1,750 less).
- ✓ 6,631 (22 percent decrease, 1,830 less) individuals died with one or more prescription drugs in their system. The drugs were identified as either the cause of death or merely present in the decedent. These drugs may have also been mixed with illicit drugs and/or alcohol. While fentanyl is a prescription drug, data indicates that at least 85 percent of fentanyl occurrences were illicitly obtained.
- ✓ 3,827 (32 percent decrease, 1,768 less) individuals died with at least one prescription drug in their system that was identified as the cause of death. These drugs may have been mixed with other prescription drugs, illicit drugs and/or alcohol.
- ✓ Benzodiazepines, carisoprodol/meprobamate, zolpidem, gabapentin and all opioids excluding heroin, fentanyl analogs and U-47700 account for 47 percent of all drug occurrences in this report when ethyl alcohol is excluded.
- ✓ The most frequently occurring drugs found in decedents were ethyl alcohol (5,185), fentanyl (3,667), benzodiazepines (3,024, including 986 alprazolam occurrences), cocaine (2,951), cannabinoids (2,766), methamphetamine (2,129), amphetamine (1,995), oxycodone (868), gabapentin (868), fentanyl analogs (696), morphine (554), cathinones (517) and xylazine (458). 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.
- ✓ The drugs that caused the most deaths were fentanyl (3,224), cocaine (1,920), methamphetamine (1,500), ethyl alcohol (972), benzodiazepines (665, including 382 alprazolam deaths), fentanyl analogs (603), amphetamine (566) and cathinones (370). Synthetic Cannabinoids (92 percent), halogenated inhalants (91 percent), fentanyl (88 percent), fentanyl analogs (87 percent), heroin (85 percent), xylazine (73 percent), cathinones (72 percent), methamphetamine (70 percent), cocaine (65 percent), methadone (64 percent), mitragynine (58 percent) and hallucinogenic phenethylamines/piperazines (58 percent) were listed as causing death in more than 50 percent of the deaths in which these drugs were found.
- ✓ Occurrences of heroin decreased by 20 percent (19 less) and deaths caused by heroin decreased by 16 percent (12 less).
- ✓ Occurrences of fentanyl decreased by 34 percent (1,863 less) and deaths caused by fentanyl decreased by 35 percent (1,738 less).
- ✓ Occurrences of fentanyl analogs decreased by 21 percent (185 less) and deaths caused by fentanyl analogs decreased by 19.5 percent (146 less).
- ✓ Occurrences of methadone increased by 9 percent (24 more) and deaths caused by methadone increased by 20 percent (31 more).
- ✓ Occurrences of hydrocodone decreased by 12 percent (45 less) and deaths caused by hydrocodone decreased by 33 percent (41 less).

Highlights (continued)

- ✓ Occurrences of oxycodone decreased by 14.5 percent (147 less) and deaths caused by oxycodone decreased by 24 percent (106 less).
- ✓ Occurrences of buprenorphine increased by 2 percent (3 more) and deaths caused by buprenorphine increased by 11 percent (5 more).
- ✓ Occurrences of cocaine decreased by 17 percent (614 less) and deaths caused by cocaine decreased by 19 percent (457 less).
- ✓ Occurrences of morphine decreased by 13 percent (81 less) and deaths caused by morphine decreased by 4 percent (8 less).
- ✓ Occurrences of mitragynine decreased by 18 percent (50 less) and deaths caused by mitragynine decreased by 28 percent (51 less).
- ✓ Occurrences of gabapentin decreased by 3 percent (29 less) and deaths caused by gabapentin decreased by 13 percent (21 less).
- ✓ Alprazolam (Xanax) still dominated the category of benzodiazepines even though occurrences decreased by 11 percent (120 less).
- ✓ Occurrences of methamphetamine decreased by 21 percent (553 less) and deaths caused by methamphetamine decreased by 24 percent (483 less). Occurrences of amphetamine decreased by 19 percent (471 less) and deaths caused by amphetamine decreased by 34 percent (293 less). 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 decreased by 44 percent (400 less) and deaths caused by cathinones decreased by 42 percent (272 less). The majority of the cathinones reported were N,N-Dimethylpentylone.
- ✓ Occurrences of xylazine decreased by 17 percent (92 less) and deaths caused by xylazine decreased by 2 percent (7 less).
- ✓ There was a total of 31 occurrences of difluoroethane reported in the halogenated inhalants category.
- ✓ *NOTE: 4-Anilino-N-phenethylpiperidine (4-ANPP, despropionyl fentanyl) is an intermediate precursor of fentanyl production, as well as a minor metabolite (1%) 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 recent ingestion of illicitly manufactured fentanyl or fentanyl analogs. Accordingly, 4-ANPP will not be listed as a fentanyl analog in drug reports moving forward. However, the Commission continues to request submissions of 4-ANPP occurrences.*

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

Brian Fernandes, J.D.

Office of the Attorney General

Honorable Amira Fox, J.D.

State Attorney, 20th Judicial Circuit

Honorable Robert “Bob” Johnson

Sheriff, Santa Rosa County

Vacant

County Commissioner

MEC Staff

Florida Department of Law Enforcement

Post Office Box 1489

Tallahassee, Florida 32302

(850) 410-8600

[MEC Website](http://www.fdl.state.fl.us)

Chief of Policy and Special Programs Brett Kirkland

(850) 410-8600 BrettKirkland@fdle.state.fl.us

Manager II Ashley Bullard

(850) 410-8639 AshleyBullard@fdle.state.fl.us

Government Analyst II Megan Neel

(850) 410-8664 MeganNeel@fdle.state.fl.us

Government Analyst II Ashley Williams

(850) 410-8609 AshleyWilliams@fdle.state.fl.us

Attorney Supervisor Natalie Bielby

(850) 410-7681 NatalieBielby@fdle.state.fl.us

Quality Assurance Committee Members

Russell S. Vega, M.D.

District Medical Examiner

District 12 Medical Examiner Office

Robert R. Pfalzgraf, M.D.

Associate Medical Examiner

District 4 Medical Examiner Office

Chris W. Chronister, Ph.D.

Forensic Toxicology Laboratory Director

University of Florida

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Coverage Map

Florida Medical Examiner Districts

District 1

Escambia
Santa Rosa
Okaloosa
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

Miami-Dade

District 12

DeSoto
Manatee
Sarasota

District 13

Hillsborough

District 14

Bay
Calhoun
Gulf
Holmes
Jackson
Washington

District 15

Palm Beach

District 16

Monroe

District 17

Broward

District 18

Brevard

District 19

Indian River
Martin
Okeechobee
St. Lucie

District 20

Collier

District 21

Glades
Hendry
Lee

District 22

Charlotte

District 23

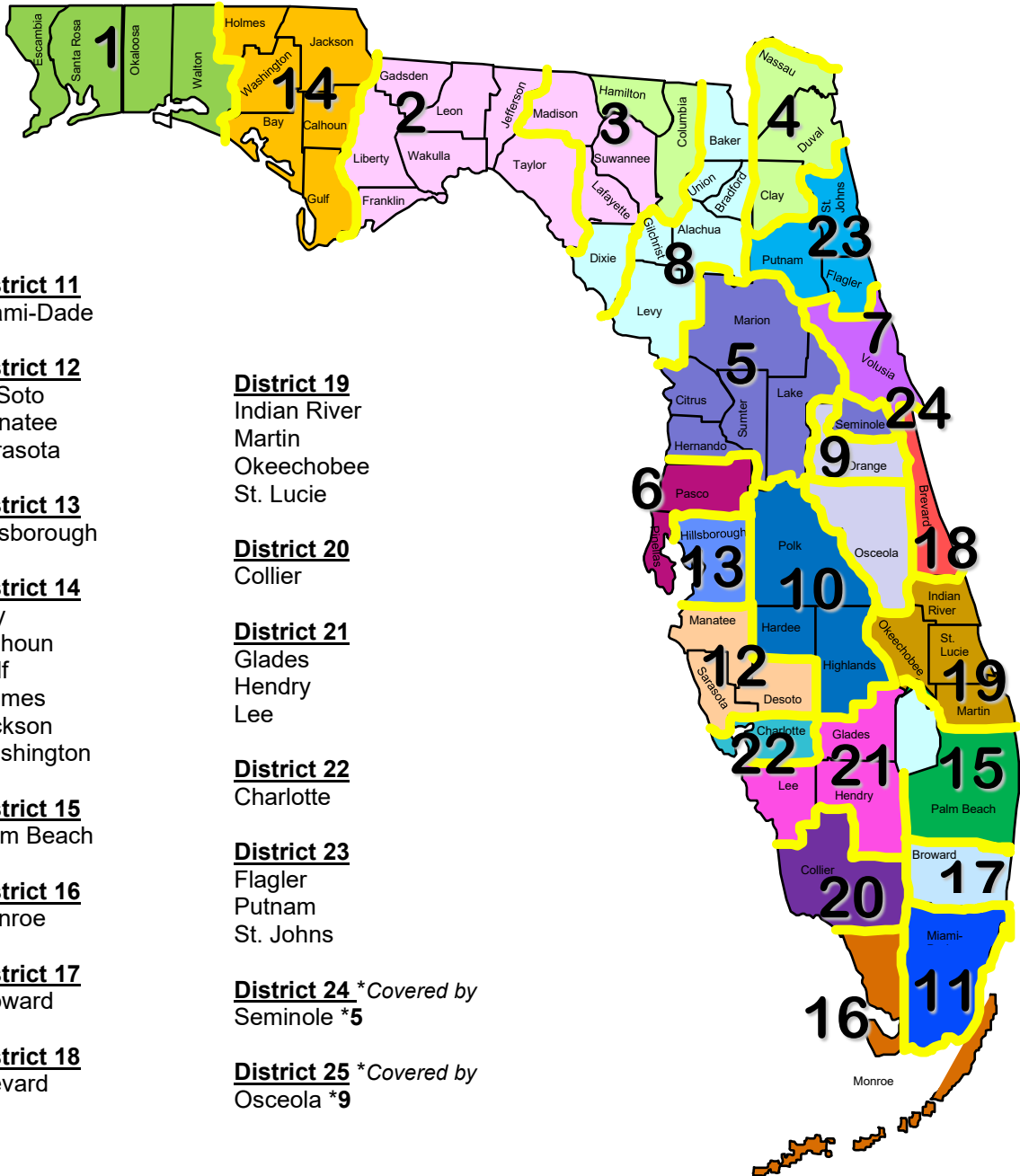
Flagler
Putnam
St. Johns

District 24 *Covered by

Seminole *5

District 25 *Covered by

Osceola *9



Summary of Drug Occurrences in Decedents 2024

	DRUG PRESENT IN BODY	CAUSE	PRESENT	TOTAL OCCURRENCES
Amphetamines	Amphetamine	566	1,429	1,995
	Methamphetamine	1,500	629	2,129
Benzodiazepines	Alprazolam	382	604	986
	Chlordiazepoxide	12	64	76
	Clonazepam	94	292	386
	Diazepam	88	229	317
	Lorazepam	31	230	261
	Midazolam	5	263	268
	Nordiazepam	28	286	314
	Oxazepam	4	172	176
	Temazepam	21	219	240
Ethanol		972	4,213	5,185
Hallucinogenics	Phencyclidine (PCP)/PCP Analogs	3	0	3
	Phenethylamines/Piperazines	58	42	100
	Tryptamines	0	2	2
Inhalants	Halogenated	32	3	35
	Hydrocarbon	1	0	1

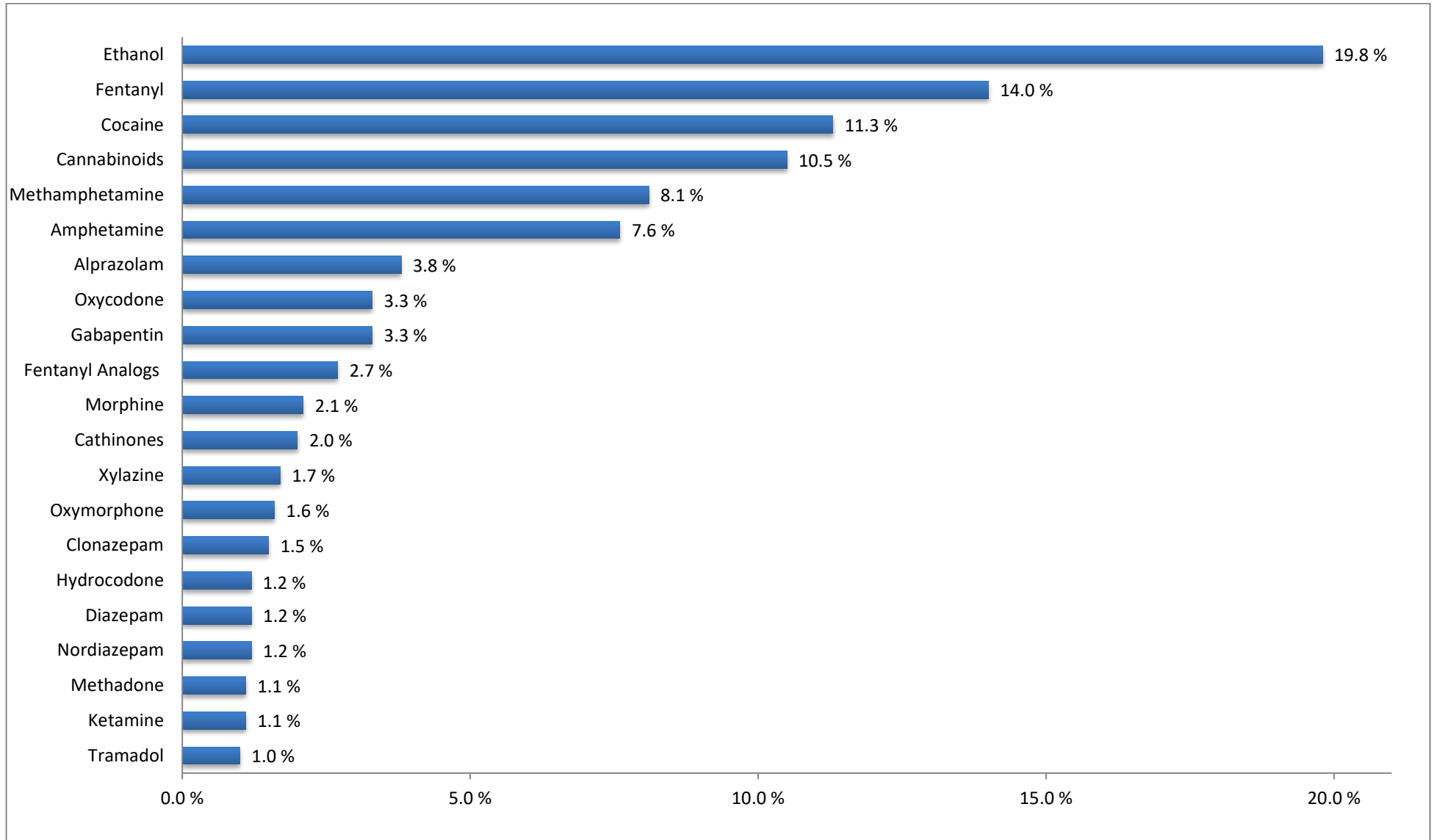
Summary of Drug Occurrences in Decedents (continued)

	DRUG PRESENT IN BODY	CAUSE	PRESENT	TOTAL OCCURRENCES
Opioids	Buprenorphine	51	140	191
	Codeine	20	78	98
	Fentanyl	3,224	443	3,667
	Fentanyl Analogs	603	93	696
	Heroin	63	11	74
	Hydrocodone	84	241	325
	Hydromorphone	30	203	233
	Methadone	188	106	294
	Morphine	191	363	554
	Oxycodone	342	526	868
	Oxymorphone	32	378	410
	Tramadol	64	195	259
Other	U-47700	0	0	0
	Cannabinoids	25	2,741	2,766
	Carisoprodol/Meprobamate	8	28	36
	Cathinones	370	147	517
	Cocaine	1,920	1,031	2,951
	GHB	2	1	3
	Gabapentin	138	730	868
	Ketamine	44	234	278
	Mitragynine	131	93	224
	Sympathomimetic Amines	5	25	30
	Synthetic Cannabinoids	24	2	26
	Xylazine	333	125	458
	Zolpidem	31	75	106

Note: The total occurrences for buprenorphine and cannabinoids are under-reported due to the variability in analytical protocols in place at medical examiner offices. Medical examiners were asked to identify any metabolites of parent drugs. 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.

Frequency of Occurrence of Drugs in Decedents¹

January – December 2024



¹Drugs not included individually constituted less than one percent of occurrences.

Note: Percentages may not sum to 100 percent because of rounding.

Comparison of Drug Occurrences in Decedents 2023 to 2024

DRUG PRESENT IN BODY		2023	2024	PERCENTAGE CHANGE
Amphetamines	Amphetamine	2,466	1,995	-19.1%
	Methamphetamine	2,682	2,129	-20.6%
Benzodiazepines	Alprazolam	1,106	986	-10.8%
	Chlordiazepoxide	95	76	-20.0%
	Clonazepam	487	386	-20.7%
	Diazepam	334	317	-5.1%
	Lorazepam	296	261	-11.8%
	Midazolam	285	268	-6.0%
	Nordiazepam	352	314	-10.8%
	Oxazepam	209	176	-15.8%
	Temazepam	255	240	-5.9%
Ethanol		5,890	5,185	-12.0%
Hallucinogenics	Phencyclidine (PCP) / PCP Analogs	0	3	*
	Phenethylamines/Piperazines	105	100	-4.8%
	Tryptamines	7	2	*
Inhalants	Halogenated	27	35	29.6%
	Hydrocarbon	1	1	0.0%

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

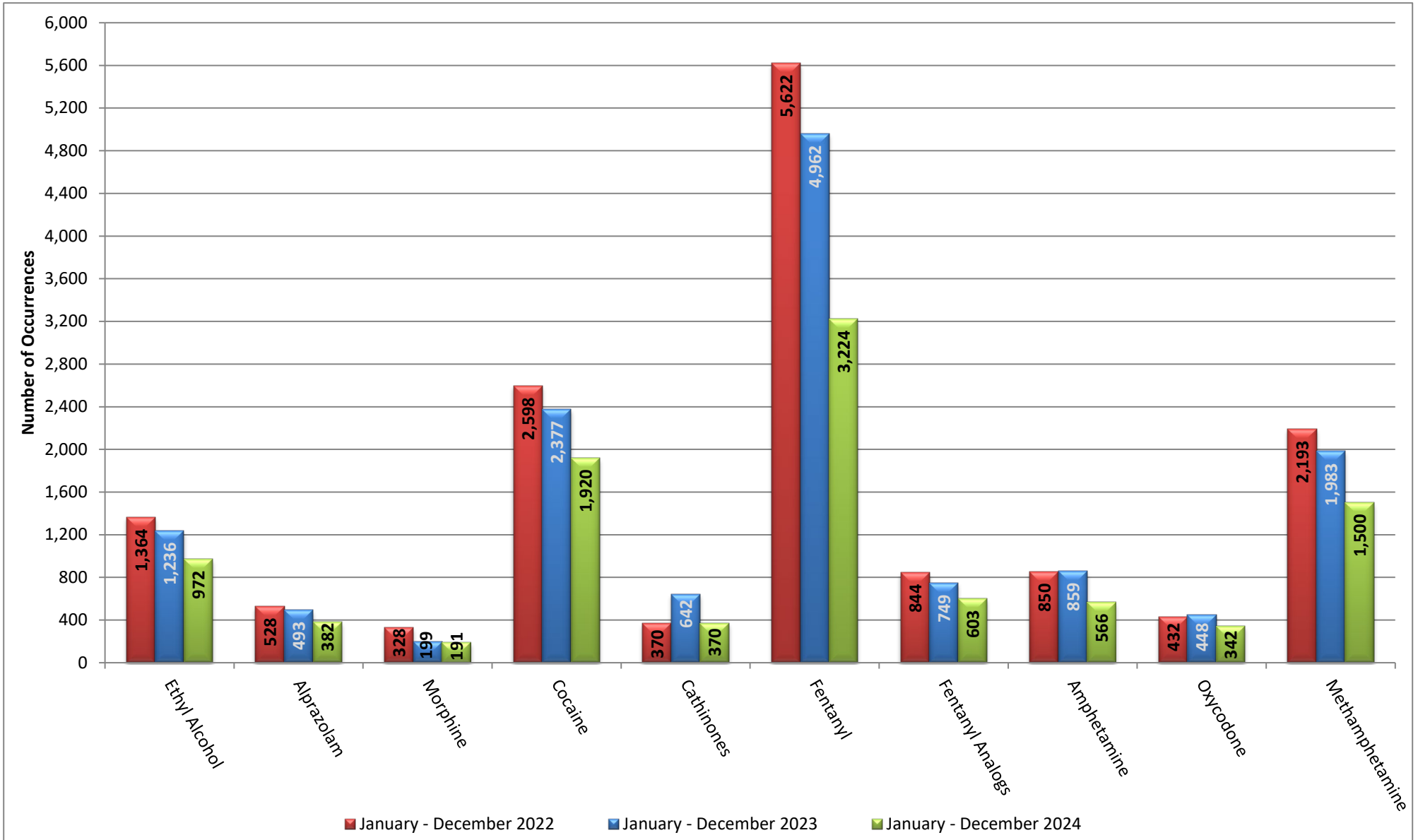
Comparison of Drug Occurrences in Decedents (continued)

