

# OVERDOSE

## RESPONSES AND TREND

*Revised March 21, 2018*



**JACKSONVILLE FIRE & RESCUE DEPARTMENT**

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*David Castleman, Chief of Rescue*

# What is an Opiate and an Opioid?

An opiate is the naturally derived compound from the opium poppy that binds to the opioid receptor sites in the brain to produce strong morphine-like pain relieving effects. Opioids are synthetics or partly-synthetic drugs that also bind to opioid receptors

## Opioids

- Fentanyl
- Oxycodone
- Methadone
- Hydrocodone
- Demerol
- Dilaudid

## Opiates

- Codeine
- Heroin
- Morphine
- Opium



# The Strength of Opioids

Opioid	Strength	Peak Effect	Half-life
Codeine	0.2	1 – 2 hours	3 – 9 hours
Hydrocodone (Lortab®)	0.6	1 – 1.5 hours	4 – 6 hours
Morphine (oral)	1	1 hour	2 – 4 hours
Oxycodone (OxyContin®)	1.5 – 2.0	30 – 60 minutes	3 – 5 hours
Morphine (IV)	4	10 – 15 minutes	2 – 4 hours
Heroin	1.9 – 4.3	2 – 5 minutes	36 minutes
Hydromorphone (Dilaudid®)	5 – 8	5 – 15 minutes	2 – 3 hours
Fentanyl (IV)	50 – 100	3 – 5 minutes	30 – 60 minutes
Fentanyl (derm)	50 – 100	6 – 8 hours	17 hours
Carfentanil	10,000	14 minutes	7.7 hours
U-47700			
Norfentanyl		MAY REQUIRE REPEAT DOSES OF NARCAN	
Acetyl Fentanyl			
Furanylfentanyl			



# Why the New Fentanyl Drug Names?

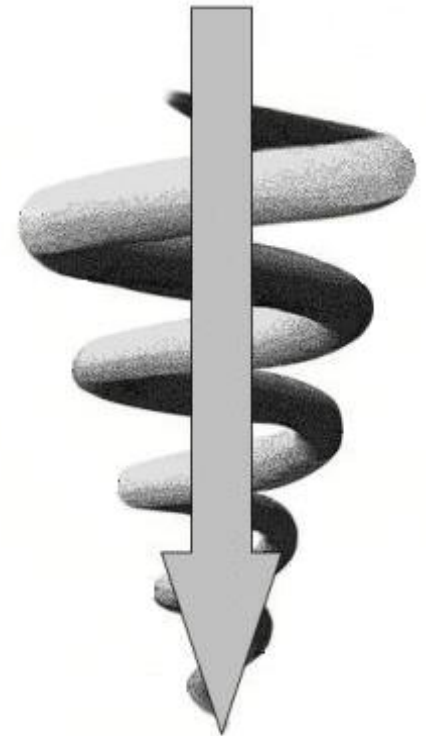
Chemists involved in illicit drug trafficking try to circumvent fentanyl import bans and try to avoid having their shipments seized by creating new analogues of Fentanyl and then repackaging and labeling them as designer drugs.

They do this by shifting the configuration of the fentanyl molecule slightly so that Fentanyl becomes Acetyl Fentanyl or Furanyl Fentanyl, etc. This is the ongoing cat-and-mouse game that may continue to give rise to newer and more potent opioids.



# What happens in an Opioid Overdose

1. Person feels elation, deep relaxation and sleepiness
  2. Opioids attack receptors that control breathing
  3. Breathing slows or stops
  4. Oxygen can't get to the brain
  5. Heart stops
  6. Unconscious, Coma, Death
- OR-
7. Long-term Brain/Nerve/Physical Damage



# Signs & Symptoms of Opioid Overdose

- **Unable to respond or unconscious**
- Awake but with slowed or slurred speech
- **Pinpoint pupils** (miosis)
- Blue skin tinge- usually lips and fingertips show first
- Body limp and doesn't respond to stimulation
- Face very pale
- Pulse (heartbeat) is slow, erratic, or not there at all
- May be vomiting
- Passing in and out of consciousness
- Choking sounds or a gurgling/snoring noise heard
- **Breathing is very slow**, irregular, or has stopped



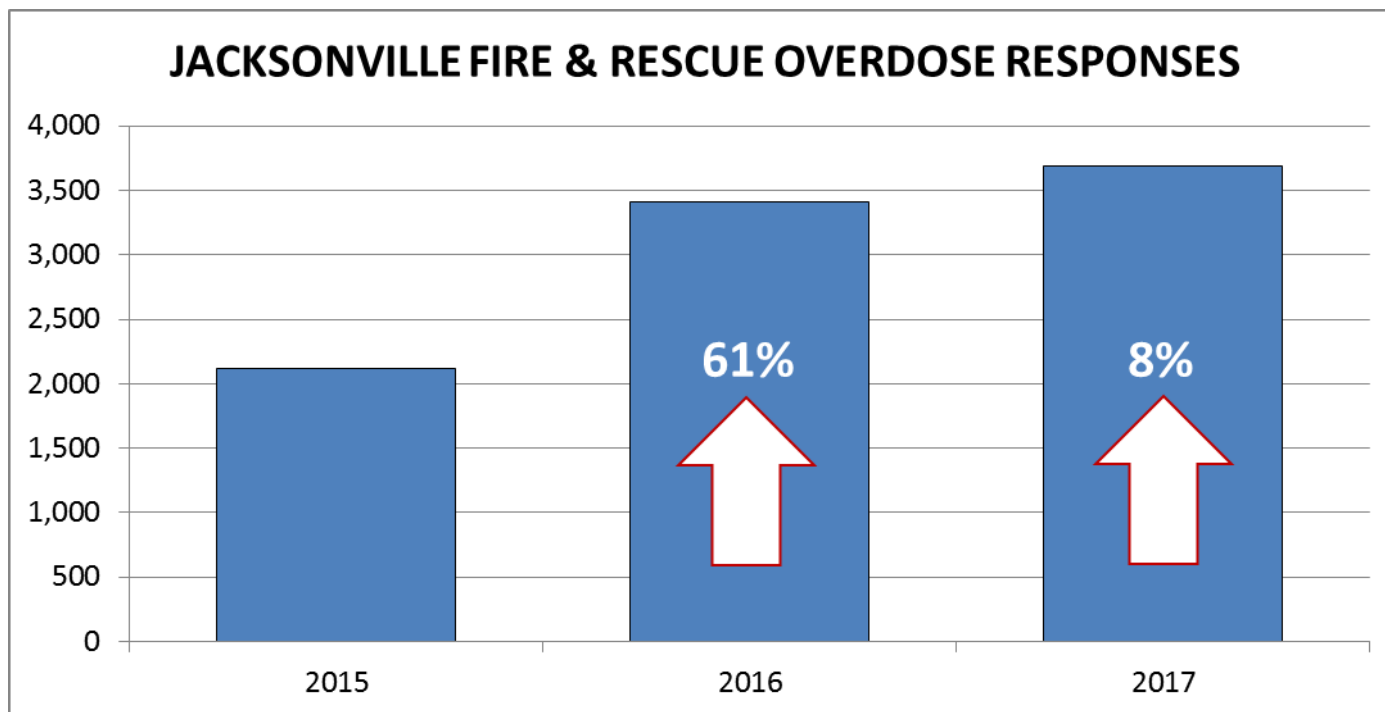
# 9-1-1 Treatment for Opioid Overdose

- Airway and circulation are assessed immediately and proper airway management and circulation measures are initiated
- If any of the signs and symptoms of an opiate or opioid overdose are observed or obvious use is known, Paramedics administer Naloxone (Narcan)
- Dose: 0.4 – 2.0 mg per JFRD protocol
- Naloxone is routinely administered in the cardiac arrest setting of an unknown/suspected overdose



# 9-1-1 Overdose Responses

- In 2015, JFRD responded to 2,114 overdoses
- In 2016, JFRD responded to 3,411 overdoses
- In 2017, JFRD responded to 3,686 overdoses