DRUG PRESENT IN BODY		2023	2024	PERCENTAGE CHANGE
Opioids	Buprenorphine	188	191	1.6%
	Codeine	121	98	-19.0%
	Fentanyl	5,530	3,667	-33.7%
	Fentanyl Analogs	881	696	-21.0%
	Heroin	93	74	-20.4%
	Hydrocodone	370	325	-12.2%
	Hydromorphone	314	233	-25.8%
	Methadone	270	294	8.9%
	Morphine	635	554	-12.8%
	Oxycodone	1,015	868	-14.5%
	Oxymorphone	475	410	-13.7%
	Tramadol	338	259	-23.4%
	U-47700	1	0	*
Other	Cannabinoids	3,153	2,766	-12.3%
	Carisoprodol/Meprobamate	36	36	0.0%
	Cathinones	917	517	-43.6%
	Cocaine	3,565	2,951	-17.2%
	GHB	2	3	*
	Gabapentin	897	868	-3.2%
	Ketamine	282	278	-1.4%
	Mitragynine	274	224	-18.2%
	Sympathomimetic Amines	28	30	7.1%
	Synthetic Cannabinoids	18	26	44.4%
	Xylazine	550	458	-16.7%
	Zolpidem	149	106	-28.9%

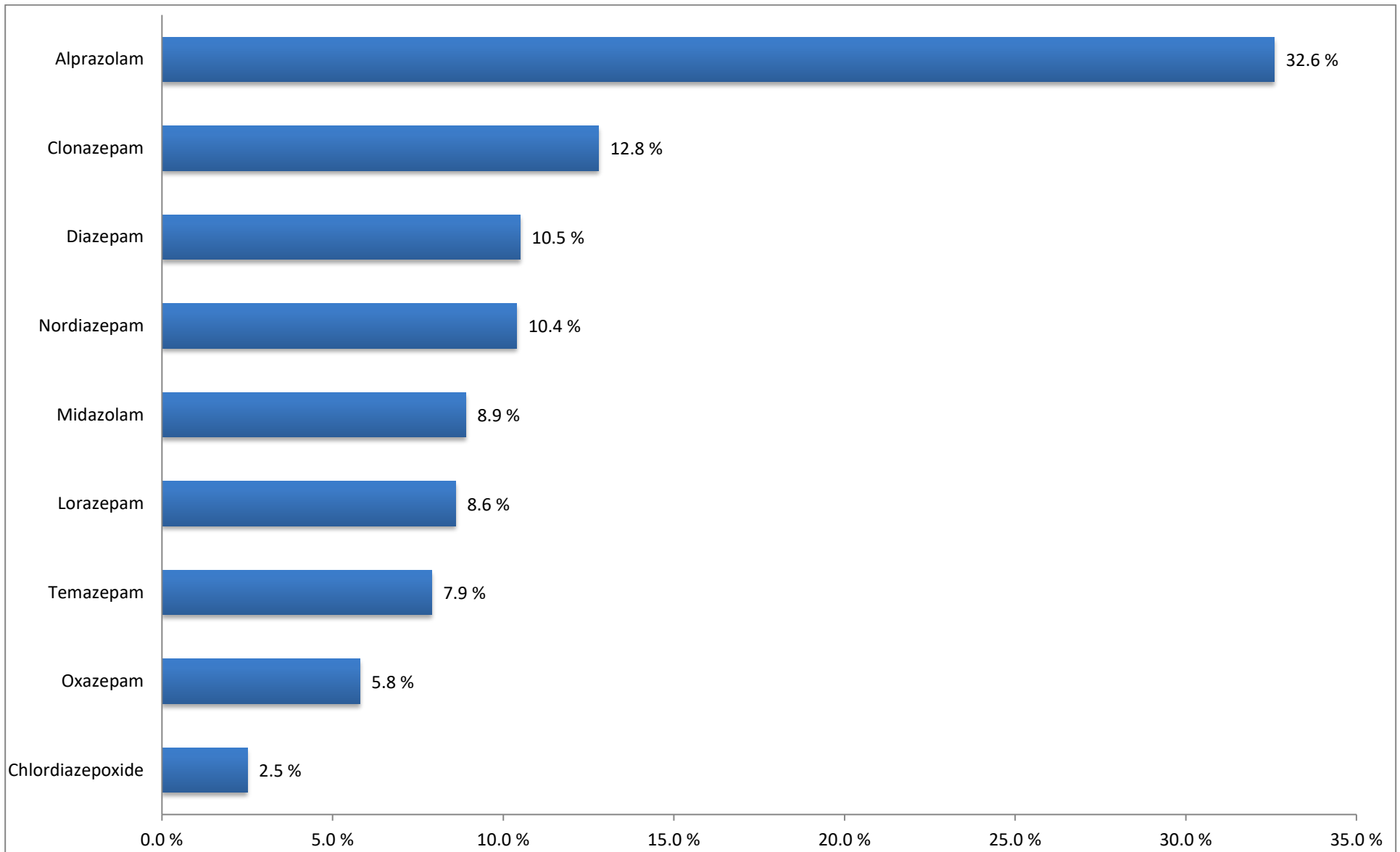
**Due to the small number of occurrences, percent changes were not calculated.*

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.

Comparison of Drug Caused Deaths 2022 to 2024



Frequency of Occurrence of Benzodiazepines January – December 2024



Note: Several benzodiazepines (for example, diazepam) are metabolized to other benzodiazepines in the body (for example, nordiazepam, oxazepam, and temazepam). Thus, occurrences of nordiazepam, oxazepam and temazepam may be due to the ingestion of diazepam, chlordiazepoxide and/or temazepam.

Alprazolam Deaths

January – December 2024

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
18	8	10
19	4	15
6	1	5
51	17	34
46	12	34
118	56	62
34	21	13
16	3	13
28	9	19
37	13	24
133	30	103
52	27	25
72	36	36
16	4	12
90	21	69
2	2	0
75	37	38
34	14	20
31	12	19
14	8	6
49	26	23
18	11	7
10	4	6
11	4	7
6	2	4
986	382	604

Deaths with Alprazolam Only		
Total	Cause	Present
5	1	4
1	0	1
0	0	0
6	1	5
2	0	2
7	0	7
1	0	1
1	0	1
3	0	3
3	0	3
16	0	16
7	2	5
12	1	11
1	0	1
9	0	9
0	0	0
5	2	3
3	1	2
3	2	1
1	1	0
2	0	2
3	2	1
1	0	1
2	0	2
1	0	1
95	13	82

Deaths with Alprazolam in Combination with Other Drugs		
Total	Cause	Present
13	7	6
18	4	14
6	1	5
45	16	29
44	12	32
111	56	55
33	21	12
15	3	12
25	9	16
34	13	21
117	30	87
45	25	20
60	35	25
15	4	11
81	21	60
2	2	0
70	35	35
31	13	18
28	10	18
13	7	6
47	26	21
15	9	6
9	4	5
9	4	5
5	2	3
891	369	522

Alprazolam Deaths by Age

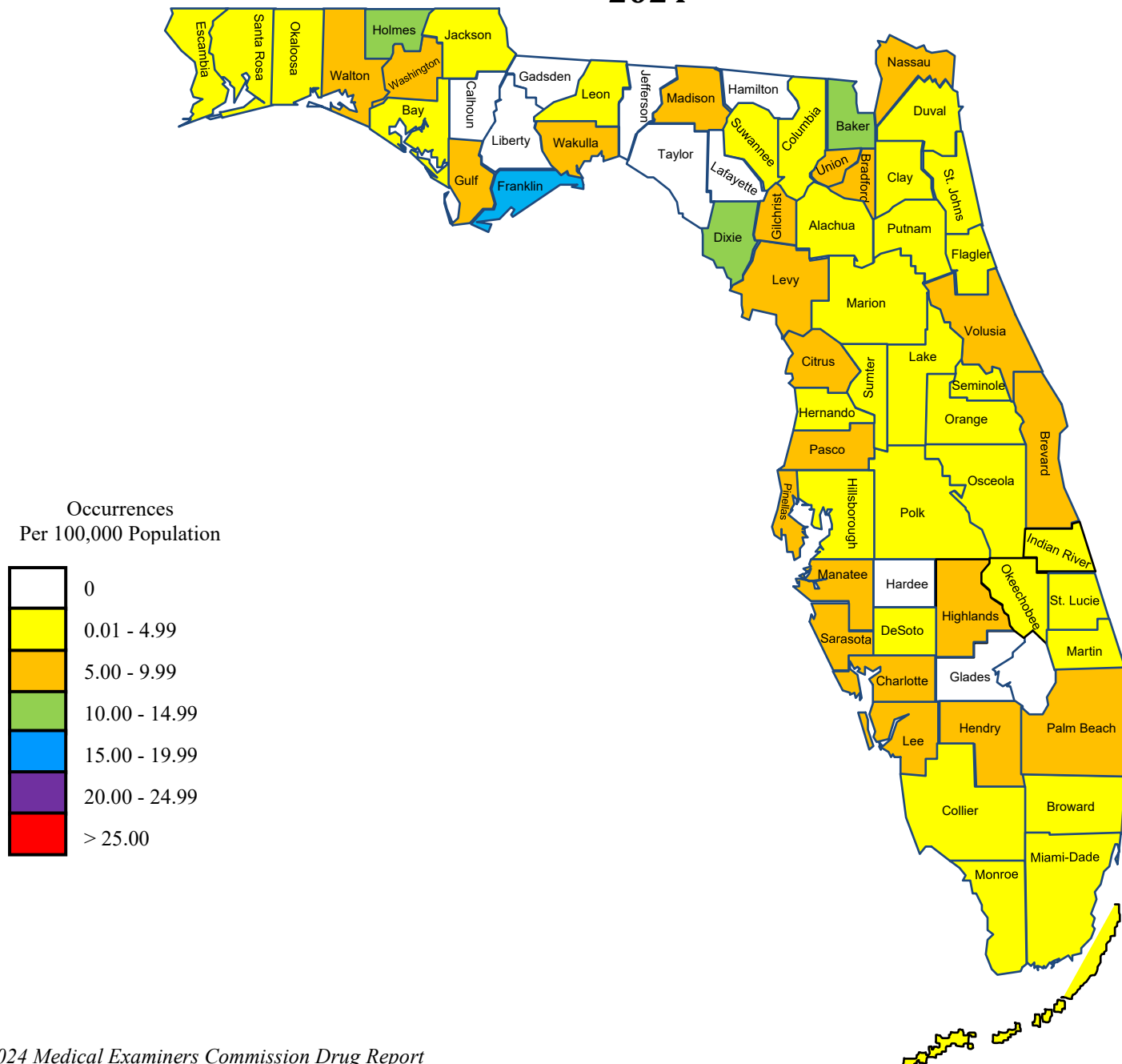
January – December 2024

Medical Examiner District and Area of Florida		
District	Area of Florida	Total
1	Pensacola	18
2	Tallahassee	19
3	Live Oak	6
4	Jacksonville	51
5	Leesburg	46
6	St. Petersburg	118
7	Daytona Beach	34
8	Gainesville	16
9	Orlando	28
10	Lakeland	37
11	Miami	133
12	Sarasota	52
13	Tampa	72
14	Panama City	16
15	West Palm Beach	90
16	Florida Keys	2
17	Ft. Lauderdale	75
18	Melbourne	34
19	Ft. Pierce	31
20	Naples	14
21	Ft. Myers	49
22	Port Charlotte	18
23	St. Augustine	10
24	Sanford	11
25	Kissimmee	6
Statewide Totals		986

Alprazolam Caused Death					
Age of Decedent					
Total	<18	18-25	26-34	35-50	>50
8	0	0	1	3	4
4	0	0	1	2	1
1	0	0	0	0	1
17	0	2	5	4	6
12	0	0	1	6	5
56	0	4	10	24	18
21	0	0	9	2	10
3	0	0	0	2	1
9	0	0	1	4	4
13	0	1	3	4	5
30	0	4	4	9	13
27	0	1	4	10	12
36	0	0	12	12	12
4	0	0	1	1	2
21	1	1	3	10	6
2	0	0	0	2	0
37	0	0	7	13	17
14	0	1	2	6	5
12	0	0	1	4	7
8	0	0	1	2	5
26	0	0	7	9	10
11	0	4	0	2	5
4	0	1	0	2	1
4	0	0	0	3	1
2	0	0	1	0	1
382	1	19	74	136	152

Alprazolam Present at Death					
Age of Decedent					
Total	<18	18-25	26-34	35-50	>50
10	0	0	1	3	6
15	0	1	3	5	6
5	0	0	1	2	2
34	1	2	6	11	14
34	0	1	2	8	23
62	1	1	11	22	27
13	0	1	0	9	3
13	0	0	2	6	5
19	0	0	2	10	7
24	0	1	4	8	11
103	1	9	11	26	56
25	0	1	3	4	17
36	0	0	3	5	28
12	0	0	1	3	8
69	0	5	14	20	30
0	0	0	0	0	0
38	0	1	3	4	30
20	0	1	3	9	7
19	0	0	2	6	11
6	0	0	1	0	5
23	0	4	3	3	13
7	0	0	0	2	5
6	0	0	2	1	3
7	0	1	1	3	2
4	0	0	0	2	2
604	3	29	79	172	321

Alprazolam Deaths by County 2024



Clonazepam Deaths

January – December 2024

Medical Examiner District and Area of Florida		Total Deaths with Clonazepam			Deaths with Clonazepam Only			Deaths with Clonazepam in Combination with Other Drugs		
District	Area of Florida	Total	Cause	Present	Total	Cause	Present	Total	Cause	Present
1	Pensacola	10	5	5	0	0	0	10	5	5
2	Tallahassee	2	0	2	0	0	0	2	0	2
3	Live Oak	3	0	3	0	0	0	3	0	3
4	Jacksonville	23	8	15	0	0	0	23	8	15
5	Leesburg	9	3	6	0	0	0	9	3	6
6	St. Petersburg	58	12	46	0	0	0	58	12	46
7	Daytona Beach	9	5	4	0	0	0	9	5	4
8	Gainesville	0	0	0	0	0	0	0	0	0
9	Orlando	23	2	21	0	0	0	23	2	21
10	Lakeland	1	1	0	0	0	0	1	1	0
11	Miami	65	7	58	0	0	0	65	7	58
12	Sarasota	5	3	2	0	0	0	5	3	2
13	Tampa	1	0	1	0	0	0	1	0	1
14	Panama City	10	0	10	0	0	0	10	0	10
15	West Palm Beach	39	6	33	0	0	0	39	6	33
16	Florida Keys	0	0	0	0	0	0	0	0	0
17	Ft. Lauderdale	40	17	23	0	0	0	40	17	23
18	Melbourne	11	5	6	0	0	0	11	5	6
19	Ft. Pierce	15	2	13	0	0	0	15	2	13
20	Naples	0	0	0	0	0	0	0	0	0
21	Ft. Myers	20	10	10	0	0	0	20	10	10
22	Port Charlotte	10	2	8	0	0	0	10	2	8
23	St. Augustine	17	2	15	0	0	0	17	2	15
24	Sanford	5	3	2	0	0	0	5	3	2
25	Kissimmee	10	1	9	0	0	0	10	1	9
Statewide Totals		386	94	292	0	0	0	386	94	292

Clonazepam Deaths by Age

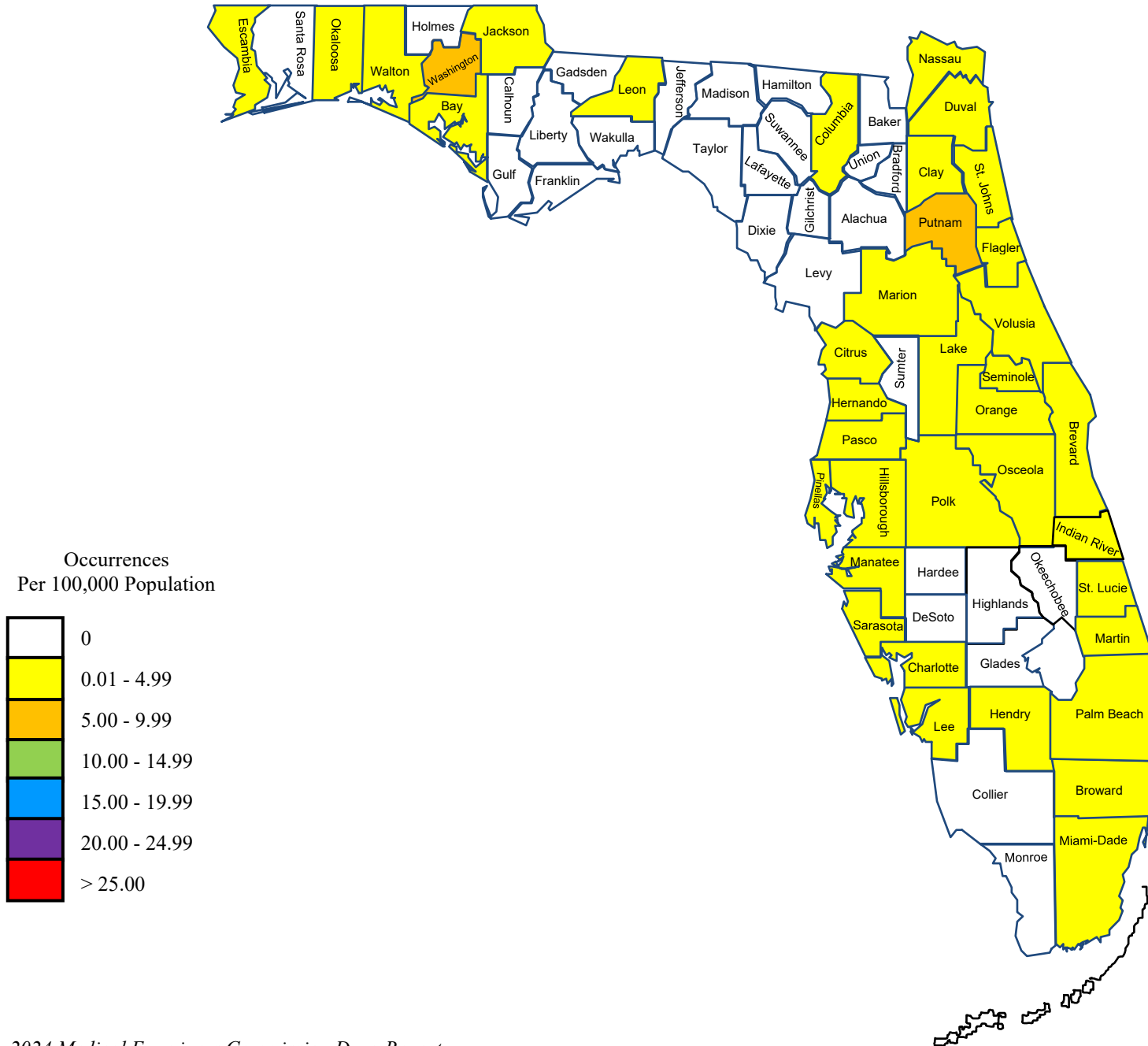
January – December 2024

Medical Examiner District and Area of Florida		
District	Area of Florida	Total
1	Pensacola	10
2	Tallahassee	2
3	Live Oak	3
4	Jacksonville	23
5	Leesburg	9
6	St. Petersburg	58
7	Daytona Beach	9
8	Gainesville	0
9	Orlando	23
10	Lakeland	1
11	Miami	65
12	Sarasota	5
13	Tampa	1
14	Panama City	10
15	West Palm Beach	39
16	Florida Keys	0
17	Ft. Lauderdale	40
18	Melbourne	11
19	Ft. Pierce	15
20	Naples	0
21	Ft. Myers	20
22	Port Charlotte	10
23	St. Augustine	17
24	Sanford	5
25	Kissimmee	10
Statewide Totals		386

Clonazepam Caused Death					
Age of Decedent					
Total	< 18	18-25	26-34	35-50	>50
5	0	0	0	0	5
0	0	0	0	0	0
0	0	0	0	0	0
8	0	0	2	4	2
3	0	0	1	0	2
12	0	1	1	4	6
5	0	0	1	2	2
0	0	0	0	0	0
2	0	0	0	1	1
1	0	0	0	1	0
7	0	0	0	1	6
3	0	0	0	0	3
0	0	0	0	0	0
0	0	0	0	0	0
6	0	0	0	3	3
0	0	0	0	0	0
17	0	0	5	4	8
5	0	0	3	1	1
2	0	0	1	1	0
0	0	0	0	0	0
10	0	0	0	7	3
2	0	0	0	0	2
2	0	0	0	1	1
3	0	0	0	3	0
1	0	0	0	1	0
94	0	1	14	34	45

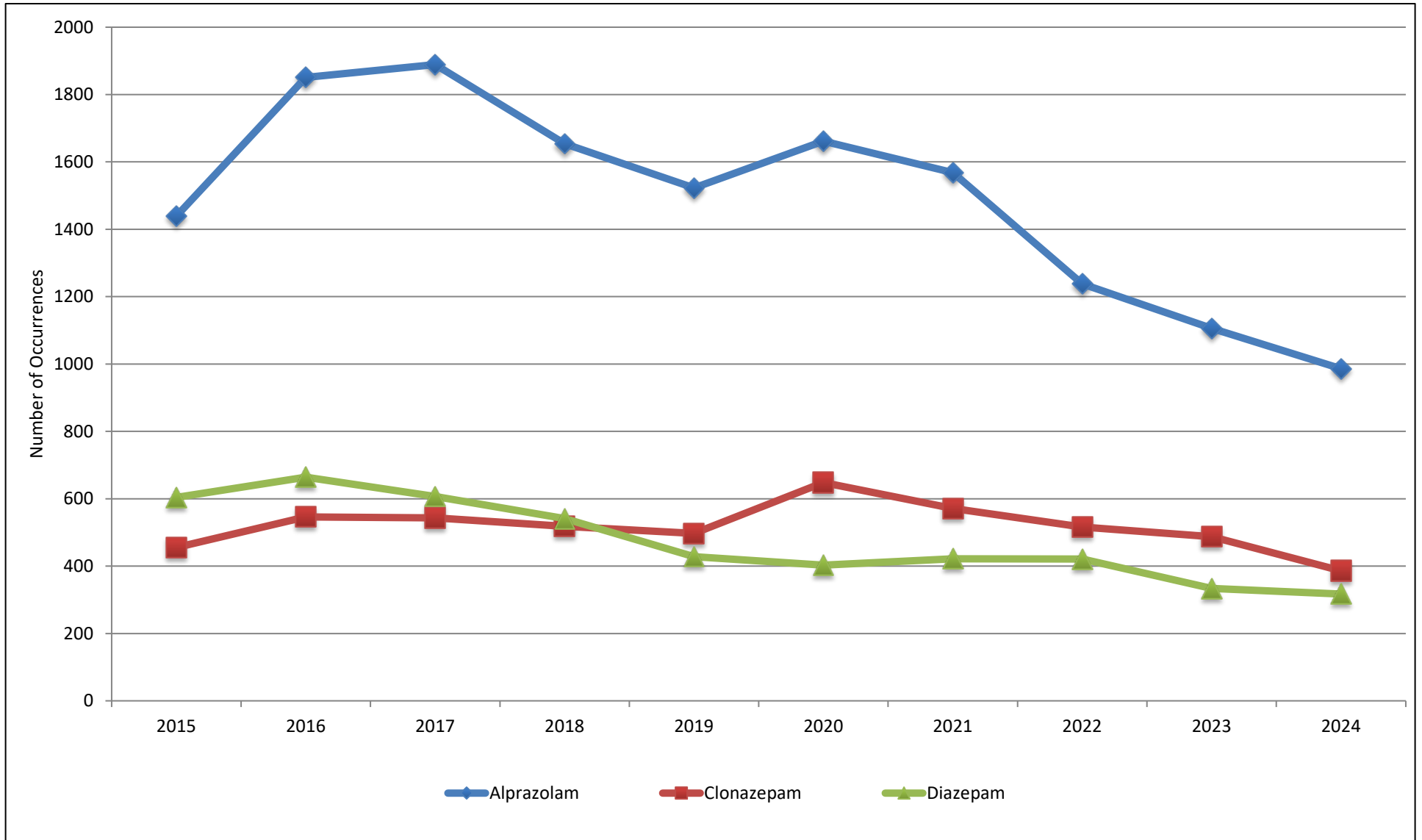
Clonazepam Present at Death					
Age of Decedent					
Total	<18	18-25	26-34	35-50	>50
5	0	1	1	2	1
2	0	0	0	1	1
3	0	0	0	2	1
15	0	0	5	4	6
6	0	0	4	0	2
46	0	0	10	18	18
4	0	0	1	1	2
0	0	0	0	0	0
21	0	0	2	8	11
0	0	0	0	0	0
58	0	2	8	19	29
2	0	0	0	1	1
1	0	0	0	0	1
10	0	0	1	5	4
33	0	0	8	9	16
0	0	0	0	0	0
23	0	1	4	8	10
6	0	0	2	1	3
13	0	0	3	3	7
0	0	0	0	0	0
10	0	0	1	3	6
8	0	2	2	1	3
15	0	1	3	6	5
2	0	0	1	1	0
9	0	1	3	1	4
292	0	8	59	94	131

Clonazepam Deaths by County 2024



Historical Overview of Alprazolam, Clonazepam and Diazepam Occurrences

(Present and Cause)
2015 to 2024



Oxycodone Deaths

January – December 2024

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 Oxycodone		
Total	Cause	Present
30	10	20
22	3	19
10	3	7
42	19	23
51	20	31
87	54	33
26	18	8
16	1	15
28	10	18
27	13	14
84	28	56
32	14	18
86	24	62
13	5	8
68	27	41
3	0	3
66	26	40
37	15	22
39	12	27
11	5	6
48	21	27
14	4	10
18	6	12
4	1	3
6	3	3
868	342	526

Deaths with Oxycodone Only		
Total	Cause	Present
4	0	4
1	1	0
1	0	1
3	1	2
7	1	6
4	0	4
3	0	3
5	0	5
3	0	3
6	4	2
1	0	1
7	0	7
7	0	7
1	0	1
7	1	6
0	0	0
4	0	4
3	0	3
4	1	3
3	1	2
9	1	8
0	0	0
2	0	2
0	0	0
2	0	2
87	11	76

Deaths with Oxycodone in Combination with Other Drugs		
Total	Cause	Present
26	10	16
21	2	19
9	3	6
39	18	21
44	19	25
83	54	29
23	18	5
11	1	10
25	10	15
21	9	12
83	28	55
25	14	11
79	24	55
12	5	7
61	26	35
3	0	3
62	26	36
34	15	19
35	11	24
8	4	4
39	20	19
14	4	10
16	6	10
4	1	3
4	3	1
781	331	450

Oxycodone Deaths by Age

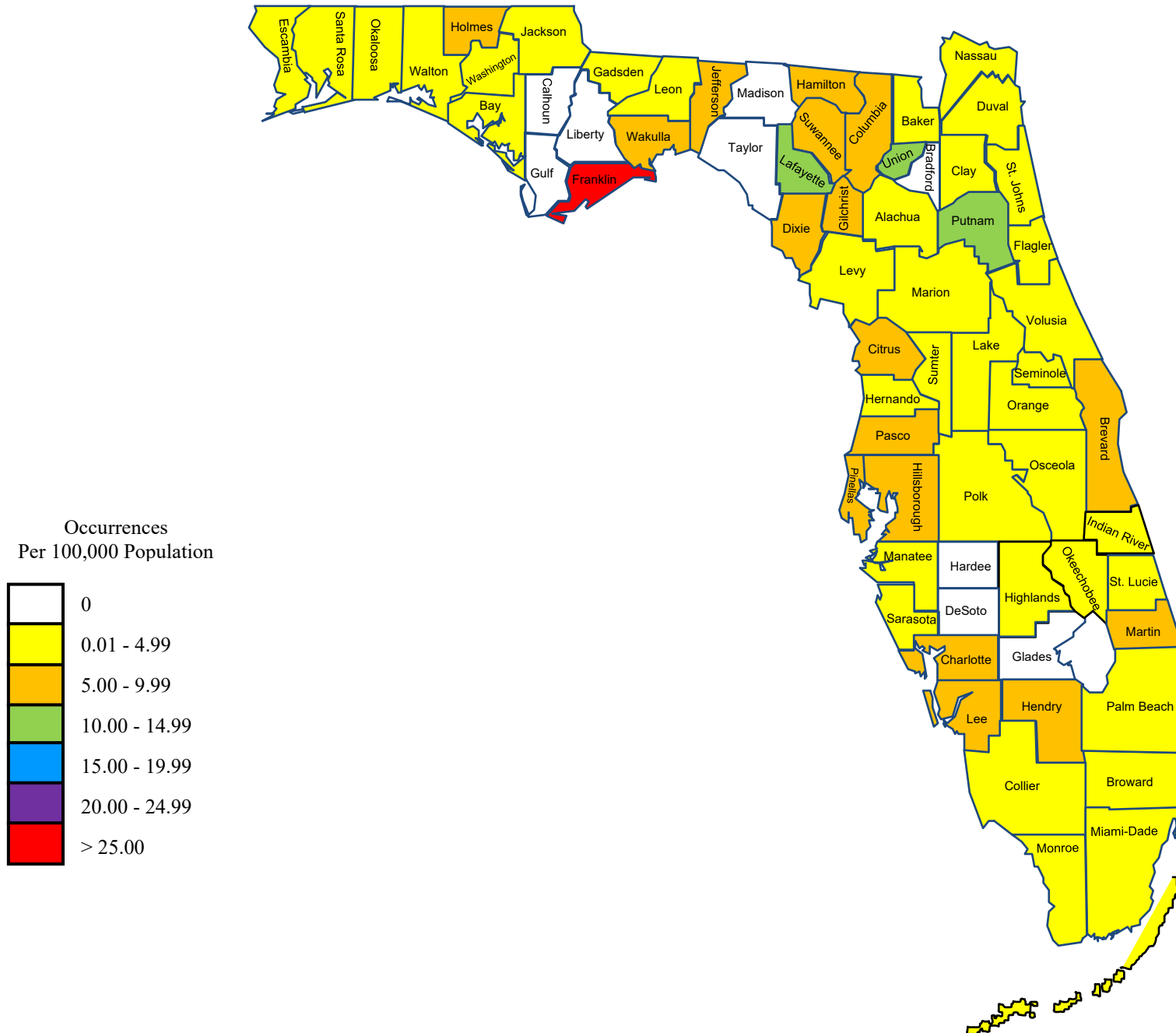
January – December 2024

Medical Examiner District and Area of Florida		
District	Area of Florida	Total
1	Pensacola	30
2	Tallahassee	22
3	Live Oak	10
4	Jacksonville	42
5	Leesburg	51
6	St. Petersburg	87
7	Daytona Beach	26
8	Gainesville	16
9	Orlando	28
10	Lakeland	27
11	Miami	84
12	Sarasota	32
13	Tampa	86
14	Panama City	13
15	West Palm Beach	68
16	Florida Keys	3
17	Ft. Lauderdale	66
18	Melbourne	37
19	Ft. Pierce	39
20	Naples	11
21	Ft. Myers	48
22	Port Charlotte	14
23	St. Augustine	18
24	Sanford	4
25	Kissimmee	6
Statewide Totals		868

Oxycodone Caused Death					
Age of Decedent					
Total	< 18	18-25	26-34	35-50	>50
10	0	0	1	0	9
3	0	0	0	1	2
3	0	0	0	0	3
19	0	0	3	8	8
20	0	1	1	5	13
54	0	0	6	21	27
18	0	2	0	7	9
1	0	0	0	1	0
10	0	2	0	3	5
13	0	1	1	4	7
28	0	4	7	7	10
14	0	0	0	1	13
24	0	1	1	9	13
5	0	0	0	2	3
27	0	0	4	8	15
0	0	0	0	0	0
26	0	0	2	6	18
15	0	1	0	6	8
12	0	0	0	3	9
5	0	0	0	1	4
21	0	0	2	4	15
4	0	1	0	0	3
6	0	0	1	1	4
1	0	0	0	0	1
3	0	0	1	1	1
342	0	13	30	99	200

Oxycodone Present at Death					
Age of Decedent					
Total	<18	18-25	26-34	35-50	>50
20	0	0	1	3	16
19	0	1	2	8	8
7	0	0	1	3	3
23	0	1	3	6	13
31	0	1	3	9	18
33	0	1	1	12	19
8	0	0	0	1	7
15	0	0	1	5	9
18	0	0	1	4	13
14	0	1	3	3	7
56	1	7	9	9	30
18	0	0	1	3	14
62	0	3	4	9	46
8	0	0	1	1	6
41	0	3	6	13	19
3	0	0	0	1	2
40	0	4	6	9	21
22	0	1	3	6	12
27	0	0	1	3	23
6	0	0	0	0	6
27	0	0	1	2	24
10	0	1	0	4	5
12	0	1	0	1	10
3	0	0	0	1	2
3	1	0	0	1	1
526	2	25	48	117	334

Oxycodone Deaths by County 2024



Hydrocodone Deaths

January – December 2024

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 Hydrocodone		
Total	Cause	Present
38	12	26
8	1	7
10	4	6
21	7	14
23	9	14
38	9	29
12	7	5
4	1	3
20	4	16
9	3	6
7	2	5
15	2	13
21	5	16
14	4	10
22	1	21
1	1	0
13	4	9
10	2	8
6	1	5
3	0	3
11	2	9
8	1	7
5	1	4
3	1	2
3	0	3
325	84	241

Deaths with Hydrocodone Only		
Total	Cause	Present
15	0	15
0	0	0
2	0	2
0	0	0
4	1	3
4	1	3
0	0	0
1	1	0
11	0	11
0	0	0
0	0	0
5	1	4
3	0	3
2	0	2
3	0	3
0	0	0
2	0	2
2	0	2
3	0	3
2	0	2
1	0	1
0	0	0
2	0	2
1	0	1
1	0	1
64	4	60

Deaths with Hydrocodone in Combination with Other Drugs		
Total	Cause	Present
23	12	11
8	1	7
8	4	4
21	7	14
19	8	11
34	8	26
12	7	5
3	0	3
9	4	5
9	3	6
7	2	5
10	1	9
18	5	13
12	4	8
19	1	18
1	1	0
11	4	7
8	2	6
3	1	2
1	0	1
10	2	8
8	1	7
3	1	2
2	1	1
2	0	2
261	80	181

Hydrocodone Deaths by Age

January – December 2024

Medical Examiner District and Area of Florida		
District	Area of Florida	Total
1	Pensacola	38
2	Tallahassee	8
3	Live Oak	10
4	Jacksonville	21
5	Leesburg	23
6	St. Petersburg	38
7	Daytona Beach	12
8	Gainesville	4
9	Orlando	20
10	Lakeland	9
11	Miami	7
12	Sarasota	15
13	Tampa	21
14	Panama City	14
15	West Palm Beach	22
16	Florida Keys	1
17	Ft. Lauderdale	13
18	Melbourne	10
19	Ft. Pierce	6
20	Naples	3
21	Ft. Myers	11
22	Port Charlotte	8
23	St. Augustine	5
24	Sanford	3
25	Kissimmee	3
Statewide Totals		325

Hydrocodone Caused Death					
Age of Decedent					
Total	< 18	18-25	26-34	35-50	>50
12	0	1	0	2	9
1	0	0	0	0	1
4	0	0	0	0	4
7	0	0	0	2	5
9	0	0	1	2	6
9	0	0	0	1	8
7	0	0	0	2	5
1	0	0	0	1	0
4	0	0	0	2	2
3	0	0	0	0	3
2	0	0	0	0	2
2	0	0	0	0	2
5	0	0	0	2	3
4	0	0	0	1	3
1	0	0	0	0	1
1	0	0	0	0	1
4	0	0	0	2	2
2	0	0	0	1	1
1	0	0	0	0	1
0	0	0	0	0	0
2	0	0	0	1	1
1	0	0	0	0	1
1	0	0	0	0	1
1	0	0	0	1	0
0	0	0	0	0	0
84	0	1	1	20	62

Hydrocodone Present at Death					
Age of Decedent					
Total	<18	18-25	26-34	35-50	>50
26	0	0	4	2	20
7	0	0	0	3	4
6	0	0	0	2	4
14	0	1	0	2	11
14	0	0	1	1	12
29	0	0	1	5	23
5	0	0	0	2	3
3	0	0	0	0	3
16	0	0	0	3	13
6	0	0	1	1	4
5	0	1	2	0	2
13	0	0	1	1	11
16	0	0	0	1	15
10	0	0	0	2	8
21	0	0	2	3	16
0	0	0	0	0	0
9	0	0	0	1	8
8	0	0	0	2	6
5	0	0	0	2	3
3	0	0	0	0	3
9	0	0	0	3	6
7	0	1	0	1	5
4	0	0	0	0	4
2	0	0	0	0	2
3	0	0	1	0	2
241	0	3	13	37	188

[illegible]

	0
	0.01 - 4.99
	5.00 - 9.99
	10.00 - 14.99
	15.00 - 19.99
	20.00 - 24.99
	> 25.00

Methadone Deaths

January – December 2024

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
8	7	1
5	4	1
2	1	1
29	26	3
26	19	7
39	31	8
17	9	8
11	1	10
24	13	11
3	2	1
2	1	1
15	7	8
27	13	14
3	2	1
11	9	2
1	1	0
13	8	5
11	7	4
8	7	1
6	3	3
12	6	6
2	2	0
9	3	6
7	5	2
3	1	2
294	188	106

Deaths with Methadone Only		
Total	Cause	Present
2	2	0
1	1	0
0	0	0
3	2	1
1	1	0
2	1	1
1	0	1
1	0	1
6	3	3
0	0	0
0	0	0
2	0	2
5	1	4
0	0	0
0	0	0
1	1	0
1	1	0
2	0	2
0	0	0
0	0	0
2	1	1
0	0	0
2	1	1
1	0	1
1	0	1
34	15	19

Deaths with Methadone in Combination with Other Drugs		
Total	Cause	Present
6	5	1
4	3	1
2	1	1
26	24	2
25	18	7
37	30	7
16	9	7
10	1	9
18	10	8
3	2	1
2	1	1
13	7	6
22	12	10
3	2	1
11	9	2
0	0	0
12	7	5
9	7	2
8	7	1
6	3	3
10	5	5
2	2	0
7	2	5
6	5	1
2	1	1
260	173	87

Methadone Deaths by Age

January – December 2024

Medical Examiner District and Area of Florida		
District	Area of Florida	Total
1	Pensacola	8
2	Tallahassee	5
3	Live Oak	2
4	Jacksonville	29
5	Leesburg	26
6	St. Petersburg	39
7	Daytona Beach	17
8	Gainesville	11
9	Orlando	24
10	Lakeland	3
11	Miami	2
12	Sarasota	15
13	Tampa	27
14	Panama City	3
15	West Palm Beach	11
16	Florida Keys	1
17	Ft. Lauderdale	13
18	Melbourne	11
19	Ft. Pierce	8
20	Naples	6
21	Ft. Myers	12
22	Port Charlotte	2
23	St. Augustine	9
24	Sanford	7
25	Kissimmee	3
Statewide Totals		294