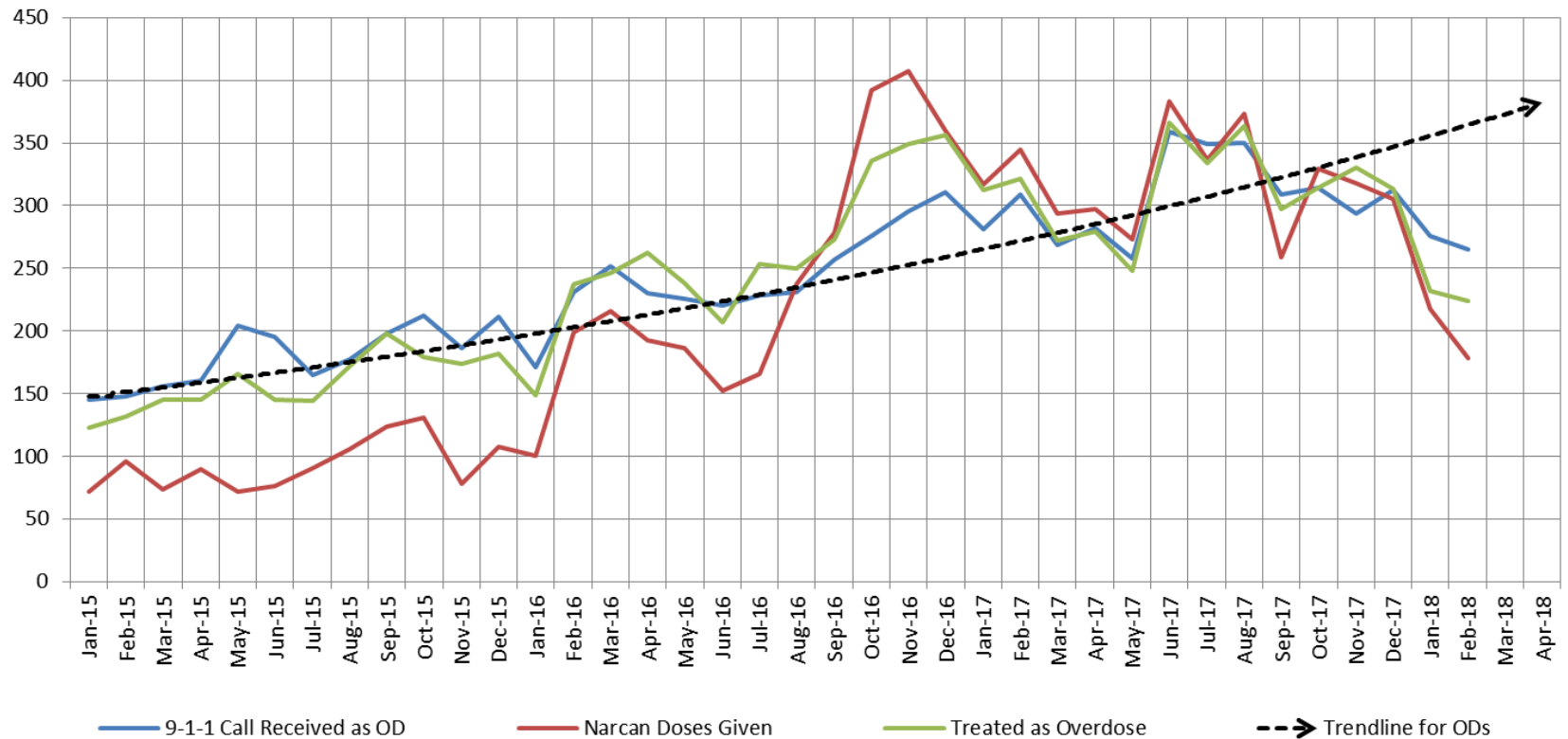


**JACKSONVILLE FIRE & RESCUE DEPARTMENT**  
**OVERDOSE Responses and Trend**





# Jacksonville Fire & Rescue Department: Response to Overdose Incidents



Source: Jacksonville, Florida Fire & Rescue Department, Lt. Mark Rowley. Retrieved from: dbo.CADData (Signal 69), EmergencyPro.dbo.tbl\_Medications (Narcan) and dbo.tbl\_incident\_data\_2.NOC\_AT\_SCENE (Ingestion/Poisoning/OD). A 9-1-1 Call Received as OD and/or Narcan administration does not necessarily confirm an overdose or opioid use.

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**OVERDOSE Responses and Trend**

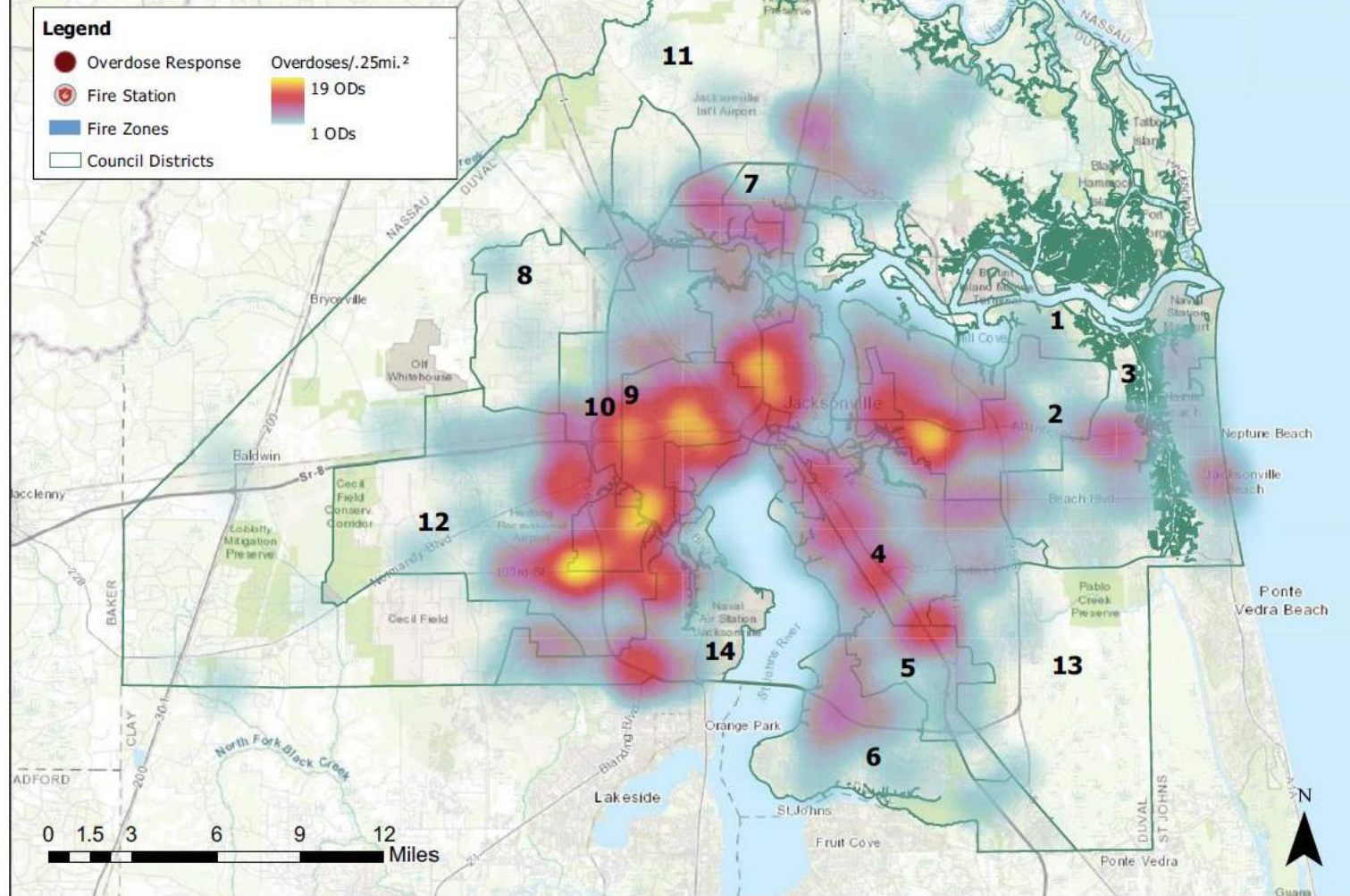


# Financial Impact to JFRD

- JFRD's cost per transport in 2015 – 2016 was \$996.00. In 2017 the cost rose to \$1028.00.
- In 2015, JFRD transported 1,903 patients treated as overdose costing \$1,895,388.00.
- In 2016, JFRD transported 3,156 overdose patients costing \$3,143,376.00.
- In 2017, JFRD transported 3,505 overdose patients costing \$3,603,140.00.
- JFRD spent \$95,732.00 on Naloxone in CY 2017, over 7% of the medical supply budget.
- In 2013, the cost of Naloxone was \$14.50. It is now \$36.15 (↑149 percent).
- Approximately 63 percent of overdose patients are uninsured.