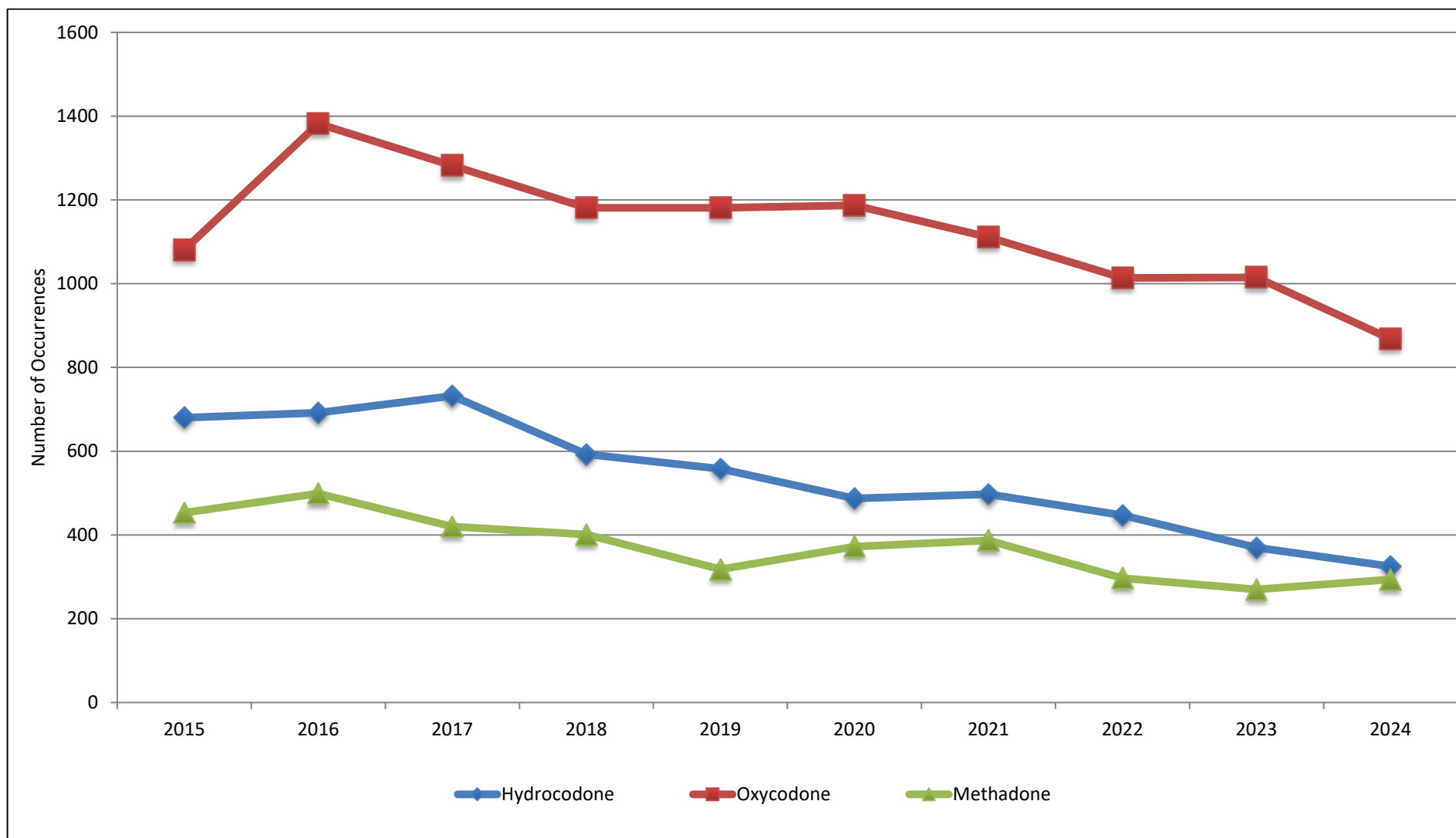
Methadone Caused Death					
Age of Decedent					
Total	<18	18-25	26-34	35-50	>50
7	1	1	2	1	2
4	0	0	1	2	1
1	0	0	0	0	1
26	0	0	4	12	10
19	0	1	1	9	8
31	0	0	5	13	13
9	0	1	1	5	2
1	0	0	0	0	1
13	1	1	1	4	6
2	0	0	1	1	0
1	0	0	0	0	1
7	0	0	1	5	1
13	0	0	2	6	5
2	0	0	0	1	1
9	0	0	1	4	4
1	0	0	1	0	0
8	0	0	0	3	5
7	0	0	1	4	2
7	0	0	3	2	2
3	0	0	1	1	1
6	0	0	1	2	3
2	0	0	1	1	0
3	0	0	0	2	1
5	0	0	1	3	1
1	0	0	0	0	1
188	2	4	29	81	72

Methadone Present at Death					
Age of Decedent					
Total	<18	18-25	26-34	35-50	>50
1	0	0	0	0	1
1	0	0	0	1	0
1	0	0	0	0	1
3	0	0	0	0	3
7	0	0	2	3	2
8	0	0	0	5	3
8	0	0	0	4	4
10	0	1	0	4	5
11	1	0	2	4	4
1	0	0	0	1	0
1	0	0	1	0	0
8	0	1	0	3	4
14	0	0	1	5	8
1	0	0	1	0	0
2	0	0	0	1	1
0	0	0	0	0	0
5	0	0	0	2	3
4	0	0	0	1	3
1	0	0	0	1	0
3	0	0	0	0	3
6	0	0	1	4	1
0	0	0	0	0	0
6	0	0	1	2	3
2	0	0	0	0	2
2	0	0	0	1	1
106	1	2	9	42	52

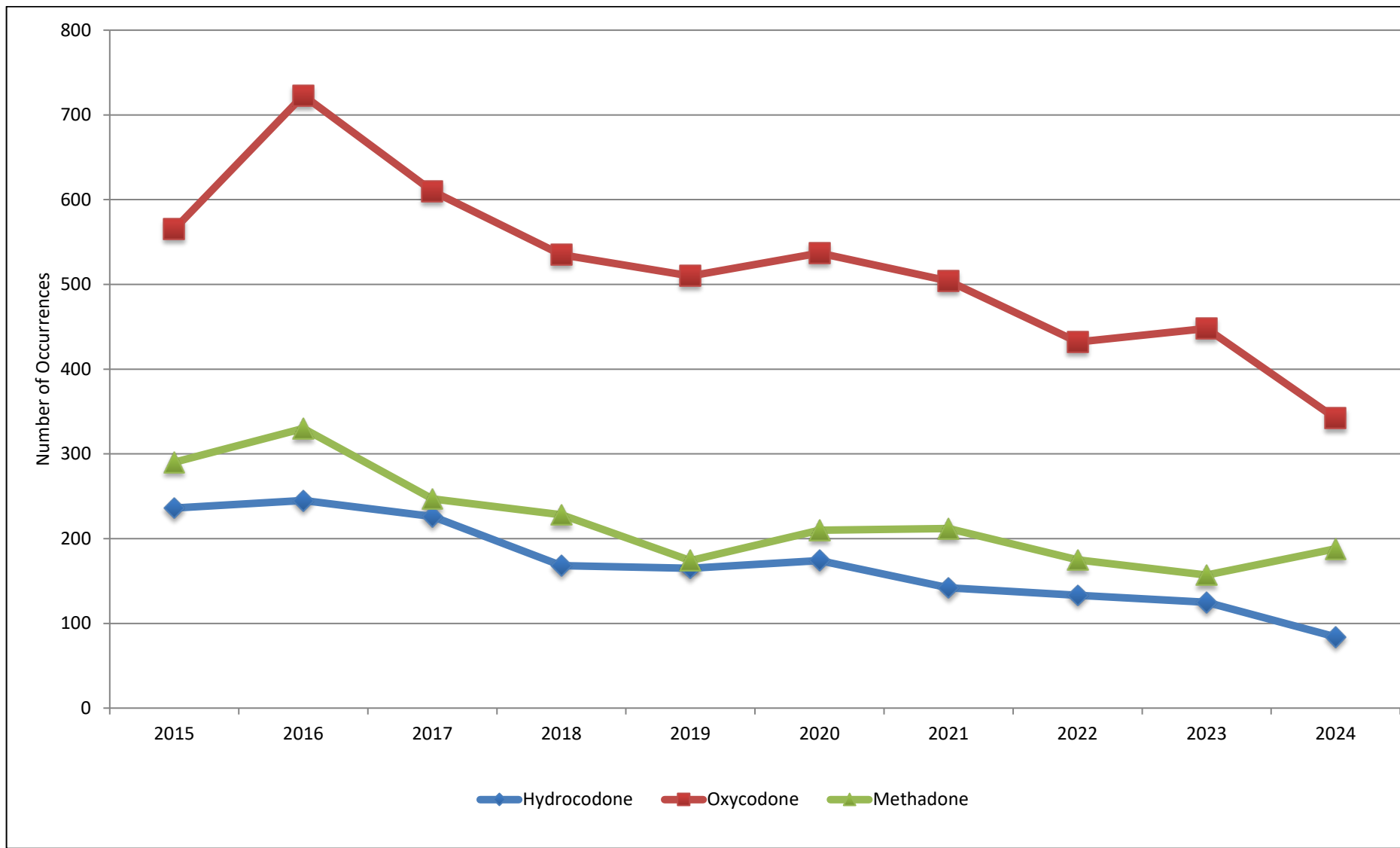
A map of Florida showing its 67 counties, each labeled with its name. The counties are colored based on the 2024 election results: yellow for Republican, blue for Democratic, and orange for a third party. Madison County is colored orange. Union County is colored green. All other counties are colored yellow or blue. The year '2024' is printed in large black font at the top center of the map.



Historical Overview of Hydrocodone, Oxycodone, and Methadone Occurrences (Present and Cause) 2015 to 2024



Historical Overview of Deaths Caused by Hydrocodone, Oxycodone, and Methadone 2015 to 2024



Morphine Deaths

January – December 2024

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
4	1	3
3	0	3
19	5	14
34	11	23
36	24	12
14	8	6
7	2	5
77	8	69
23	5	18
38	15	23
25	7	18
50	22	28
11	3	8
53	11	42
3	1	2
27	13	14
18	10	8
16	6	10
11	4	7
33	17	16
6	3	3
11	4	7
4	2	2
12	4	8
554	191	363

Deaths with Morphine Only		
Total	Cause	Present
2	0	2
0	0	0
0	0	0
3	0	3
7	0	7
4	1	3
1	0	1
1	0	1
9	0	9
4	1	3
4	0	4
2	0	2
9	1	8
2	0	2
6	0	6
0	0	0
0	0	0
2	1	1
2	0	2
3	0	3
6	0	6
0	0	0
0	0	0
0	0	0
2	0	2
69	4	65

Deaths with Morphine in Combination with Other Drugs		
Total	Cause	Present
17	5	12
4	1	3
3	0	3
16	5	11
27	11	16
32	23	9
13	8	5
6	2	4
68	8	60
19	4	15
34	15	19
23	7	16
41	21	20
9	3	6
47	11	36
3	1	2
27	13	14
16	9	7
14	6	8
8	4	4
27	17	10
6	3	3
11	4	7
4	2	2
10	4	6
485	187	298

Morphine Deaths by Age

January – December 2024

Medical Examiner District and Area of Florida		
District	Area of Florida	Total
1	Pensacola	19
2	Tallahassee	4
3	Live Oak	3
4	Jacksonville	19
5	Leesburg	34
6	St. Petersburg	36
7	Daytona Beach	14
8	Gainesville	7
9	Orlando	77
10	Lakeland	23
11	Miami	38
12	Sarasota	25
13	Tampa	50
14	Panama City	11
15	West Palm Beach	53
16	Florida Keys	3
17	Ft. Lauderdale	27
18	Melbourne	18
19	Ft. Pierce	16
20	Naples	11
21	Ft. Myers	33
22	Port Charlotte	6
23	St. Augustine	11
24	Sanford	4
25	Kissimmee	12
Statewide Totals		554

Morphine Caused Death						
Age of Decedent						
Total	<18	18-25	26-34	35-50	>50	
5	0	1	0	1	3	
1	0	0	0	1	0	
0	0	0	0	0	0	
5	0	1	0	4	0	
11	0	0	2	4	5	
24	0	0	1	6	17	
8	0	0	2	1	5	
2	0	0	0	1	1	
8	1	2	0	3	2	
5	0	0	0	3	2	
15	1	1	0	11	2	
7	0	0	0	2	5	
22	0	2	5	6	9	
3	0	0	0	1	2	
11	0	0	1	5	5	
1	0	0	0	0	1	
13	0	0	1	1	11	
10	0	0	1	2	7	
6	0	0	1	0	5	
4	0	0	0	2	2	
17	0	0	2	3	12	
3	0	0	0	0	3	
4	0	0	1	1	2	
2	0	0	0	1	1	
4	0	0	1	2	1	
191	2	7	18	61	103	

Morphine Present at Death						
Age of Decedent						
Total	<18	18-25	26-34	35-50	>50	
14	0	1	1	2	10	
3	0	0	0	2	1	
3	0	0	0	0	3	
14	1	0	2	3	8	
23	0	0	2	4	17	
12	0	0	2	3	7	
6	0	0	0	1	5	
5	0	0	0	2	3	
69	0	1	1	6	61	
18	1	0	2	3	12	
23	0	1	1	6	15	
18	0	1	0	6	11	
28	0	0	0	7	21	
8	0	1	2	3	2	
42	0	3	6	12	21	
2	0	0	0	1	1	
14	1	0	1	4	8	
8	0	0	0	1	7	
10	0	0	0	2	8	
7	0	0	0	1	6	
16	0	0	0	2	14	
3	0	0	0	2	1	
7	0	1	0	1	5	
2	0	0	0	0	2	
8	0	0	0	0	8	
363	3	9	20	74	257	

A map of Florida showing its 67 counties. The counties are colored based on the 2024 election results. The colors are: Yellow (e.g., Duval, Alachua, Polk, Broward), Orange (e.g., Washington, Calhoun, Franklin, Putnam, Orange, Glades), and White (e.g., Walton, Bay, Liberty, Wakulla, Taylor, Madison, Hamilton, Suwannee, Baker, Clay, St. Johns, Flagler, Volusia, Seminole, Brevard, Indian River, St. Lucie, Martin, Palm Beach, Monroe, Collier, Hendry, Lee, Charlotte, DeSoto, Hardee, Highlands, Okeechobee, Escambia, Santa Rosa, Okaloosa, Holmes, Jackson, Gadsden, Leon, Jefferson, Madison, Hamilton, Suwannee, Baker, Clay, St. Johns, Flagler, Volusia, Seminole, Brevard, Indian River, St. Lucie, Martin, Palm Beach, Monroe, Collier, Hendry, Lee, Charlotte, DeSoto, Hardee, Highlands, Okeechobee).



Fentanyl Deaths

January – December 2024

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
153	135	18
39	33	6
23	16	7
304	267	37
249	213	36
402	383	19
164	156	8
39	33	6
272	208	64
96	78	18
266	227	39
109	96	13
254	236	18
50	35	15
264	227	37
10	10	0
300	278	22
199	171	28
74	68	6
39	39	0
173	149	24
18	17	1
54	50	4
37	31	6
79	68	11
3,667	3,224	443

Deaths with Fentanyl Only		
Total	Cause	Present
20	16	4
6	3	3
2	1	1
20	18	2
37	28	9
27	26	1
8	8	0
2	2	0
38	29	9
9	8	1
3	1	2
3	2	1
42	36	6
7	4	3
13	8	5
1	1	0
15	12	3
13	9	4
6	6	0
3	3	0
18	13	5
2	2	0
4	3	1
3	1	2
16	13	3
318	253	65

Deaths with Fentanyl in Combination with Other Drugs		
Total	Cause	Present
133	119	14
33	30	3
21	15	6
284	249	35
212	185	27
375	357	18
156	148	8
37	31	6
234	179	55
87	70	17
263	226	37
106	94	12
212	200	12
43	31	12
251	219	32
9	9	0
285	266	19
186	162	24
68	62	6
36	36	0
155	136	19
16	15	1
50	47	3
34	30	4
63	55	8
3,349	2,971	378

Fentanyl Deaths by Age

January – December 2024

Medical Examiner District and Area of Florida		
District	Area of Florida	Total
1	Pensacola	153
2	Tallahassee	39
3	Live Oak	23
4	Jacksonville	304
5	Leesburg	249
6	St. Petersburg	402
7	Daytona Beach	164
8	Gainesville	39
9	Orlando	272
10	Lakeland	96
11	Miami	266
12	Sarasota	109
13	Tampa	254
14	Panama City	50
15	West Palm Beach	264
16	Florida Keys	10
17	Ft. Lauderdale	300
18	Melbourne	199
19	Ft. Pierce	74
20	Naples	39
21	Ft. Myers	173
22	Port Charlotte	18
23	St. Augustine	54
24	Sanford	37
25	Kissimmee	79
Statewide Totals		3,667

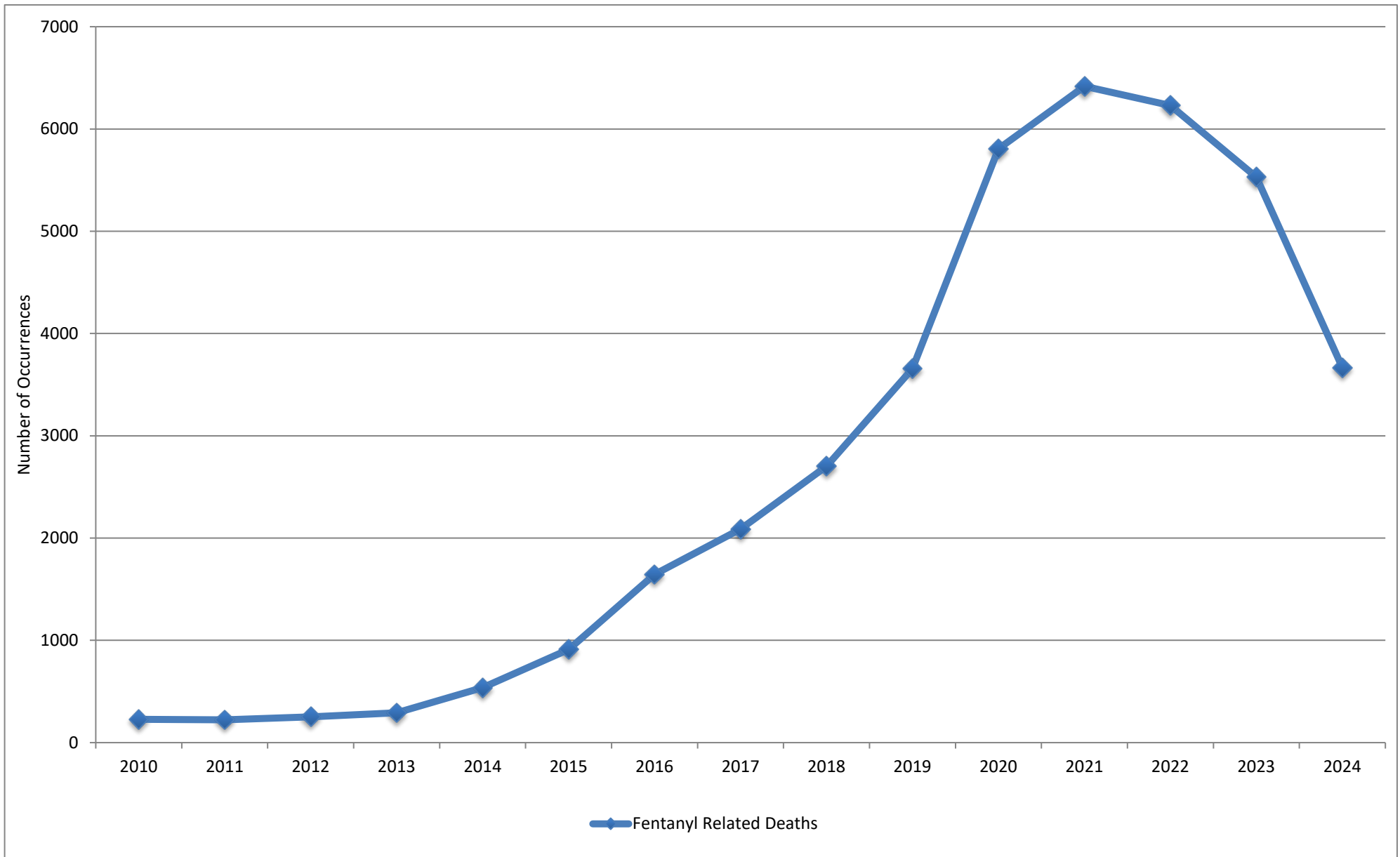
Fentanyl Caused Death					
Age of Decedent					
Total	<18	18-25	26-34	35-50	>50
135	2	6	18	68	41
33	0	5	5	15	8
16	0	0	4	8	4
267	7	17	39	125	79
213	1	13	40	101	58
383	6	17	72	169	119
156	1	6	30	71	48
33	0	2	8	15	8
208	7	14	41	88	58
78	0	5	16	40	17
227	2	17	46	88	74
96	0	2	22	42	30
236	2	15	47	110	62
35	1	0	8	21	5
227	2	19	52	102	52
10	0	0	2	4	4
278	2	16	64	109	87
171	0	6	37	75	53
68	0	4	15	27	22
39	1	2	8	19	9
149	2	13	31	56	47
17	0	4	2	6	5
50	0	4	12	17	17
31	0	1	8	15	7
68	0	6	14	30	18
3,224	36	194	641	1,421	932

Fentanyl Present at Death					
Age of Decedent					
Total	<18	18-25	26-34	35-50	>50
18	0	4	4	4	6
6	0	0	0	3	3
7	0	0	0	5	2
37	1	1	9	11	15
36	0	0	9	11	16
19	0	0	3	13	3
8	0	0	0	4	4
6	0	0	0	6	0
64	1	5	4	19	35
18	0	1	5	2	10
39	2	2	4	10	21
13	0	0	2	6	5
18	0	1	3	4	10
15	1	2	2	6	4
37	1	3	10	6	17
0	0	0	0	0	0
22	0	1	3	11	7
28	0	1	0	10	17
6	0	0	0	4	2
0	0	0	0	0	0
24	0	3	2	4	15
1	0	0	0	1	0
4	0	0	0	1	3
6	0	0	0	0	6
11	0	1	2	2	6
443	6	25	62	143	207

	0
	0.01 - 4.99
	5.00 - 9.99
	10.00 - 14.99
	15.00 - 19.99
	20.00 - 24.99
	> 25.00

Historical Overview of Fentanyl Occurrences¹

(Present and Cause)
2010 to 2024



¹Prior to 2016, the number of fentanyl occurrences indicated includes occurrences of fentanyl analogs. Starting in 2016, fentanyl analogs were tracked separately.

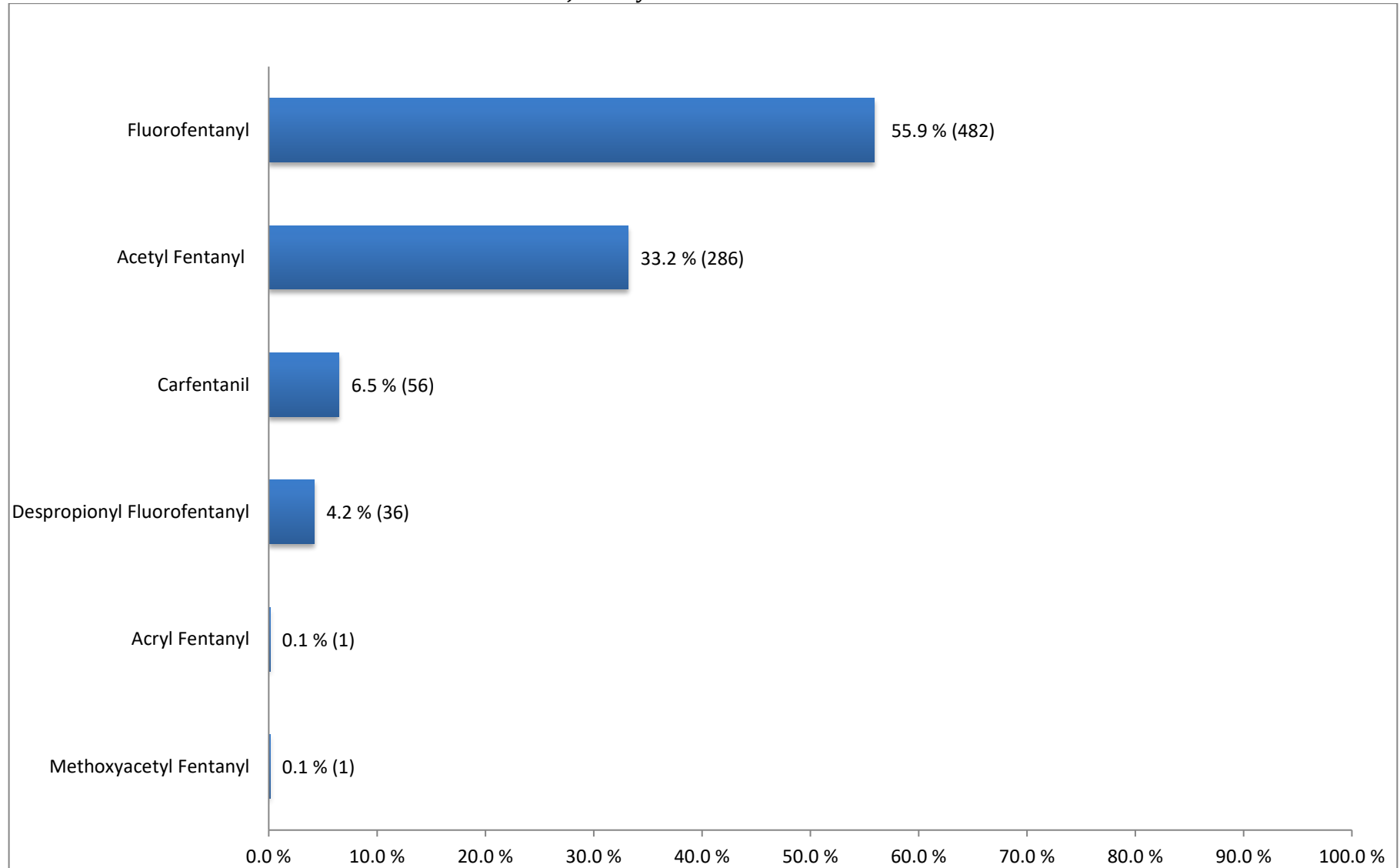
Prescription Drugs in Medical Examiner Deaths

2023 versus 2024

Medical Examiner District and Area of Florida		Total Prescription Drug Deaths in ME Deaths (Present and Cause)			Accidental Deaths with Prescription Drugs (Present and Cause)			Accidental Deaths Caused by Prescription Drugs		
District	Area of Florida	2023	2024	Percent Change	2023	2024	Percent Change	2023	2024	Percent Change
1	Pensacola	387	272	-29.7%	307	194	-36.8%	268	155	-42.2%
2	Tallahassee	74	93	25.7%	58	58	0%	49	42	-14.3%
3	Live Oak	58	54	-6.9%	45	34	-24.4%	37	22	-40.5%
4	Jacksonville	756	469	-38.0%	581	361	-37.9%	487	303	-37.8%
5	Leesburg	310	396	27.7%	234	285	21.8%	198	241	21.7%
6	St. Petersburg	905	669	-26.1%	724	513	-29.1%	645	444	-31.2%
7	Daytona Beach	310	257	-17.1%	265	198	-25.3%	231	177	-23.4%
8	Gainesville	85	104	22.4%	67	60	-10.4%	54	37	-31.5%
9	Orlando	735	530	-27.9%	583	407	-30.2%	354	226	-36.2%
10	Lakeland	259	206	-20.5%	171	139	-18.7%	125	91	-27.2%
11	Miami	633	551	-13.0%	413	345	-16.5%	292	237	-18.8%
12	Sarasota	356	235	-34.0%	266	153	-42.5%	236	119	-49.6%
13	Tampa	606	458	-24.4%	485	315	-35.1%	430	265	-38.4%
14	Panama City	96	106	10.4%	70	55	-21.4%	56	38	-32.1%
15	West Palm Beach	682	467	-31.5%	516	305	-40.9%	438	240	-45.2%
16	Florida Keys	27	23	-14.8%	18	15	-16.7%	13	14	7.7%
17	Ft. Lauderdale	659	478	-27.5%	521	352	-32.4%	484	297	-38.6%
18	Melbourne	324	304	-6.2%	229	205	-10.5%	191	162	-15.2%
19	Ft. Pierce	240	202	-15.8%	174	110	-36.8%	137	82	-40.1%
20	Naples	124	82	-33.9%	97	57	-41.2%	82	43	-47.6%
21	Ft. Myers	353	295	-16.4%	255	206	-19.2%	221	170	-23.1%
22	Port Charlotte	71	58	-18.3%	46	36	-21.7%	33	28	-15.2%
23	St. Augustine	125	123	-1.6%	97	83	-14.4%	80	62	-22.5%
24	Sanford	76	65	-14.5%	65	48	-26.2%	58	40	-31.0%
25	Kissimmee	210	134	-36.2%	178	94	-47.2%	140	72	-48.6%
Statewide Totals		8,461	6,631	-21.6%	6,465	4,628	-28.4%	5,339	3,607	-32.4%
These tables are based on prescription drugs tracked by the Medical Examiners Commission and reported by Florida Medical Examiners. Do not add across columns.		These individuals died with one or more prescription drugs in their system. The drugs were identified as either the cause of death or merely present in the decedent and also may have been mixed with illicit drugs and/or alcohol.			The manner of death for these decedents was reported as accidental. These individuals died with one or more prescription drugs in their system. The drugs were identified as either the cause of death or merely present in the decedent and also may have been mixed with illicit drugs and/or alcohol.			The manner of death for these decedents was reported as accidental. These individuals died with at least one prescription drug in their system that was identified as causing or contributing to the death. These drugs may also have been mixed with illicit drugs and/or alcohol.		

Frequency of Occurrence of Fentanyl Analogs

January – December 2024



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

Fentanyl Analog* Deaths

January – December 2024

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 Analogs		
Total	Cause	Present
16	15	1
11	11	0
4	3	1
64	59	5
18	18	0
28	19	9
24	21	3
13	9	4
8	7	1
32	18	14
89	82	7
34	18	16
2	2	0
8	8	0
98	93	5
6	0	6
146	141	5
14	11	3
19	15	4
18	9	9
29	29	0
0	0	0
12	12	0
1	1	0
2	2	0
696	603	93

Deaths with Fentanyl Analogs Only		
Total	Cause	Present
0	0	0
0	0	0
0	0	0
0	0	0
1	1	0
0	0	0
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
2	2	0

Deaths with Fentanyl Analogs in Combination with Other Drugs		
Total	Cause	Present
16	15	1
11	11	0
4	3	1
64	59	5
17	17	0
28	19	9
23	20	3
13	9	4
8	7	1
32	18	14
89	82	7
34	18	16
2	2	0
8	8	0
98	93	5
6	0	6
146	141	5
14	11	3
19	15	4
18	9	9
29	29	0
0	0	0
12	12	0
1	1	0
2	2	0
694	601	93

*Does not include 4-ANPP.

Fentanyl Analog* Deaths by Age

January – December 2024

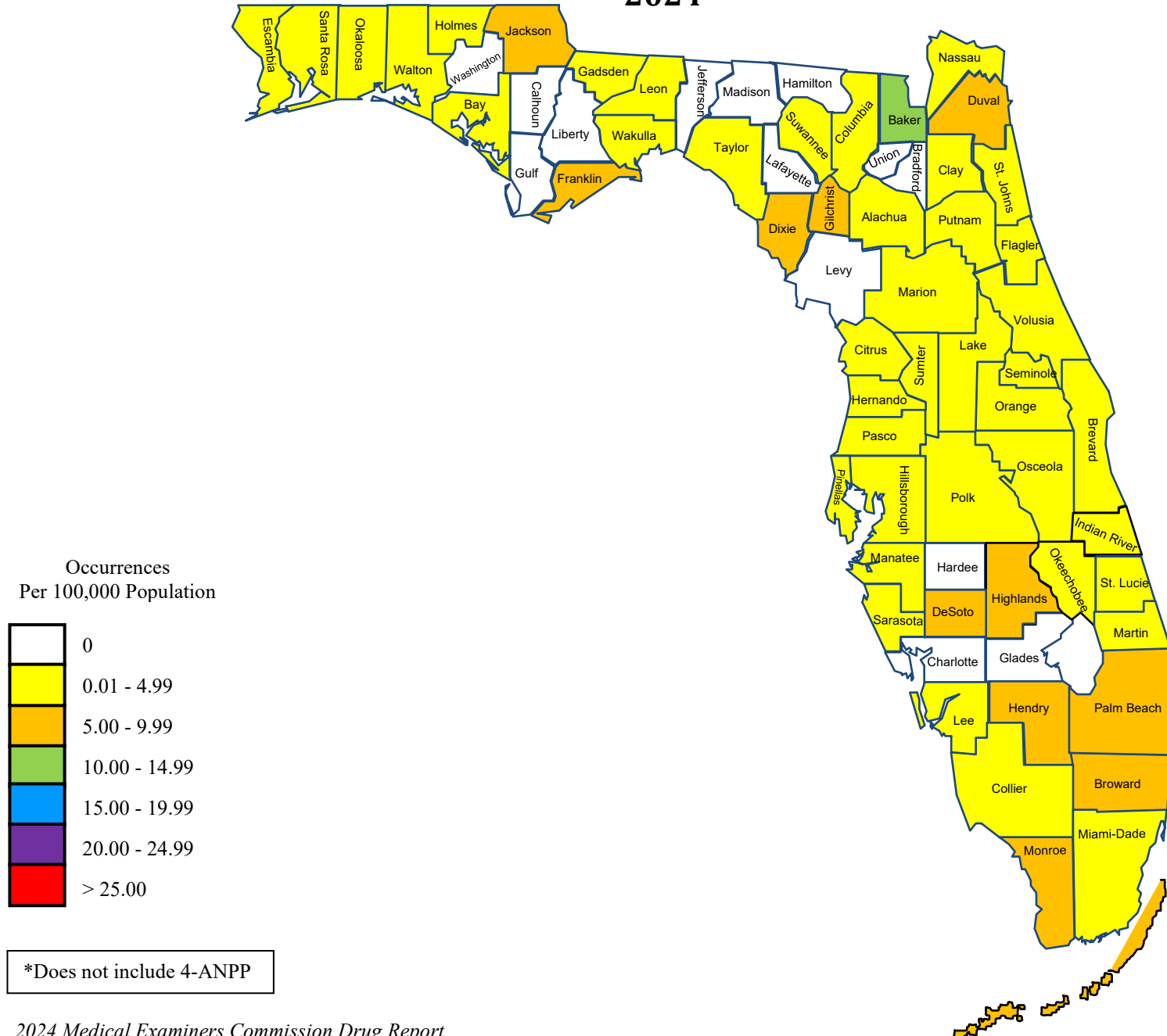
Medical Examiner District and Area of Florida		
District	Area of Florida	Total
1	Pensacola	16
2	Tallahassee	11
3	Live Oak	4
4	Jacksonville	64
5	Leesburg	18
6	St. Petersburg	28
7	Daytona Beach	24
8	Gainesville	13
9	Orlando	8
10	Lakeland	32
11	Miami	89
12	Sarasota	34
13	Tampa	2
14	Panama City	8
15	West Palm Beach	98
16	Florida Keys	6
17	Ft. Lauderdale	146
18	Melbourne	14
19	Ft. Pierce	19
20	Naples	18
21	Ft. Myers	29
22	Port Charlotte	0
23	St. Augustine	12
24	Sanford	1
25	Kissimmee	2
Statewide Totals		696

Fentanyl Analogs Caused Death						
Age of Decedent						
Total	<18	18-25	26-34	35-50	>50	
15	0	0	3	9	3	
11	0	2	1	6	2	
3	0	0	1	0	2	
59	0	3	13	28	15	
18	0	3	3	10	2	
19	0	2	7	7	3	
21	1	0	5	11	4	
9	0	0	3	5	1	
7	0	0	3	3	1	
18	0	0	7	6	5	
82	0	10	18	32	22	
18	0	0	6	7	5	
2	0	0	0	2	0	
8	1	0	1	3	3	
93	0	8	26	40	19	
0	0	0	0	0	0	
141	1	8	31	55	46	
11	0	0	2	6	3	
15	0	1	4	6	4	
9	1	0	2	5	1	
29	1	0	9	11	8	
0	0	0	0	0	0	
12	0	1	2	7	2	
1	0	0	1	0	0	
2	0	0	1	0	1	
603	5	38	149	259	152	

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	
1	0	0	0	1	0	
5	0	0	1	4	0	
0	0	0	0	0	0	
9	0	0	2	3	4	
3	0	0	0	2	1	
4	0	0	0	4	0	
1	0	0	0	1	0	
14	0	1	5	4	4	
7	0	0	0	3	4	
16	0	0	6	6	4	
0	0	0	0	0	0	
0	0	0	0	0	0	
5	0	2	2	1	0	
6	0	0	2	3	1	
5	0	0	0	4	1	
3	0	0	2	0	1	
4	0	0	0	3	1	
9	0	1	1	4	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	
93	0	4	22	43	24	

*Does not include 4-ANPP.

Fentanyl Analog* Deaths by County 2024



Cocaine Deaths

January – December 2024

Medical Examiner District and Area of Florida		Total Deaths with Cocaine			Deaths with Cocaine Only			Deaths with Cocaine in Combination with Other Drugs		
District	Area of Florida	Total	Cause	Present	Total	Cause	Present	Total	Cause	Present
1	Pensacola	85	73	12	11	11	0	74	62	12
2	Tallahassee	27	8	19	6	3	3	21	5	16
3	Live Oak	15	4	11	3	2	1	12	2	10
4	Jacksonville	262	188	74	44	30	14	218	158	60
5	Leesburg	93	81	12	16	14	2	77	67	10
6	St. Petersburg	298	201	97	41	26	15	257	175	82
7	Daytona Beach	127	105	22	12	6	6	115	99	16
8	Gainesville	55	29	26	10	5	5	45	24	21
9	Orlando	238	184	54	49	39	10	189	145	44
10	Lakeland	79	57	22	14	13	1	65	44	21
11	Miami	342	218	124	34	17	17	308	201	107
12	Sarasota	130	77	53	24	14	10	106	63	43
13	Tampa	197	107	90	47	19	28	150	88	62
14	Panama City	22	14	8	3	3	0	19	11	8
15	West Palm Beach	278	122	156	31	15	16	247	107	140
16	Florida Keys	15	8	7	2	1	1	13	7	6
17	Ft. Lauderdale	258	184	74	41	29	12	217	155	62
18	Melbourne	117	65	52	17	7	10	100	58	42
19	Ft. Pierce	57	37	20	12	6	6	45	31	14
20	Naples	25	11	14	2	1	1	23	10	13
21	Ft. Myers	112	61	51	20	11	9	92	50	42
22	Port Charlotte	16	6	10	3	0	3	13	6	7
23	St. Augustine	24	10	14	5	1	4	19	9	10
24	Sanford	28	25	3	6	6	0	22	19	3
25	Kissimmee	51	45	6	12	10	2	39	35	4
Statewide Totals		2,951	1,920	1,031	465	289	176	2,486	1,631	855

Cocaine Deaths by Age

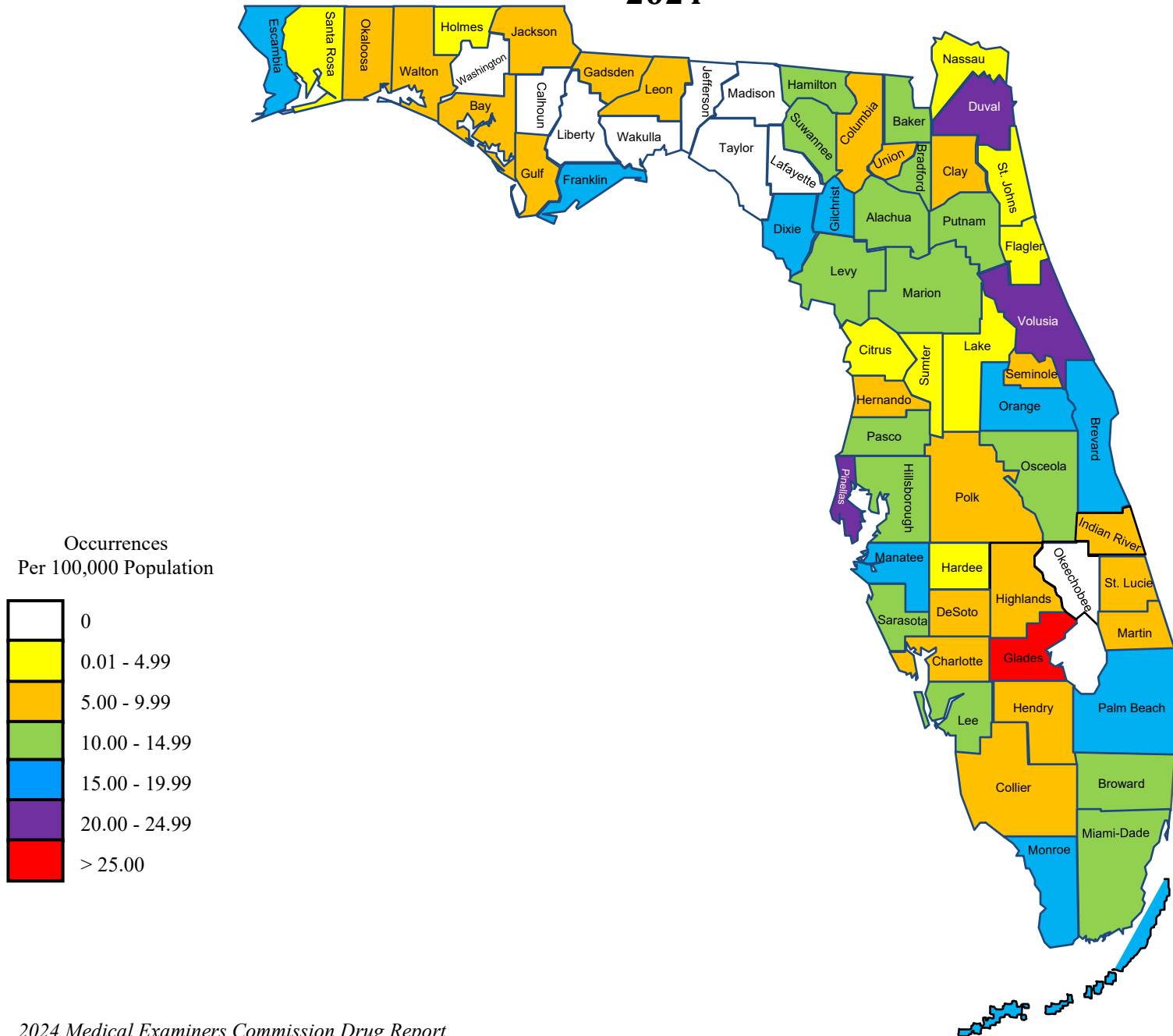
January – December 2024

Medical Examiner District and Area of Florida		
District	Area of Florida	Total
1	Pensacola	85
2	Tallahassee	27
3	Live Oak	15
4	Jacksonville	262
5	Leesburg	93
6	St. Petersburg	298
7	Daytona Beach	127
8	Gainesville	55
9	Orlando	238
10	Lakeland	79
11	Miami	342
12	Sarasota	130
13	Tampa	197
14	Panama City	22
15	West Palm Beach	278
16	Florida Keys	15
17	Ft. Lauderdale	258
18	Melbourne	117
19	Ft. Pierce	57
20	Naples	25
21	Ft. Myers	112
22	Port Charlotte	16
23	St. Augustine	24
24	Sanford	28
25	Kissimmee	51
Statewide Totals		2,951