# Jacksonville Fire and Rescue Department Opioid Overdose Responses Jan 1, 2017- Nov 19, 2017

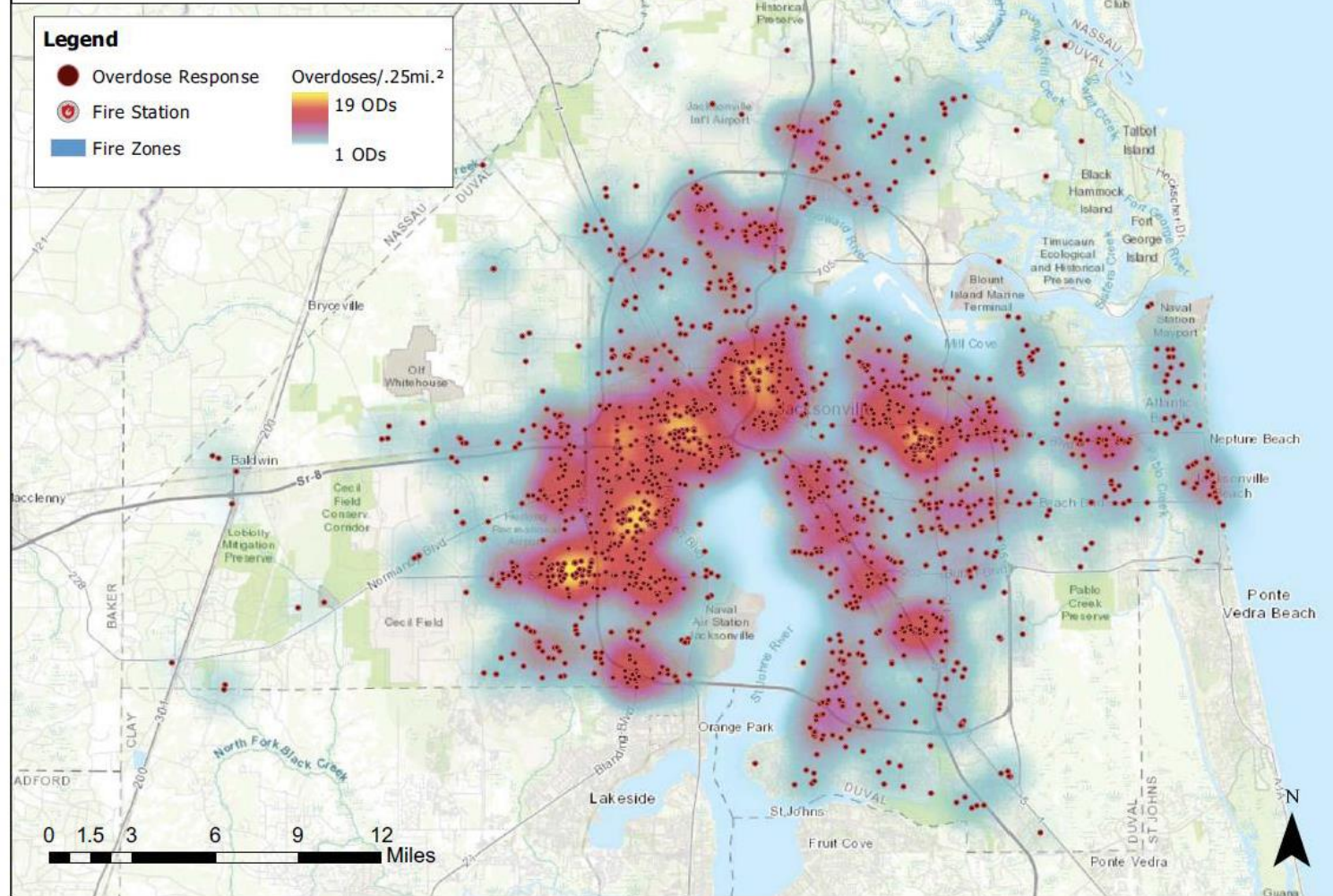


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**OVERDOSE Responses and Trend**





# Jacksonville Fire and Rescue Department Opioid Overdose Responses Jan 1, 2017- Nov 19, 2017

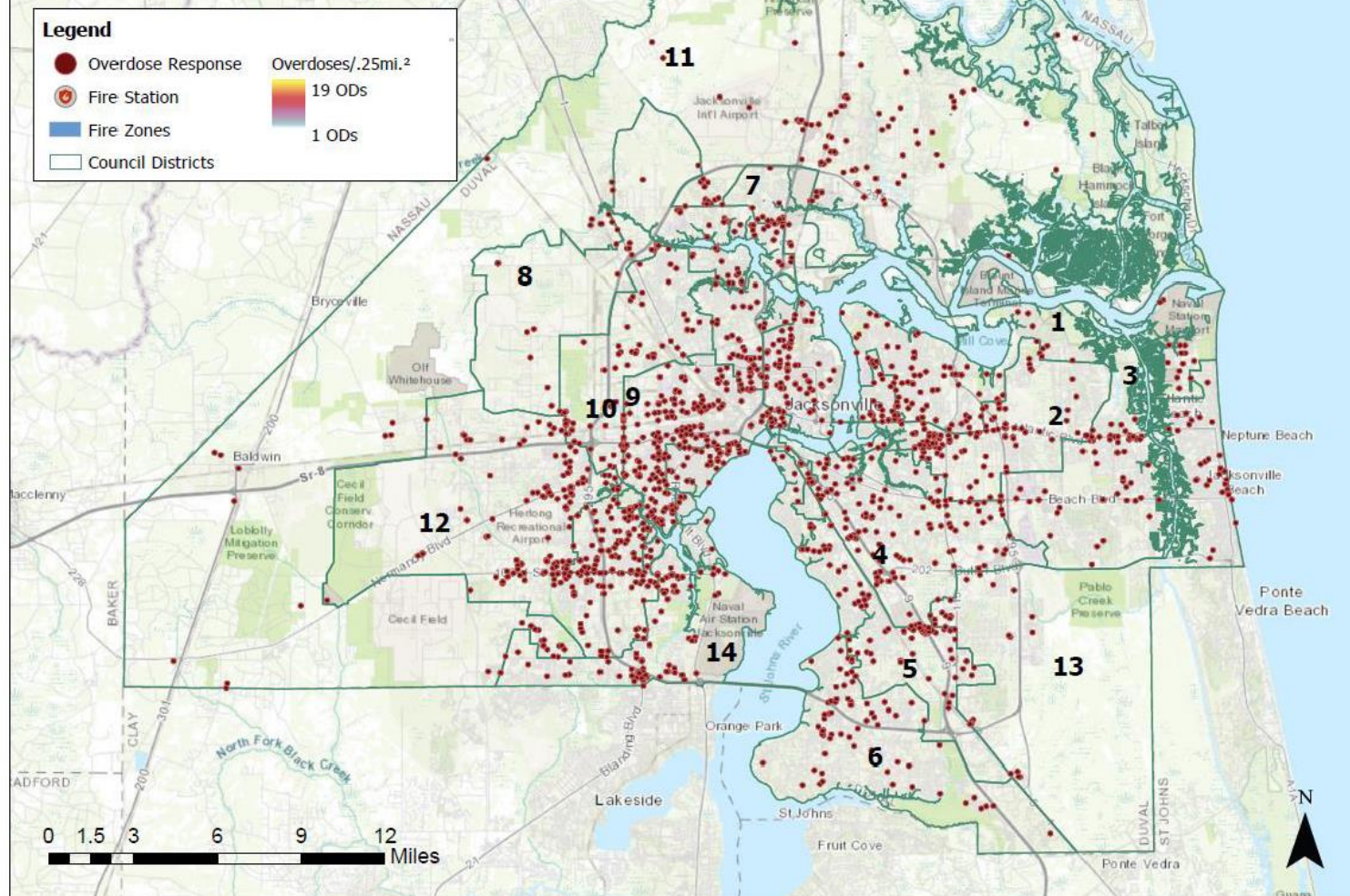


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**OVERDOSE Responses and Trend**