Cocaine Caused Death						
Age of Decedent						
Total	<18	18-25	26-34	35-50	>50	
73	0	2	5	24	42	
8	0	0	1	2	5	
4	0	0	1	1	2	
188	1	4	16	79	88	
81	0	2	9	40	30	
201	3	10	31	78	79	
105	1	3	17	32	52	
29	0	1	7	9	12	
184	2	4	21	70	87	
57	0	7	3	17	30	
218	0	5	27	79	107	
77	0	1	11	28	37	
107	0	8	14	35	50	
14	0	0	2	5	7	
122	1	3	26	51	41	
8	0	0	1	4	3	
184	1	2	30	71	80	
65	0	1	12	20	32	
37	0	0	6	14	17	
11	0	0	2	3	6	
61	1	7	11	16	26	
6	0	2	1	1	2	
10	0	0	3	1	6	
25	0	1	2	10	12	
45	0	3	6	18	18	
1,920	10	66	265	708	871	

Cocaine Present at Death						
Age of Decedent						
Total	<18	18-25	26-34	35-50	>50	
12	0	0	3	7	2	
19	0	1	1	7	10	
11	0	0	1	6	4	
74	0	4	10	29	31	
12	0	1	1	7	3	
97	1	4	18	40	34	
22	0	0	4	2	16	
26	0	0	1	14	11	
54	0	2	10	26	16	
22	0	3	4	8	7	
124	2	6	20	60	36	
53	0	5	11	19	18	
90	0	6	20	27	37	
8	1	2	1	3	1	
156	0	19	27	58	52	
7	0	0	1	5	1	
74	0	5	13	23	33	
52	0	3	9	17	23	
20	1	2	1	6	10	
14	0	0	2	8	4	
51	0	5	10	16	20	
10	0	2	0	5	3	
14	0	1	1	6	6	
3	0	0	1	2	0	
6	0	0	4	2	0	
1,031	5	71	174	403	378	

Cocaine Deaths by County 2024



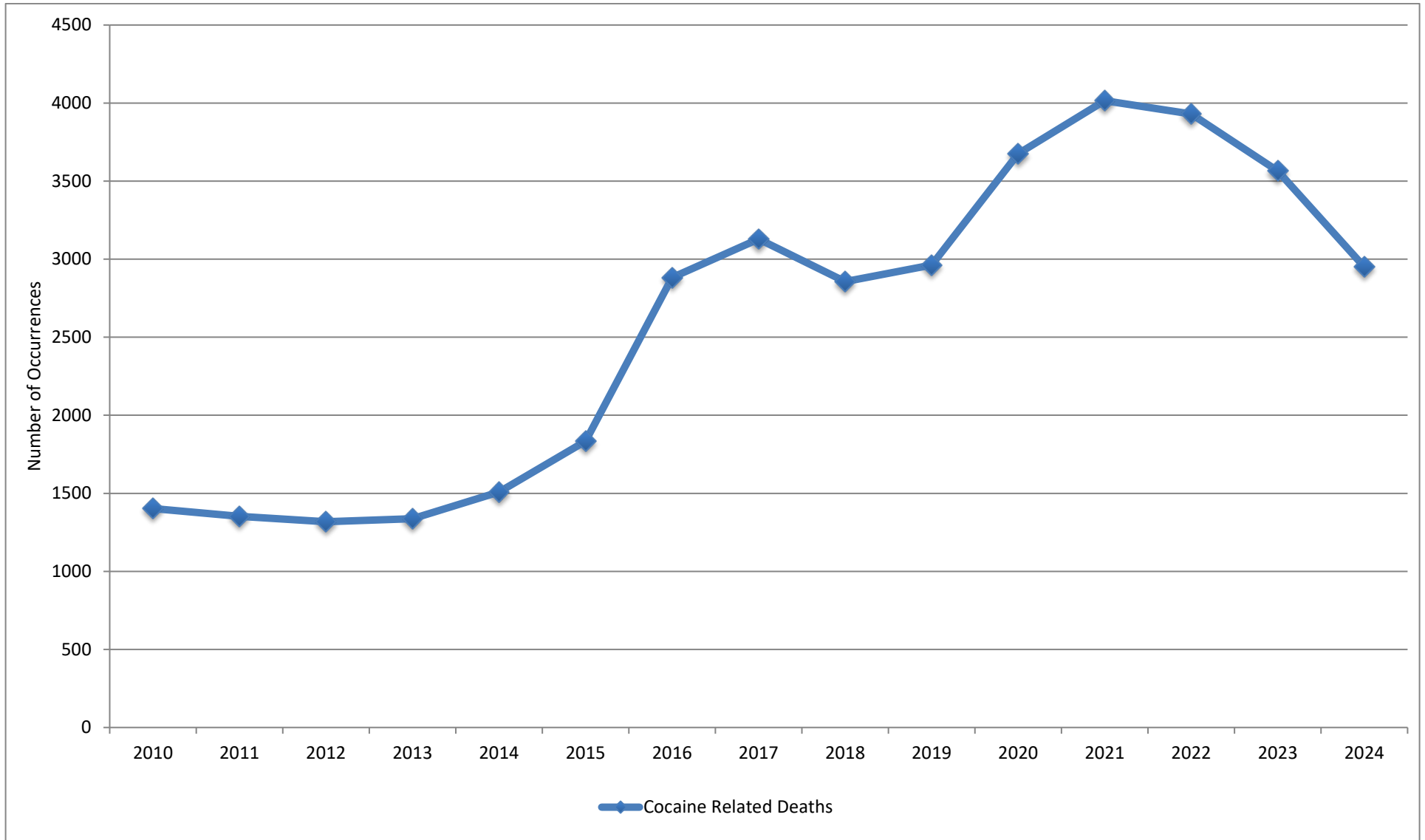
Cocaine Related Deaths by Medical Examiner District

(Present and Cause)
2010 to 2024

District	Area of Florida	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
1	Pensacola	36	34	34	31	56	80	57	58	71	73	93	120	165	121	85
2	Tallahassee	25	36	25	23	20	18	32	15	11	20	27	26	32	21	27
3	Live Oak	9	8	13	10	6	5	10	4	12	7	6	12	15	12	15
4	Jacksonville	115	113	119	119	107	146	266	359	251	279	335	341	357	317	262
5	Leesburg	52	48	46	57	62	54	128	109	84	77	87	98	110	72	93
6	St. Petersburg	134	112	125	100	98	101	157	187	225	250	284	334	354	371	298
7	Daytona Beach	44	43	36	37	34	37	51	88	102	76	127	130	117	106	127
8	Gainesville	39	34	30	29	30	31	41	43	35	46	48	55	60	29	55
9	Orlando	128	124	120	137	181	203	230	234	266	265	290	364	326	318	238
10	Lakeland	42	29	27	37	33	33	53	70	67	50	77	93	95	87	79
11	Miami	198	184	198	226	234	289	439	401	363	418	449	471	425	422	342
12	Sarasota	57	54	60	60	84	134	147	132	96	117	157	158	174	151	130
13	Tampa	83	96	59	74	65	84	108	109	140	140	216	255	241	244	197
14	Panama City	9	9	10	11	13	15	5	15	20	30	26	22	20	16	22
15	West Palm Beach	106	91	87	105	143	173	405	417	338	343	407	434	429	381	278
16	Florida Keys	11	7	13	4	6	13	20	20	11	15	12	15	29	19	15
17	Ft. Lauderdale	127	115	129	102	99	152	328	321	236	277	427	449	423	349	258
18	Melbourne	49	38	52	53	60	86	103	128	114	130	158	132	58	102	117
19	Ft. Pierce	20	40	24	34	50	49	71	88	69	66	89	102	93	72	57
20	Naples	13	23	16	10	29	23	40	32	45	61	58	78	80	54	25
21	Ft. Myers	53	73	56	51	63	71	99	152	146	98	128	135	134	108	112
22	Port Charlotte	5	7	9	2	10	12	9	13	10	12	17	20	15	13	16
23	St. Augustine	23	15	11	11	1	9	23	39	33	24	53	39	35	39	24
24	Sanford	24	20	19	14	24	16	37	41	50	44	33	40	48	28	28
25	Kissimmee							23	54	61	44	71	92	95	113	51
Statewide Total		1,402	1,353	1,318	1,337	1,508	1,834	2,882	3,129	2,856	2,962	3,675	4,015	3,930	3,565	2,951

Prior to 2016, District 9 included Orange and Osceola Counties. Both counties enacted Home Rule authority in 2016 and District 9 was split into two districts, with Orange County staying District 9 and Osceola County becoming District 25

Historical Overview of Cocaine Occurrences (Present and Cause) 2010 to 2024



Heroin Deaths

January – December 2024

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
2	2	0
0	0	0
2	2	0
2	2	0
9	7	2
0	0	0
1	1	0
1	1	0
1	0	1
11	10	1
3	1	2
10	9	1
1	0	1
6	5	1
0	0	0
9	7	2
1	1	0
2	2	0
3	3	0
4	4	0
1	1	0
0	0	0
0	0	0
1	1	0
74	63	11

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

Deaths with Heroin in Combination with Other Drugs		
Total	Cause	Present
4	4	0
2	2	0
0	0	0
2	2	0
2	2	0
9	7	2
0	0	0
1	1	0
1	1	0
1	0	1
11	10	1
3	1	2
10	9	1
1	0	1
6	5	1
0	0	0
9	7	2
1	1	0
2	2	0
3	3	0
4	4	0
1	1	0
0	0	0
0	0	0
1	1	0
74	63	11

Heroin Deaths by Age

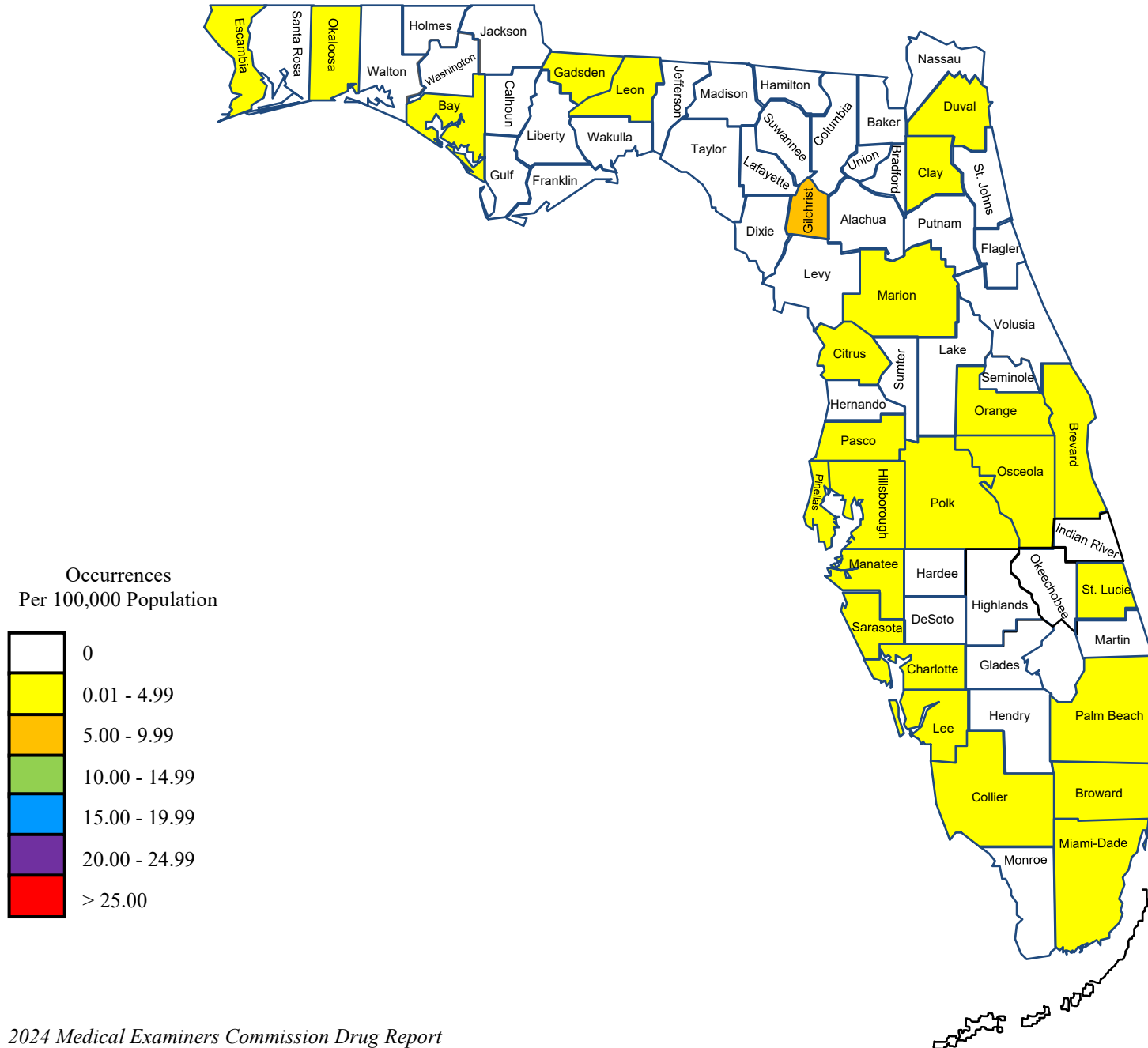
January – December 2024

Medical Examiner District and Area of Florida		
District	Area of Florida	Total
1	Pensacola	4
2	Tallahassee	2
3	Live Oak	0
4	Jacksonville	2
5	Leesburg	2
6	St. Petersburg	9
7	Daytona Beach	0
8	Gainesville	1
9	Orlando	1
10	Lakeland	1
11	Miami	11
12	Sarasota	3
13	Tampa	10
14	Panama City	1
15	West Palm Beach	6
16	Florida Keys	0
17	Ft. Lauderdale	9
18	Melbourne	1
19	Ft. Pierce	2
20	Naples	3
21	Ft. Myers	4
22	Port Charlotte	1
23	St. Augustine	0
24	Sanford	0
25	Kissimmee	1
Statewide Totals		74

Heroin Caused Death					
Age of Decedent					
Total	<18	18-25	26-34	35-50	>50
4	0	1	1	1	1
2	0	0	0	2	0
0	0	0	0	0	0
2	0	0	0	0	2
2	0	0	0	2	0
7	0	0	1	2	4
0	0	0	0	0	0
1	0	0	0	1	0
1	0	0	0	1	0
0	0	0	0	0	0
10	0	1	0	7	2
1	0	0	0	1	0
9	0	0	3	4	2
0	0	0	0	0	0
5	0	0	1	3	1
0	0	0	0	0	0
7	0	0	3	3	1
1	0	0	0	0	1
2	0	0	0	2	0
3	0	0	0	1	2
4	0	0	1	1	2
1	0	0	0	0	1
0	0	0	0	0	0
0	0	0	0	0	0
1	0	0	0	1	0
63	0	2	10	32	19

Heroin 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
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
2	0	0	0	1	1
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
1	0	0	0	1	0
1	0	0	0	0	1
2	0	0	0	0	2
1	0	0	0	1	0
1	0	0	0	1	0
0	0	0	0	0	0
0	0	0	0	0	0
2	0	0	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
11	0	0	1	6	4

Heroin Deaths by County 2024



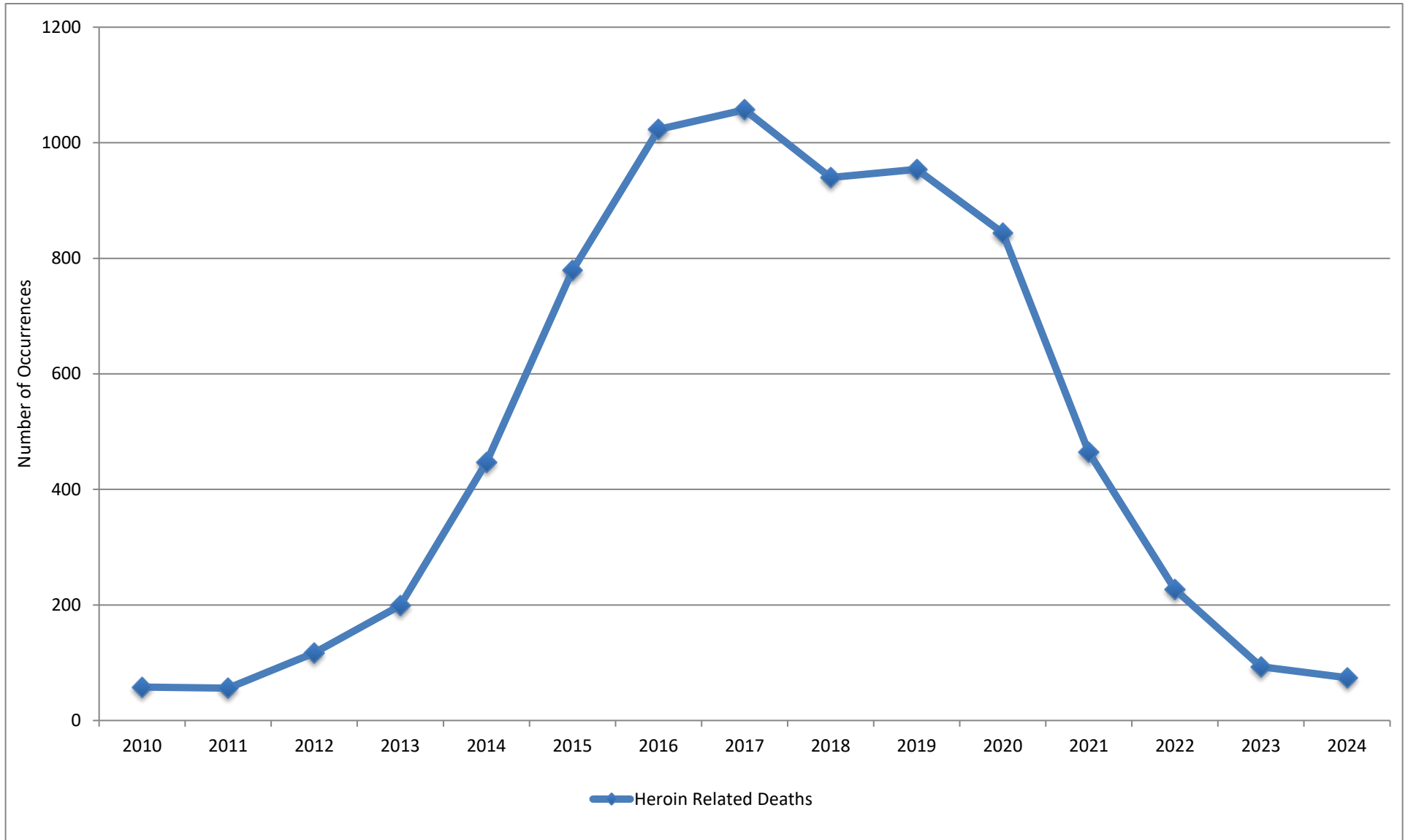
Heroin Related Deaths by Medical Examiner District (Present and Cause) 2010 to 2024

District	Area of Florida	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
1	Pensacola	0	0	1	3	12	28	34	30	35	35	63	46	22	5	4
2	Tallahassee	0	1	0	1	2	0	1	2	1	4	5	4	3	2	2
3	Live Oak	0	0	0	1	0	1	0	2	0	0	5	0	0	0	0
4	Jacksonville	1	3	14	15	16	45	81	98	60	50	35	6	7	3	2
5	Leesburg	0	1	3	2	16	8	40	34	44	56	46	30	12	2	2
6	St. Petersburg	3	1	1	4	7	14	18	22	56	73	55	20	12	12	9
7	Daytona Beach	1	0	1	3	4	20	21	37	75	34	44	21	11	0	0
8	Gainesville	0	0	2	1	2	3	2	4	2	5	4	6	2	2	1
9	Orlando	10	18	26	41	83	108	68	59	54	58	37	17	6	2	1
10	Lakeland	1	0	1	4	7	10	11	10	5	11	19	4	6	0	1
11	Miami	26	15	33	40	60	92	139	97	59	68	43	21	8	9	11
12	Sarasota	2	2	8	19	55	68	32	22	17	20	15	6	1	2	3
13	Tampa	1	2	2	3	22	35	52	75	114	77	119	49	32	8	10
14	Panama City	1	0	0	2	2	4	8	4	7	18	12	8	0	2	1
15	West Palm Beach	4	6	6	20	51	165	205	215	174	205	138	98	59	20	6
16	Florida Keys	0	0	1	1	0	1	7	4	0	1	2	1	0	1	0
17	Ft. Lauderdale	5	3	9	11	28	80	180	186	110	133	118	73	32	15	9
18	Melbourne	0	0	0	2	7	12	21	25	18	8	2	4	1	0	1
19	Ft. Pierce	1	1	2	3	7	8	7	13	4	3	3	1	0	0	2
20	Naples	0	0	0	2	14	11	15	15	14	17	24	18	4	1	3
21	Ft. Myers	0	1	4	12	30	43	30	34	35	22	22	10	3	4	4
22	Port Charlotte	0	0	1	1	3	2	3	1	3	4	3	4	0	0	1
23	St. Augustine	1	0	1	1	1	2	6	14	5	11	9	3	1	1	0
24	Sanford	1	2	1	7	18	19	27	33	31	23	7	5	0	1	0
25	Kissimmee							15	21	17	18	14	9	5	1	1
Statewide Totals		58	56	117	199	447	779	1,023	1,057	940	954	844	464	227	93	74

Prior to 2016, District 9 included Orange and Osceola Counties. Both counties enacted Home Rule authority in 2016 and District 9 was split into two districts, with Orange County staying District 9 and Osceola County becoming District 25.

Historical Overview of Heroin Occurrences

(Present and Cause)
2010 to 2024



Methamphetamine Deaths

January – December 2024

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 Methamphetamine		
Total	Cause	Present
150	110	40
55	21	34
36	19	17
178	108	70
195	159	36
281	226	55
91	75	16
38	24	14
81	51	30
153	123	30
122	71	51
76	51	25
131	96	35
67	37	30
49	19	30
4	4	0
60	43	17
111	69	42
39	27	12
18	14	4
78	62	16
23	16	7
33	26	7
16	12	4
44	37	7
2,129	1,500	629

Deaths with Methamphetamine Only		
Total	Cause	Present
4	2	2
1	0	1
0	0	0
4	1	3
1	1	0
2	0	2
0	0	0
1	1	0
3	2	1
2	2	0
0	0	0
4	1	3
17	10	7
2	1	1
2	1	1
0	0	0
3	2	1
0	0	0
7	2	5
0	0	0
2	2	0
0	0	0
1	1	0
0	0	0
4	3	1
60	32	28

Deaths with Methamphetamine in Combination with Other Drugs		
Total	Cause	Present
146	108	38
54	21	33
36	19	17
174	107	67
194	158	36
279	226	53
91	75	16
37	23	14
78	49	29
151	121	30
122	71	51
72	50	22
114	86	28
65	36	29
47	18	29
4	4	0
57	41	16
111	69	42
32	25	7
18	14	4
76	60	16
23	16	7
32	25	7
16	12	4
40	34	6
2,069	1,468	601

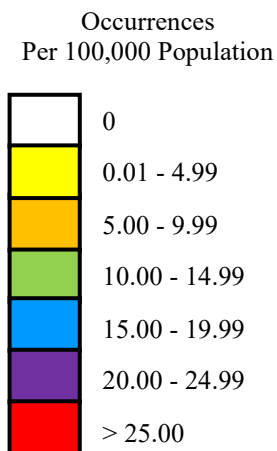
Methamphetamine Deaths by Age

January – December 2024

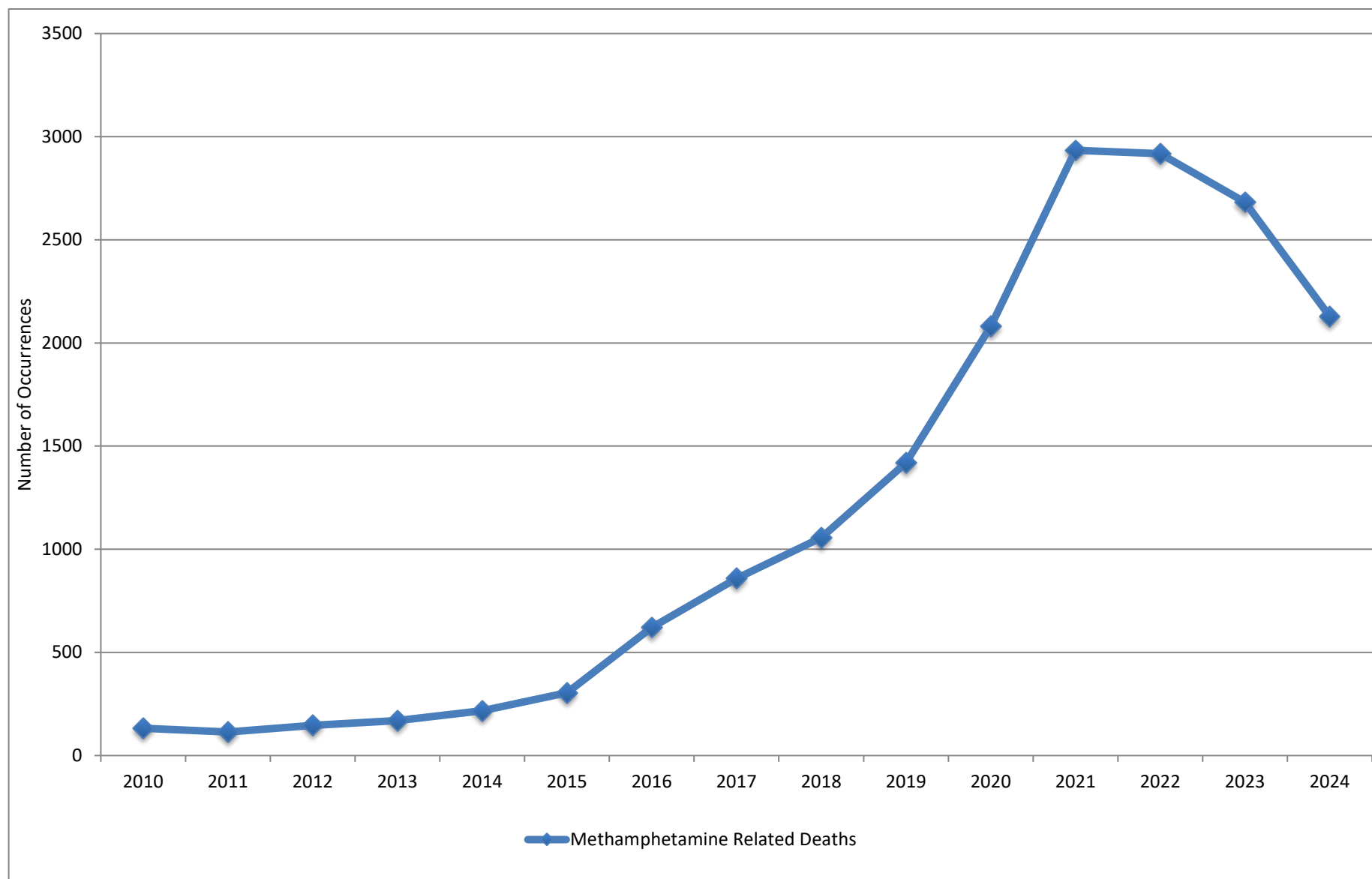
Medical Examiner District and Area of Florida		
District	Area of Florida	Total
1	Pensacola	150
2	Tallahassee	55
3	Live Oak	36
4	Jacksonville	178
5	Leesburg	195
6	St. Petersburg	281
7	Daytona Beach	91
8	Gainesville	38
9	Orlando	81
10	Lakeland	153
11	Miami	122
12	Sarasota	76
13	Tampa	131
14	Panama City	67
15	West Palm Beach	49
16	Florida Keys	4
17	Ft. Lauderdale	60
18	Melbourne	111
19	Ft. Pierce	39
20	Naples	18
21	Ft. Myers	78
22	Port Charlotte	23
23	St. Augustine	33
24	Sanford	16
25	Kissimmee	44
Statewide Totals		2,129

Methamphetamine Caused Death					
Age of Decedent					
Total	<18	18-25	26-34	35-50	>50
110	0	2	10	46	52
21	0	0	1	10	10
19	0	0	1	9	9
108	1	7	17	44	39
159	1	5	22	78	53
226	2	6	39	97	82
75	1	3	10	43	18
24	0	1	6	13	4
51	1	1	12	22	15
123	3	0	12	49	59
71	2	2	17	30	20
51	0	1	9	22	19
96	0	4	13	44	35
37	0	1	3	20	13
19	1	0	3	11	4
4	0	0	0	2	2
43	0	0	4	16	23
69	0	2	12	35	20
27	0	0	5	17	5
14	0	0	4	7	3
62	3	2	15	23	19
16	0	3	2	8	3
26	0	0	4	8	14
12	0	0	3	8	1
37	0	2	5	15	15
1,500	15	42	229	677	537

Methamphetamine Present at Death					
Age of Decedent					
Total	<18	18-25	26-34	35-50	>50
40	0	4	9	19	8
34	0	3	9	13	9
17	0	1	1	10	5
70	1	5	18	32	14
36	0	0	10	15	11
55	0	1	12	27	15
16	0	1	4	5	6
14	0	0	2	10	2
30	0	1	6	17	6
30	1	2	10	12	5
51	3	6	11	21	10
25	0	3	4	11	7
35	0	1	8	19	7
30	0	1	6	13	10
30	0	4	6	12	8
0	0	0	0	0	0
17	0	1	3	7	6
42	0	3	8	19	12
12	0	0	2	5	5
4	0	0	1	2	1
16	0	1	1	11	3
7	0	0	0	1	6
7	0	0	1	4	2
4	0	0	1	2	1
7	0	0	1	3	3
629	5	38	134	290	162



Historical Overview of Methamphetamine Occurrences (Present and Cause) 2010 to 2024



Xylazine Deaths

January – December 2024

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
6	6	0
1	0	1
3	2	1
73	56	17
8	8	0
25	15	10
26	26	0
12	2	10
0	0	0
20	9	11
69	67	2
52	7	45
1	1	0
5	5	0
31	28	3
4	2	2
75	72	3
5	3	2
13	11	2
16	1	15
8	8	0
0	0	0
5	4	1
0	0	0
0	0	0
458	333	125

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

Deaths with Xylazine in Combination with Other Drugs		
Total	Cause	Present
6	6	0
1	0	1
3	2	1
73	56	17
8	8	0
25	15	10
26	26	0
12	2	10
0	0	0
20	9	11
69	67	2
52	7	45
1	1	0
5	5	0
31	28	3
4	2	2
75	72	3
5	3	2
13	11	2
16	1	15
8	8	0
0	0	0
5	4	1
0	0	0
0	0	0
458	333	125

Xylazine Deaths by Age

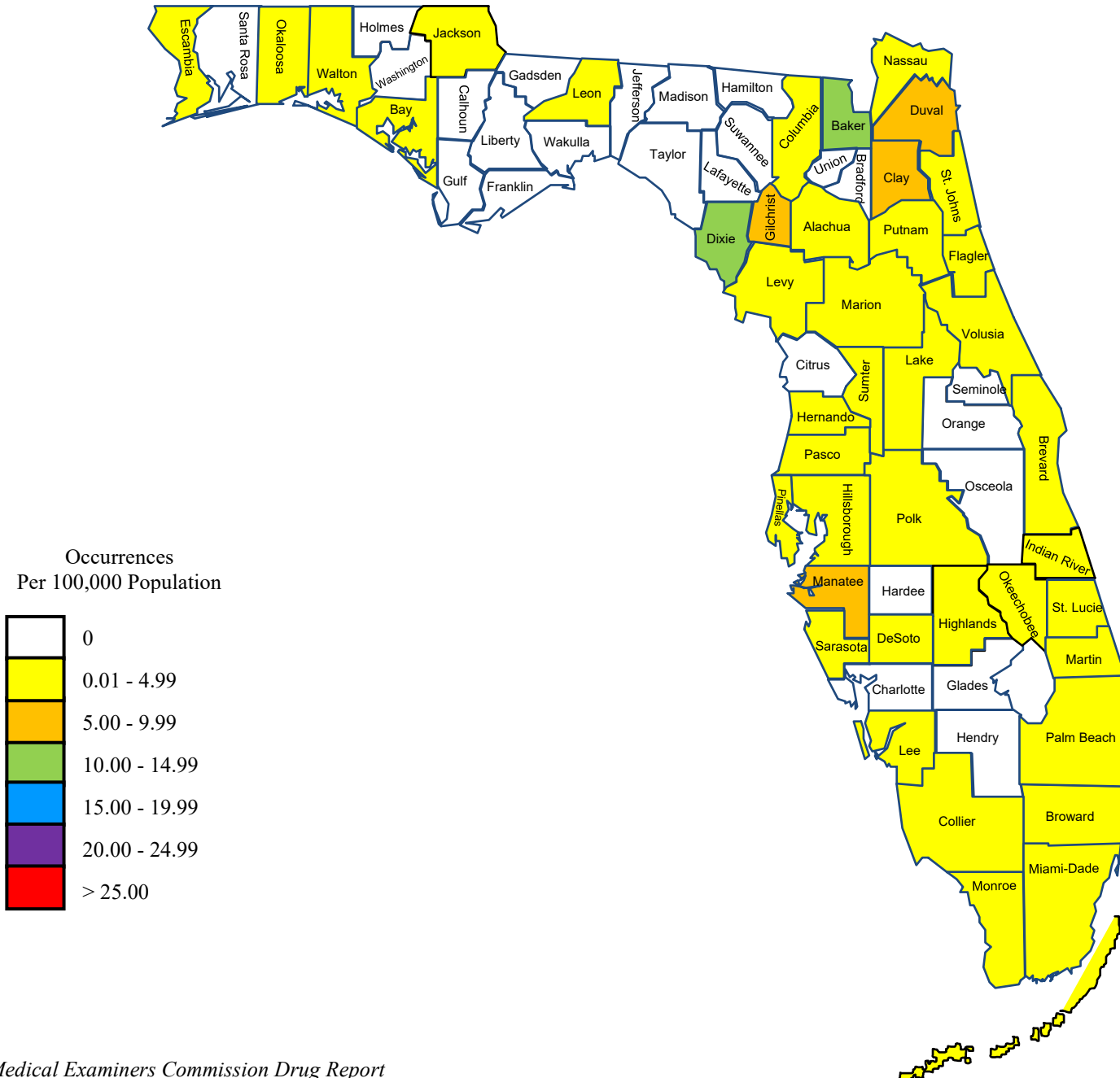
January – December 2024

Medical Examiner District and Area of Florida		
District	Area of Florida	Total
1	Pensacola	6
2	Tallahassee	1
3	Live Oak	3
4	Jacksonville	73
5	Leesburg	8
6	St. Petersburg	25
7	Daytona Beach	26
8	Gainesville	12
9	Orlando	0
10	Lakeland	20
11	Miami	69
12	Sarasota	52
13	Tampa	1
14	Panama City	5
15	West Palm Beach	31
16	Florida Keys	4
17	Ft. Lauderdale	75
18	Melbourne	5
19	Ft. Pierce	13
20	Naples	16
21	Ft. Myers	8
22	Port Charlotte	0
23	St. Augustine	5
24	Sanford	0
25	Kissimmee	0
Statewide Totals		458

Xylazine Caused Death					
Age of Decedent					
Total	<18	18-25	26-34	35-50	>50
6	0	1	0	2	3
0	0	0	0	0	0
2	0	0	0	2	0
56	1	2	10	25	18
8	1	0	3	2	2
15	0	0	1	9	5
26	1	1	6	12	6
2	0	0	0	1	1
0	0	0	0	0	0
9	0	1	3	4	1
67	0	7	10	25	25
7	0	0	2	1	4
1	0	0	0	1	0
5	0	0	3	2	0
28	0	1	11	10	6
2	0	0	0	1	1
72	1	3	11	27	30
3	0	1	1	1	0
11	0	0	2	6	3
1	0	0	0	1	0
8	0	0	4	4	0
0	0	0	0	0	0
4	0	1	1	2	0
0	0	0	0	0	0
0	0	0	0	0	0
333	4	18	68	138	105

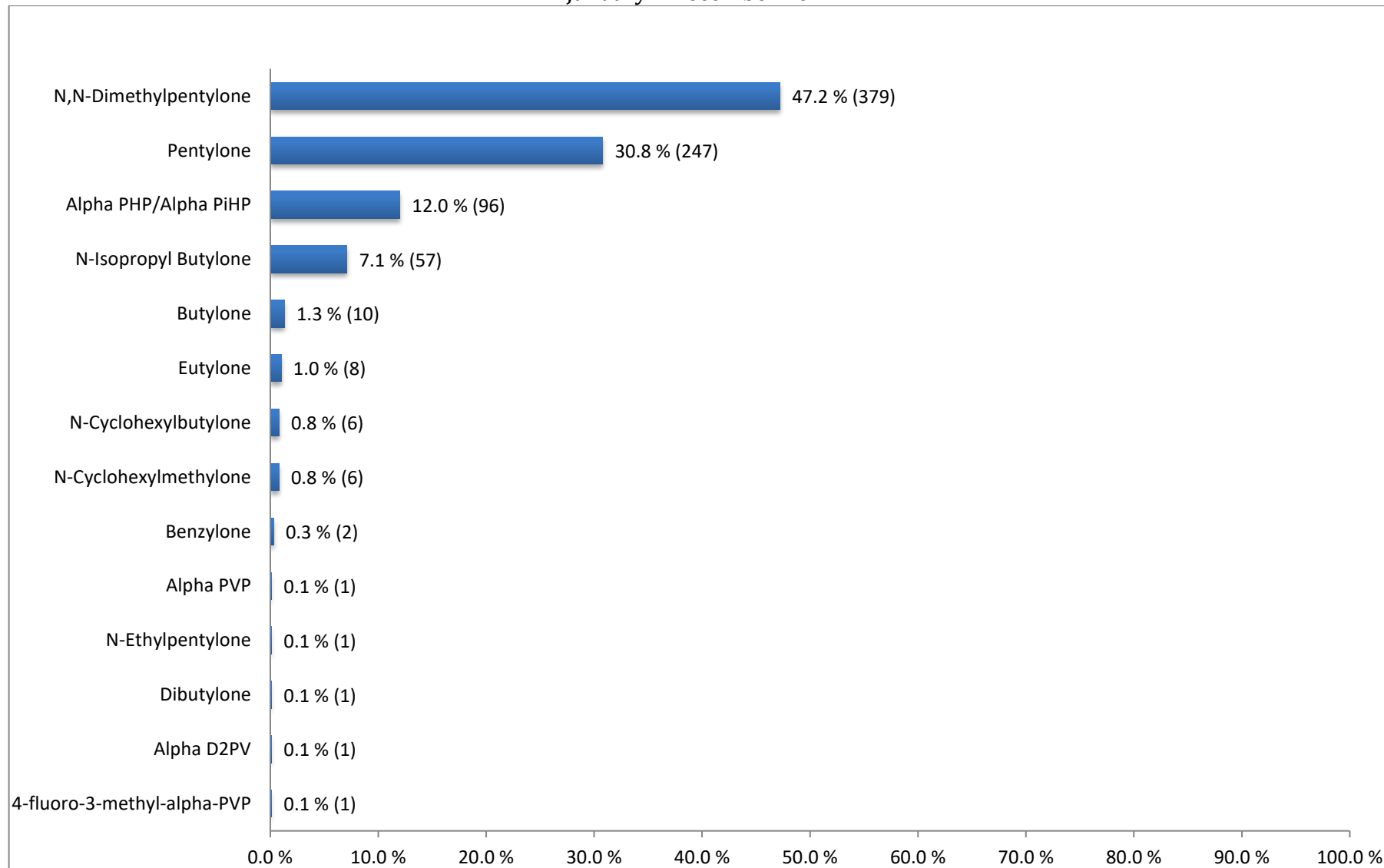
Xylazine Present at Death					
Age of Decedent					
Total	<18	18-25	26-34	35-50	>50
0	0	0	0	0	0
1	0	0	0	1	0
1	0	0	1	0	0
17	1	1	4	6	5
0	0	0	0	0	0
10	0	0	3	4	3
0	0	0	0	0	0
10	0	0	1	5	4
0	0	0	0	0	0
11	0	1	3	5	2
2	0	1	0	0	1
45	0	1	10	20	14
0	0	0	0	0	0
0	0	0	0	0	0
3	0	0	3	0	0
2	0	0	2	0	0
3	0	1	0	2	0
2	0	0	0	1	1
2	0	0	0	2	0
15	1	1	3	7	3
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
125	2	6	30	53	34

Xylazine Deaths by County 2024



Frequency of Occurrence of Cathinones

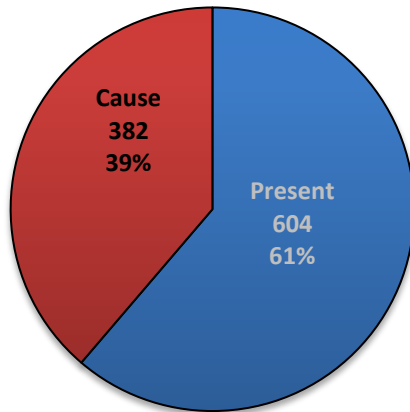
January – December 2024



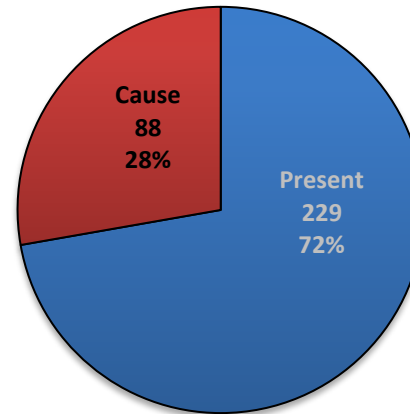
Note: Percentages may not sum to 100 percent because of rounding.