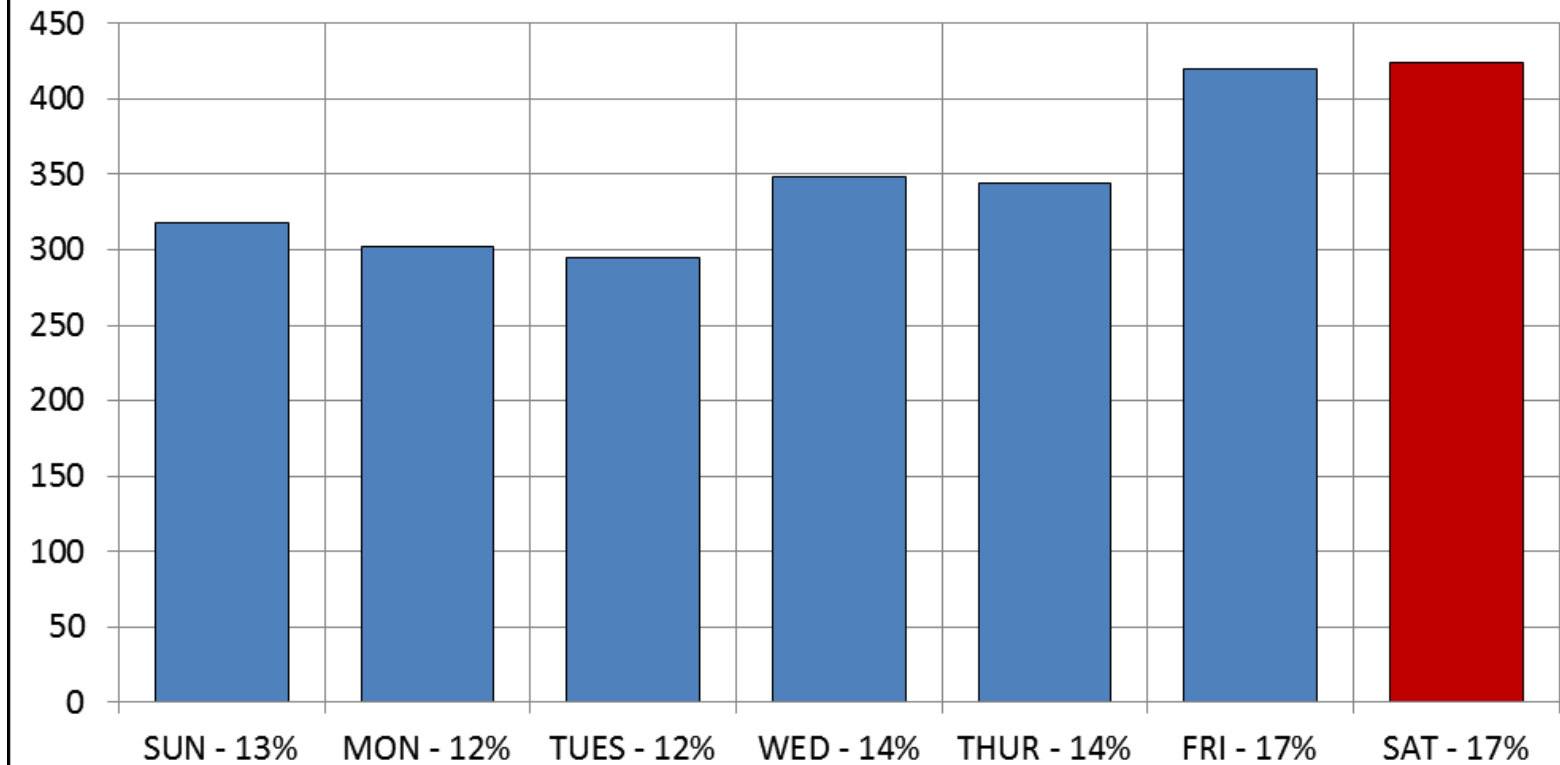
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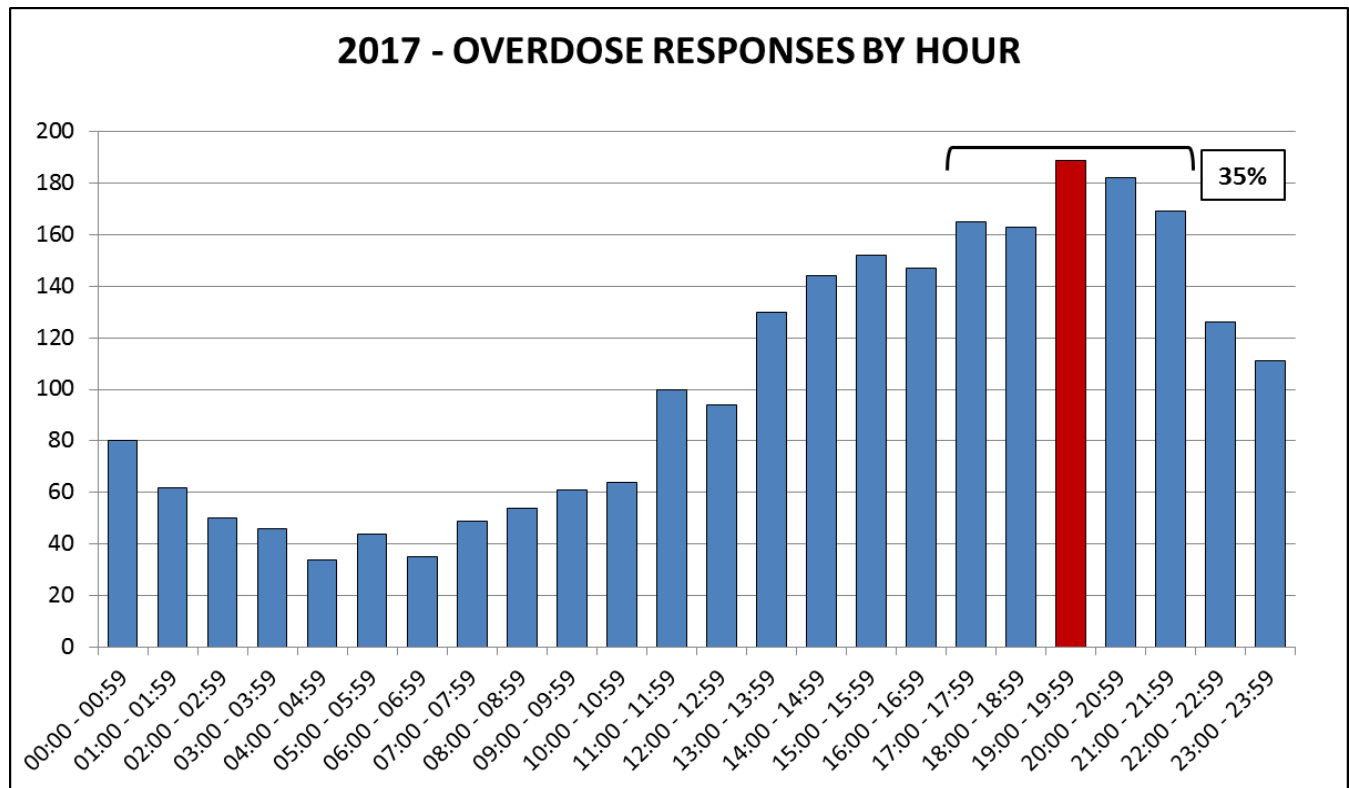
**JACKSONVILLE FIRE & RESCUE DEPARTMENT**  
**OVERDOSE Responses and Trend**



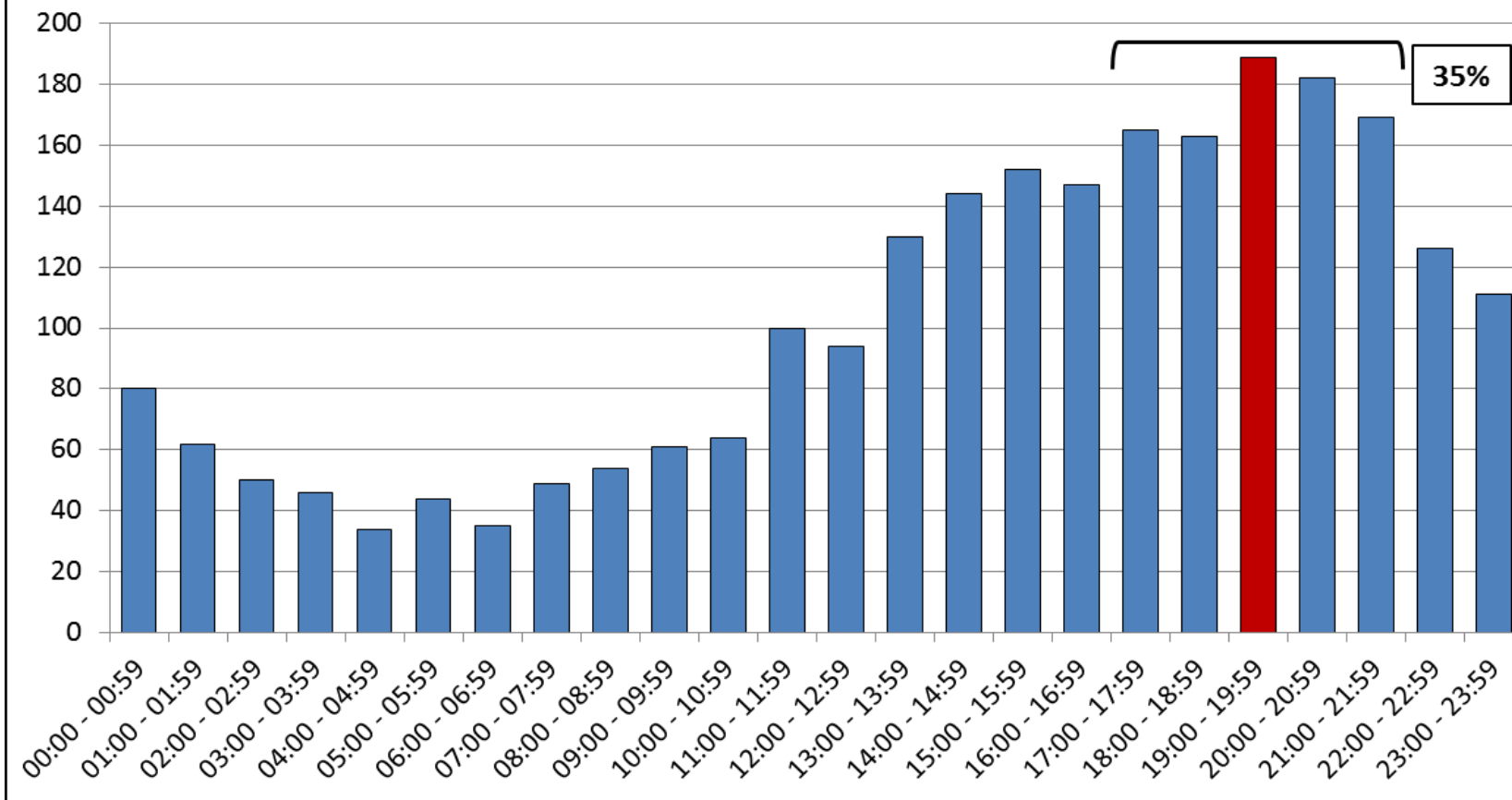
## 2017 - OVERDOSE RESPONSES BY DAY OF WEEK



HOUR	COUNT	PERCENT
00:00 - 00:59	80	3%
01:00 - 01:59	62	3%
02:00 - 02:59	50	2%
03:00 - 03:59	46	2%
04:00 - 04:59	34	1%
05:00 - 05:59	44	2%
06:00 - 06:59	35	1%
07:00 - 07:59	49	2%
08:00 - 08:59	54	2%
09:00 - 09:59	61	2%
10:00 - 10:59	64	3%
11:00 - 11:59	100	4%
12:00 - 12:59	94	4%
13:00 - 13:59	130	5%
14:00 - 14:59	144	6%
15:00 - 15:59	152	6%
16:00 - 16:59	147	6%
17:00 - 17:59	165	7%
18:00 - 18:59	163	7%
19:00 - 19:59	189	8%
20:00 - 20:59	182	7%
21:00 - 21:59	169	7%
22:00 - 22:59	126	5%
23:00 - 23:59	111	5%