2024 Drug Detected at Death: Cause vs. Present

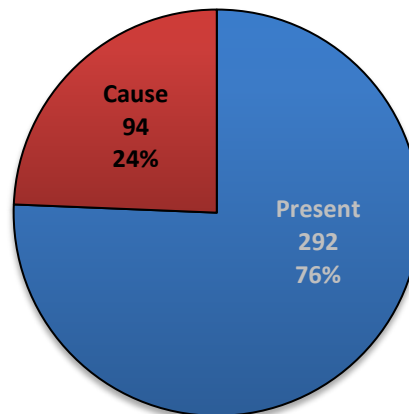
Alprazolam Deaths
Total Occurrences = 986



Diazepam Deaths
Total Occurrences = 317

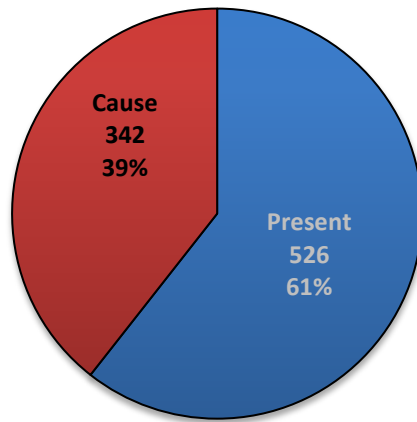


Clonazepam Deaths
Total Occurrences = 386

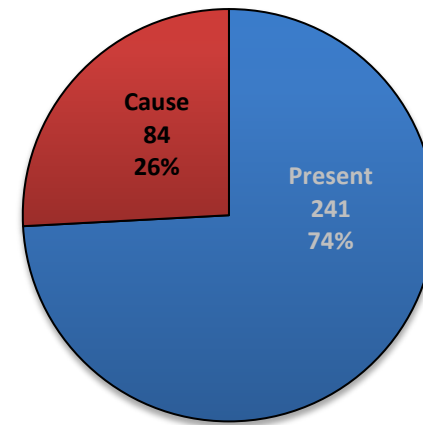


2024 Drug Detected at Death: Cause vs. Present

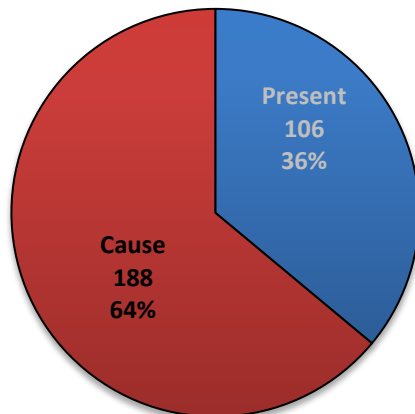
Oxycodone Deaths
Total Occurrences = 868



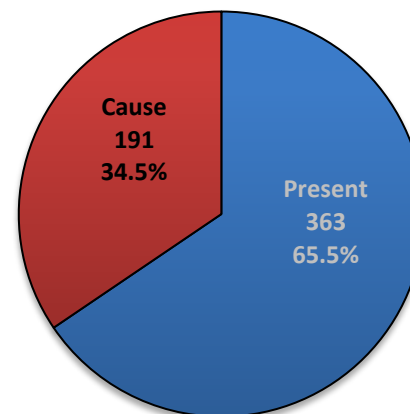
Hydrocodone Deaths
Total Occurrences = 325



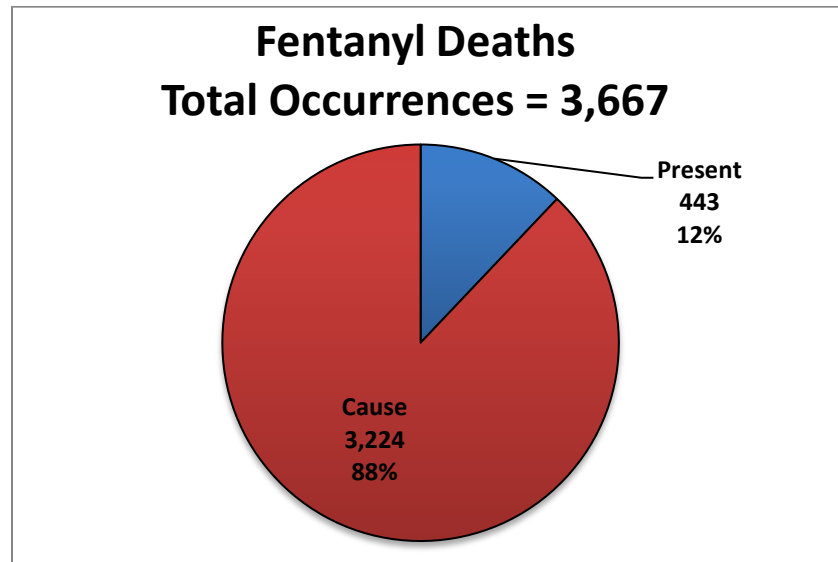
Methadone Deaths
Total Occurrences = 294



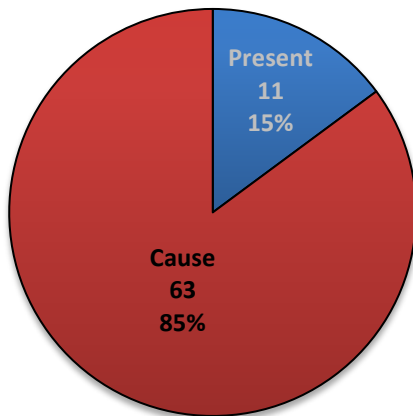
Morphine Deaths
Total Occurrences = 554



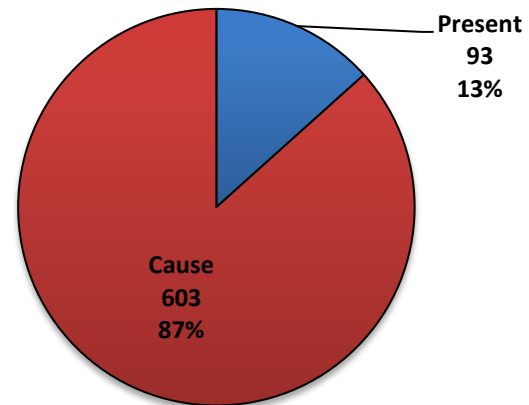
2024 Drug Detected at Death: Cause vs. Present



Heroin Deaths
Total Occurrences = 74



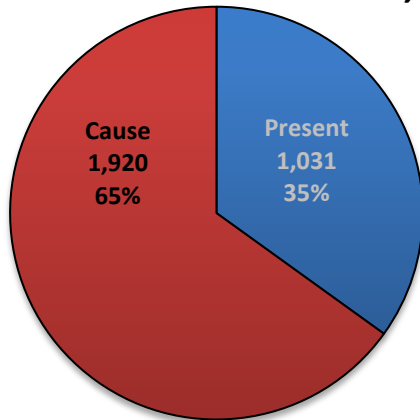
Fentanyl Analog* Deaths
Total Occurrences = 696



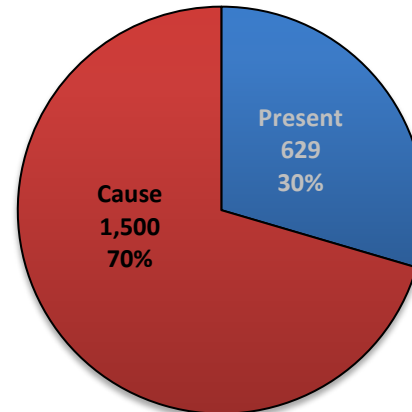
*Does not include 4-ANPP

2024 Drug Detected at Death: Cause vs. Present

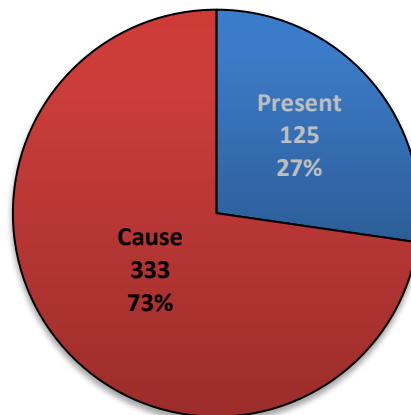
Cocaine Deaths
Total Occurrences = 2,951



Methamphetamine Deaths
Total Occurrences = 2,129

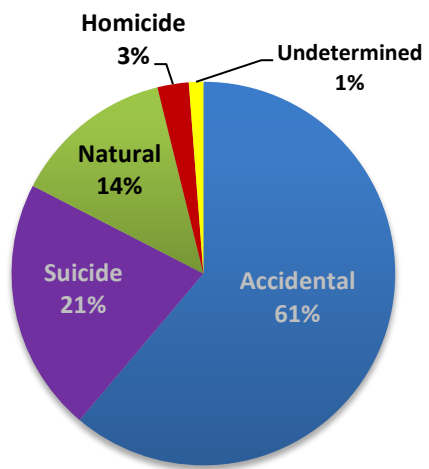


Xylazine Deaths
Total Occurrences = 458

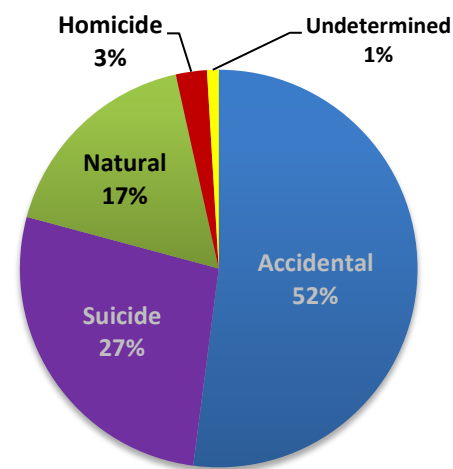


2024 Manner of Death for Reported Drug Occurrences

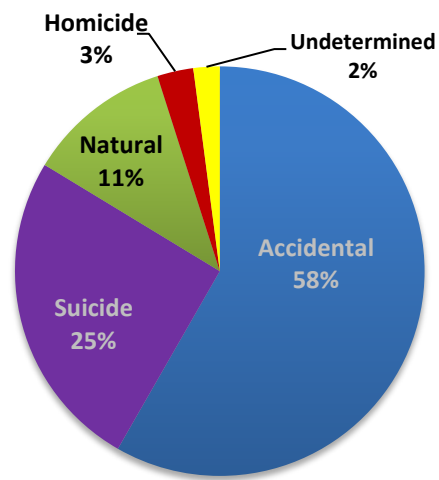
Alprazolam Deaths



Diazepam Deaths



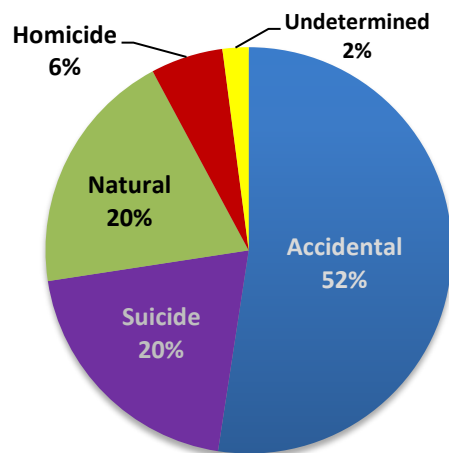
Clonazepam Deaths



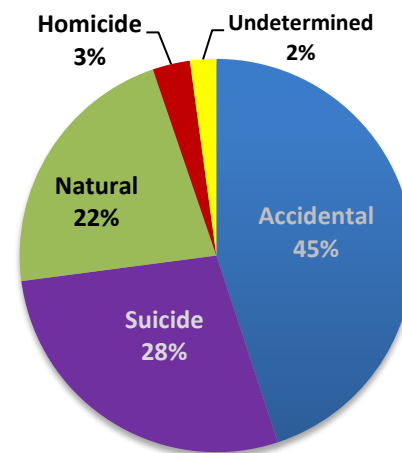
**Due to rounding, sum may not add up to 100.

2024 Manner of Death for Reported Drug Occurrences

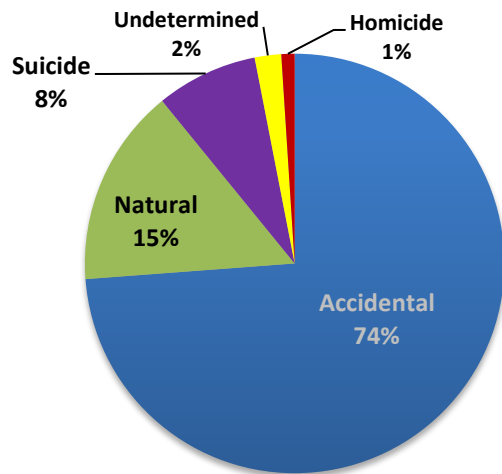
Oxycodone Deaths



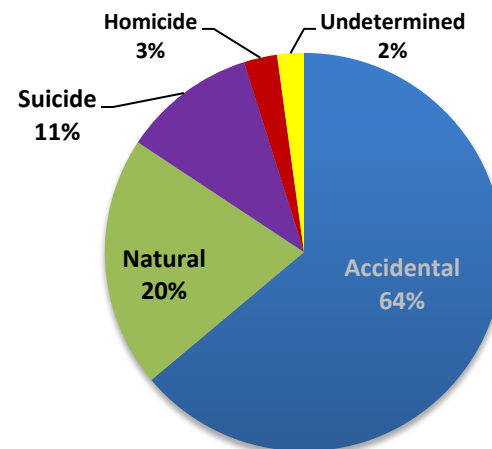
Hydrocodone Deaths



Methadone Deaths

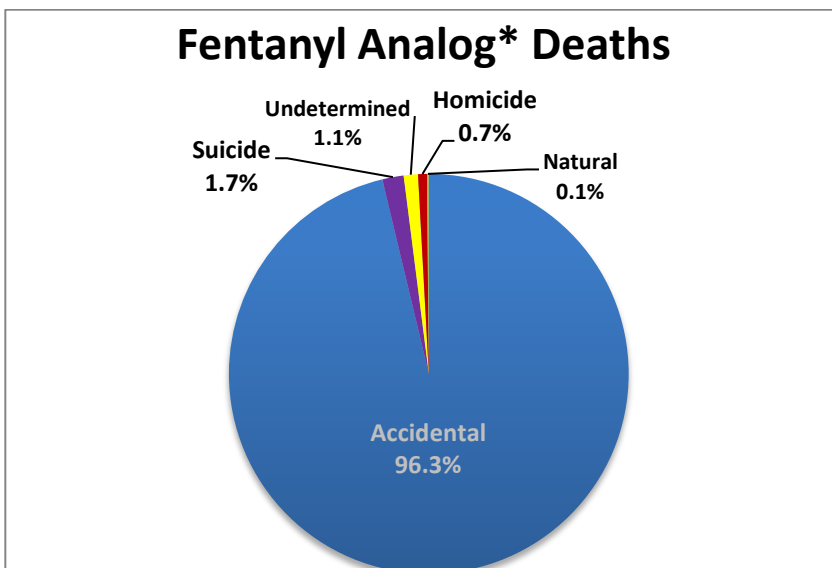
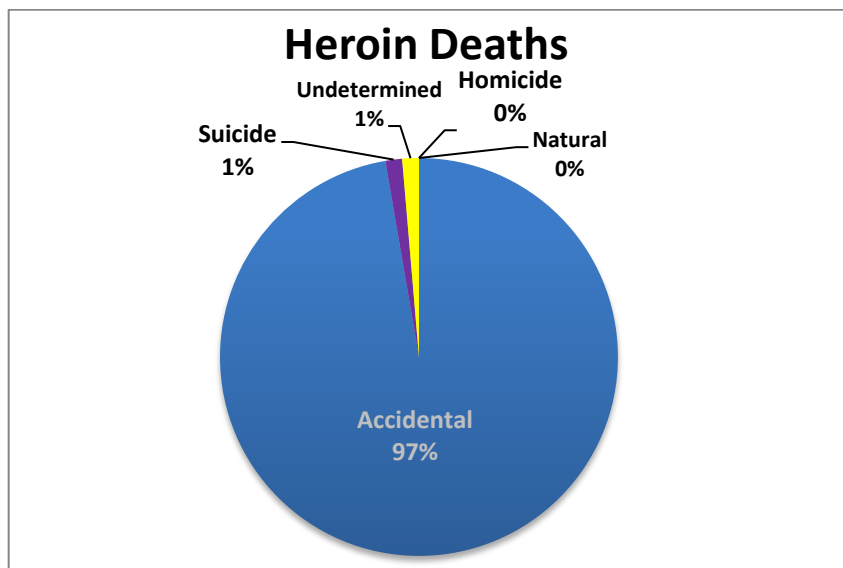
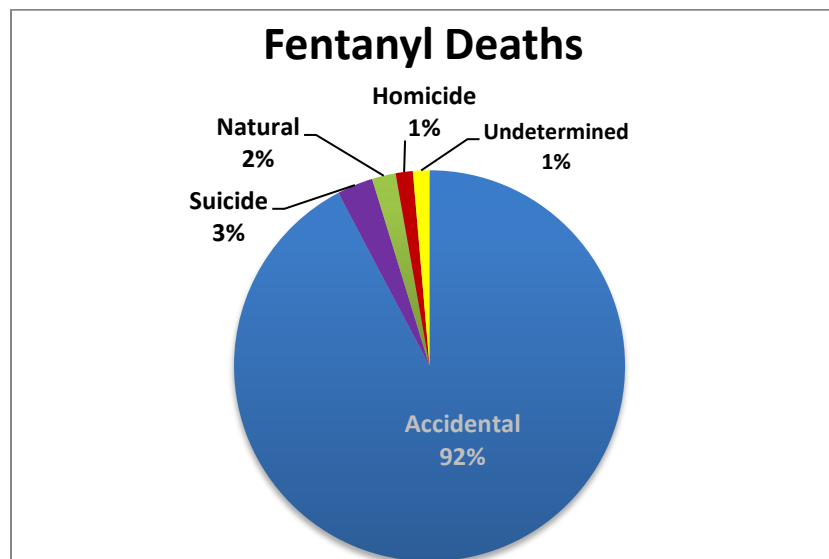


Morphine Deaths



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

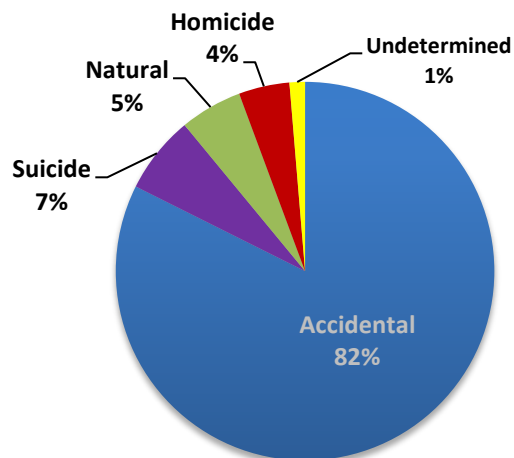
2024 Manner of Death for Reported Drug Occurrences



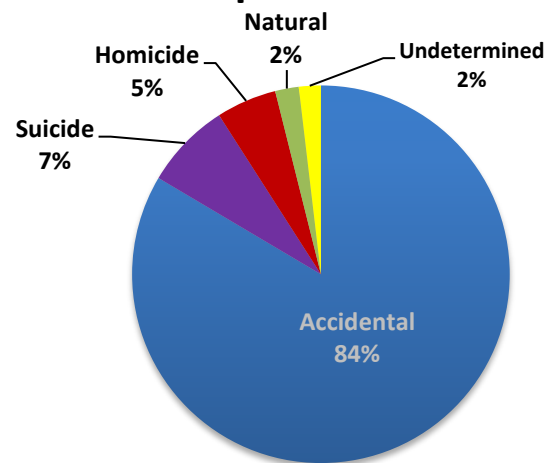
*Does not include 4-ANPP **Due to rounding, sum may not add up to 100.

2024 Manner of Death for Reported Drug Occurrences

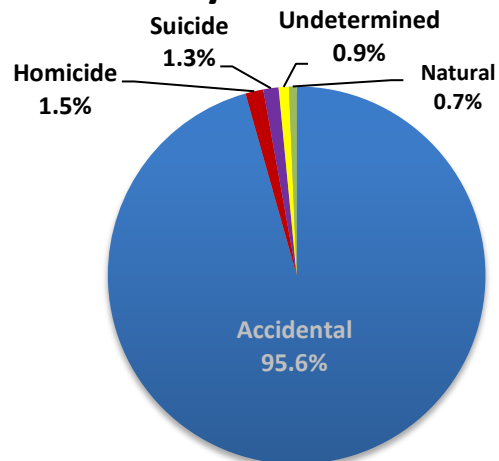
Cocaine Deaths



Methamphetamine Deaths



Xylazine Deaths



**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 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 man-made 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 analogue 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.