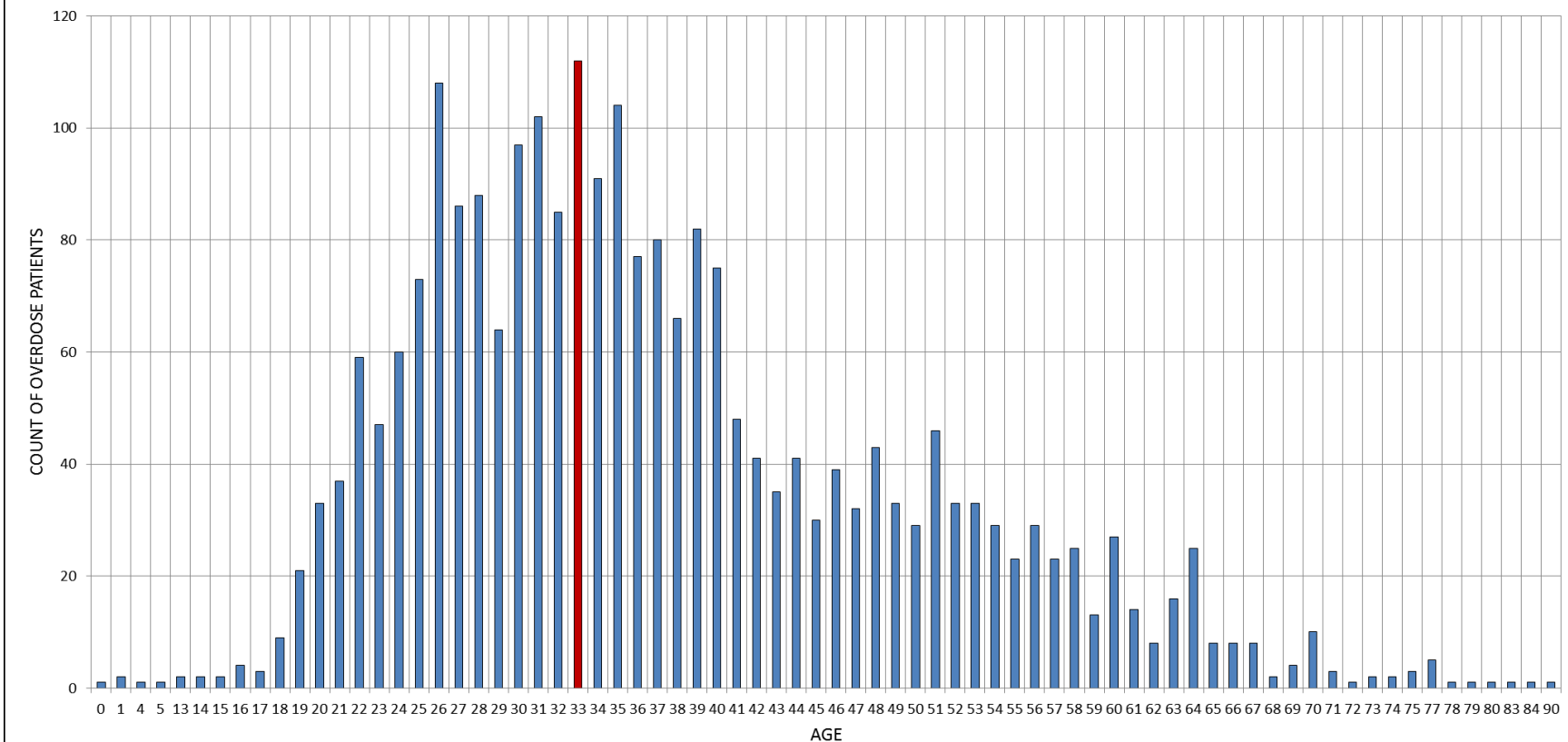


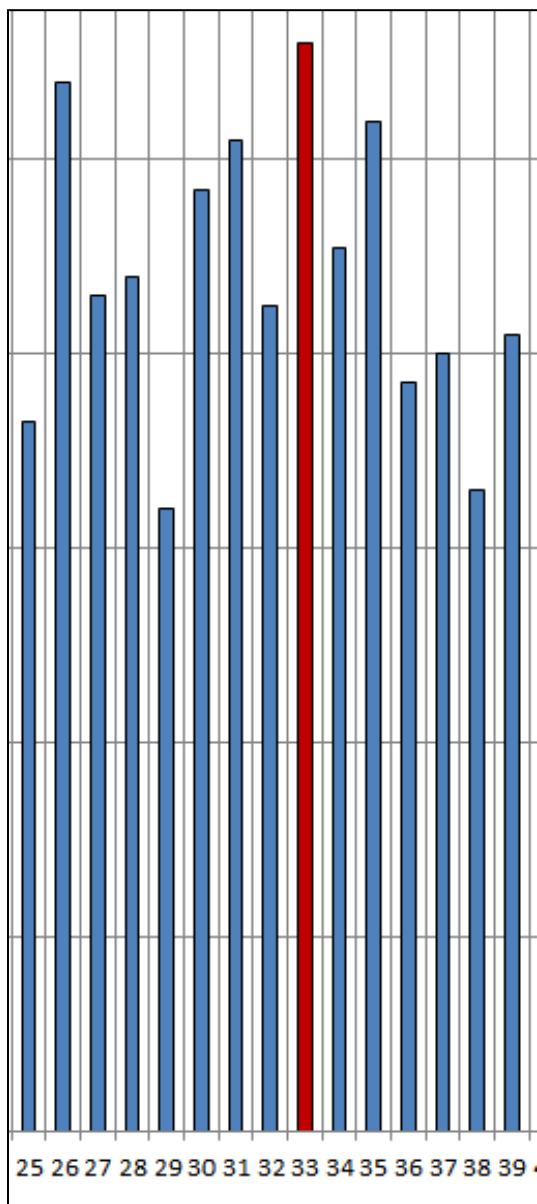
## 2017 - OVERDOSE RESPONSES BY HOUR





## 2017 - AGE OF OVERDOSE PATIENTS





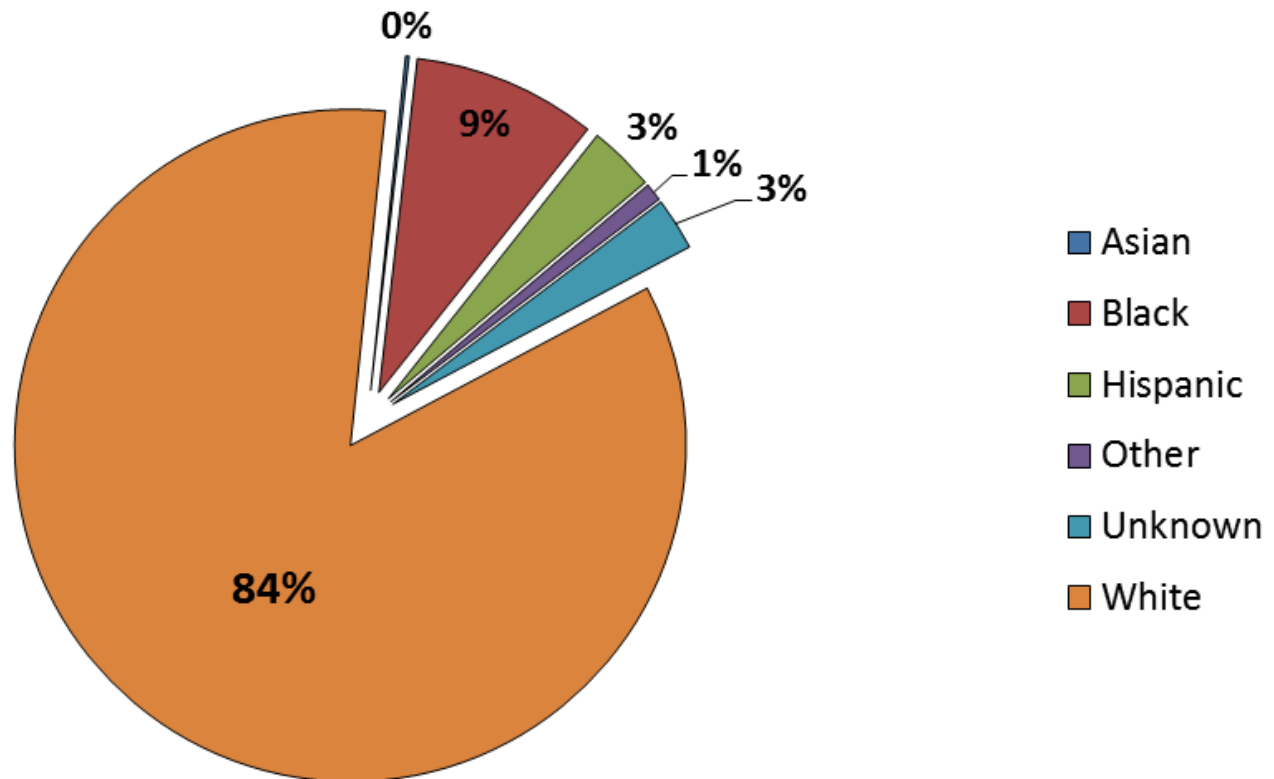
**54 %**

**OVERDOSE PATIENTS  
BETWEEN  
AGES 25 - 39**

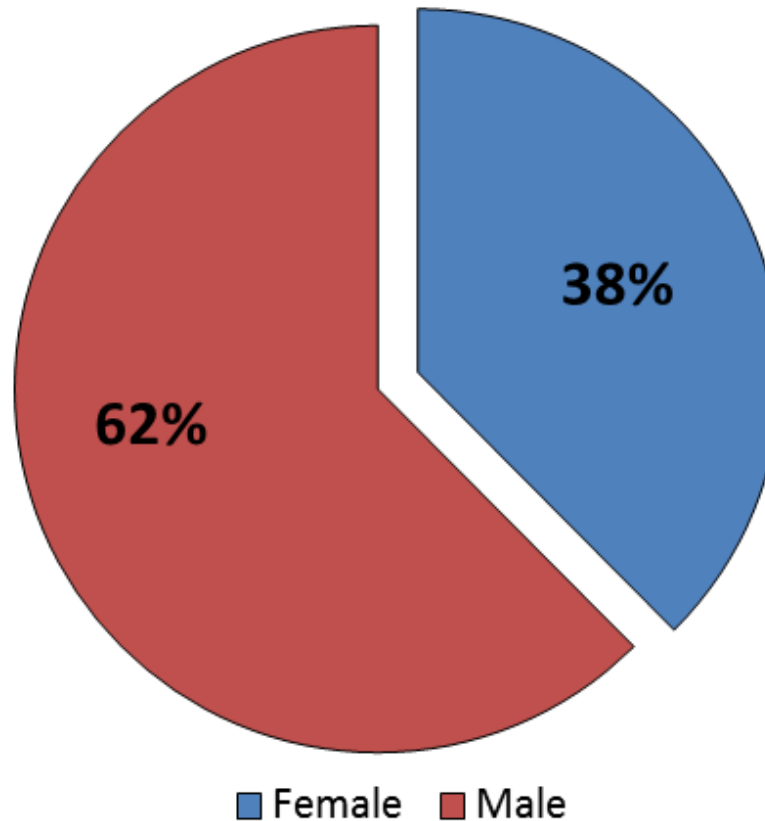
**JACKSONVILLE FIRE & RESCUE DEPARTMENT**  
**OVERDOSE Responses and Trend**



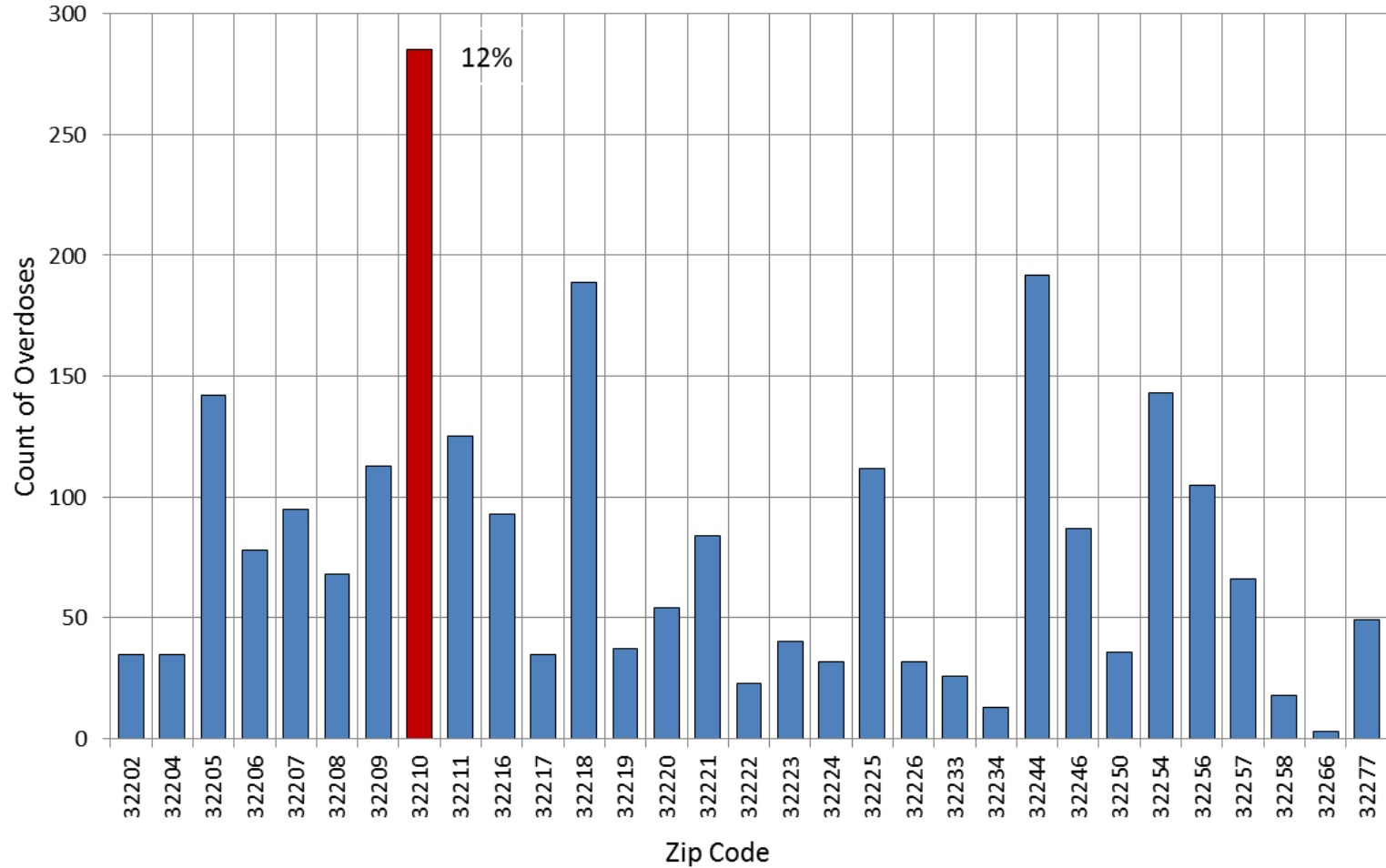
## 2017 - RACE OF OVERDOSE PATIENTS



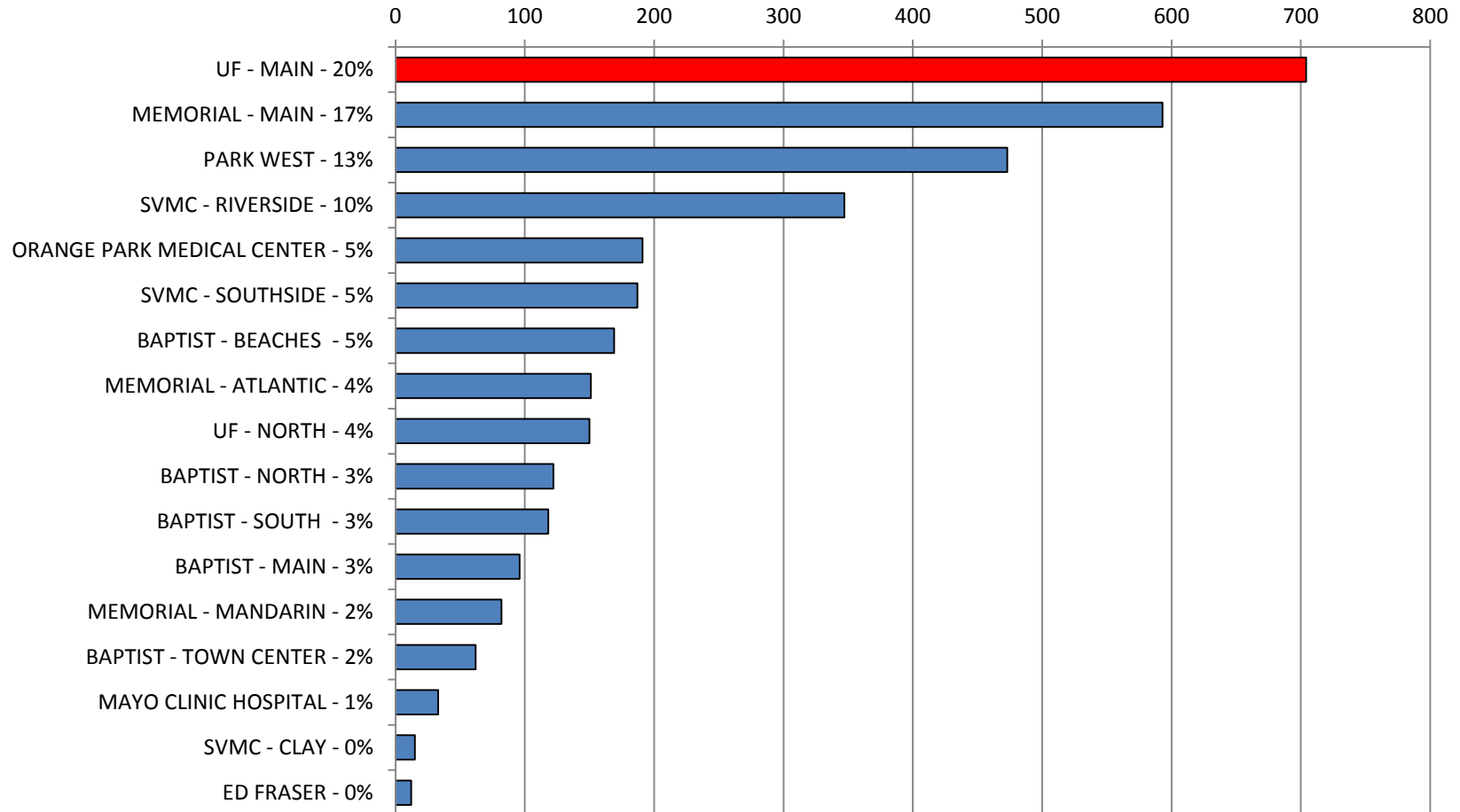
## 2017 - GENDER OF OVERDOSE PATIENTS



## 2017 - OVERDOSE RESPONSE BY ZIP CODE



## 2017 - JACKSONVILLE FIRE AND RESCUE TRANSPORTS FOR NATURE OF CALL ON SCENE = INGESTION/POISONING/OD



# Drugs Identified in Deceased Persons by Florida Medical Examiners



## 2016 Annual Report

FLORIDA DEPARTMENT OF LAW ENFORCEMENT

PUBLISHED NOVEMBER 2017

JACKSONVILLE FIRE & RESCUE DEPARTMENT  
**OVERDOSE Responses and Trend**



## Oxycodone Deaths by Age January - December 2016

Medical Examiner District and Area of Florida		
District	Area of Florida	Total
1	Pensacola	30
2	Tallahassee	23
3	Live Oak	9
4	Jacksonville	118
5	Leesburg	74
6	St. Petersburg	142
7	Daytona Beach	43
8	Gainesville	28
9	Orlando	63
10	Lakeland	43
11	Miami	103
12	Sarasota	70
13	Tampa	90
14	Panama City	25
15	West Palm Beach	120
16	Florida Keys	6
17	Ft. Lauderdale	109
18	Melbourne	81
19	Ft. Pierce	61
20	Naples	37
21	Ft. Myers	38
22	Port Charlotte	23
23	St. Augustine	17
24	Sanford	14
25	Kissimmee	15
Statewide Totals		1,382

Oxycodone Caused Death					
Age of Decedent					
Total	<18	18-25	26-34	35-50	>50
16	0	2	4	3	7
13	0	2	1	4	6
3	0	0	1	1	1
66	3	2	13	26	22
39	0	0	2	14	23
91	1	5	9	33	43
12	0	0	4	4	4
15	0	0	2	5	8
26	0	2	4	9	11
23	0	0	1	10	12
54	0	8	11	22	13
41	0	2	7	17	15
39	1	0	7	14	17
13	0	0	1	9	3
71	0	2	12	26	31
3	0	0	1	2	0
73	0	5	13	31	24
38	0	3	5	12	18
22	0	1	1	4	16
17	0	2	6	5	4
18	0	0	6	7	5
6	0	0	1	1	4
12	0	1	2	4	5
6	0	1	2	2	1
6	0	0	0	3	3
723	5	38	116	268	296

Oxycodone Present at Death					
Age of Decedent					
Total	<18	18-25	26-34	35-50	>50
14	0	1	2	8	3
10	0	0	0	3	7
6	0	1	1	2	2
52	0	1	10	21	20
35	0	0	7	10	18
51	0	2	8	11	30
31	0	1	3	12	15
13	0	0	2	4	7
37	0	5	5	9	18
20	0	1	2	6	11
49	0	2	4	13	30
29	0	0	4	4	21
51	0	3	5	12	31
12	0	0	0	5	7
49	0	1	11	14	23
3	1	0	0	2	0
36	0	1	7	10	18
43	0	3	4	11	25
39	0	1	5	12	21
20	0	3	2	3	12
20	0	2	0	8	10
17	0	1	2	5	9
5	0	0	1	2	2
8	0	0	2	1	5
9	0	1	2	3	3
659	1	30	89	191	348

Source: 2016 Medical Examiners Commission Drug Report

District 4 - Jacksonville area ranks #3 in Oxycodone Deaths by Age

**JACKSONVILLE FIRE & RESCUE DEPARTMENT**  
**OVERDOSE Responses and Trend**





## Hydrocodone Deaths

January – December 2016

Medical Examiner District and Area of Florida		Total Deaths with Hydrocodone			Deaths with Hydrocodone Only			Deaths with Hydrocodone in Combination with Other Drugs		
District	Area of Florida	Total	Cause	Present	Total	Cause	Present	Total	Cause	Present
1	Pensacola	31	5	26	1	0	1	30	5	25
2	Tallahassee	15	5	10	3	1	2	12	4	8
3	Live Oak	10	1	9	3	0	3	7	1	6
4	Jacksonville	90	33	57	5	0	5	85	33	52
5	Leesburg	39	23	16	6	2	4	33	21	12
6	St. Petersburg	56	21	35	10	2	8	46	19	27
7	Daytona Beach	38	14	24	6	1	5	32	13	19
8	Gainesville	14	3	11	5	1	4	9	2	7
9	Orlando	34	10	24	4	0	4	30	10	20
10	Lakeland	35	7	28	5	1	4	30	6	24
11	Miami	34	9	25	2	0	2	32	9	23
12	Sarasota	30	14	16	1	1	0	29	13	16
13	Tampa	43	15	28	10	1	9	33	14	19
14	Panama City	22	9	13	3	0	3	19	9	10
15	West Palm Beach	28	17	11	3	1	2	25	16	9
16	Florida Keys	2	0	2	2	0	2	0	0	0
17	Ft. Lauderdale	21	13	8	4	1	3	17	12	5
18	Melbourne	36	12	24	7	0	7	29	12	17
19	Ft. Pierce	30	7	23	4	1	3	26	6	20
20	Naples	13	3	10	3	0	3	10	3	7
21	Ft. Myers	23	10	13	2	0	2	21	10	11
22	Port Charlotte	11	2	9	0	0	0	11	2	9
23	St. Augustine	19	5	14	4	0	4	15	5	10
24	Sanford	11	5	6	2	1	1	9	4	5
25	Kissimmee	7	2	5	1	1	0	6	1	5
Statewide Totals		692	245	447	96	15	81	596	230	366

Source: 2016 Medical Examiners Commission Drug Report

District 4 – Jacksonville area ranks #1 in Hydrocodone Deaths

**JACKSONVILLE FIRE & RESCUE DEPARTMENT**  
**OVERDOSE Responses and Trend**



## Methadone Deaths

### January – December 2016

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
<b>Statewide Totals</b>	

Total Deaths with Methadone		
Total	Cause	Present
20	9	11
7	4	3
5	2	3
35	26	9
60	40	20
75	52	23
15	11	4
12	7	5
21	14	7
18	14	4
18	14	4
34	22	12
40	27	13
7	6	1
23	13	10
1	1	0
14	10	4
30	21	9
15	3	12
16	11	5
10	8	2
4	1	3
9	7	2
4	4	0
6	3	3
<b>499</b>	<b>330</b>	<b>169</b>

Deaths with Methadone Only		
Total	Cause	Present
3	1	2
1	1	0
1	0	1
0	0	0
10	7	3
6	2	4
0	0	0
3	2	1
2	2	0
0	0	0
0	0	0
2	1	1
9	5	4
0	0	0
1	1	0
0	0	0
2	1	1
3	1	2
2	1	1
5	4	1
0	0	0
1	1	0
2	1	1
1	1	0
1	0	1
<b>55</b>	<b>32</b>	<b>23</b>

Deaths with Methadone in Combination with Other Drugs		
Total	Cause	Present
17	8	9
6	3	3
4	2	2
35	26	9
50	33	17
69	50	19
15	11	4
9	5	4
19	12	7
18	14	4
18	14	4
32	21	11
31	22	9
7	6	1
22	12	10
1	1	0
12	9	3
27	20	7
13	2	11
11	7	4
10	8	2
3	0	3
7	6	1
3	3	0
5	3	2
<b>444</b>	<b>298</b>	<b>146</b>

Source: 2016 Medical Examiners Commission Drug Report

District 4 – Jacksonville area ranks #3 in Methadone Deaths

**JACKSONVILLE FIRE & RESCUE DEPARTMENT**  
**OVERDOSE Responses and Trend**



## Morphine Deaths January – December 2016

Medical Examiner District and Area of Florida		Total Deaths with Morphine			Deaths with Morphine Only			Deaths with Morphine in Combination with Other Drugs		
District	Area of Florida	Total	Cause	Present	Total	Cause	Present	Total	Cause	Present
1	Pensacola	62	46	16	2	1	1	60	45	15
2	Tallahassee	20	3	17	4	0	4	16	3	13
3	Live Oak	12	7	5	3	1	2	9	6	3
4	Jacksonville	145	125	20	3	3	0	142	122	20
5	Leesburg	122	74	48	4	1	3	118	73	45
6	St. Petersburg	145	84	61	17	9	8	128	75	53
7	Daytona Beach	45	29	16	0	0	0	45	29	16
8	Gainesville	24	9	15	7	1	6	17	8	9
9	Orlando	148	100	48	7	0	7	141	100	41
10	Lakeland	47	16	31	6	1	5	41	15	26
11	Miami	237	172	65	5	0	5	232	172	60
12	Sarasota	77	23	54	4	1	3	73	22	51
13	Tampa	109	64	45	17	3	14	92	61	31
14	Panama City	15	6	9	0	0	0	15	6	9
15	West Palm Beach	256	227	29	3	1	2	253	226	27
16	Florida Keys	12	8	4	1	0	1	11	8	3
17	Ft. Lauderdale	193	132	61	13	4	9	180	128	52
18	Melbourne	76	52	24	3	1	2	73	51	22
19	Ft. Pierce	49	23	26	7	2	5	42	21	21
20	Naples	34	19	15	0	0	0	34	19	15
21	Ft. Myers	81	55	26	5	1	4	76	54	22
22	Port Charlotte	39	4	35	8	0	8	31	4	27
23	St. Augustine	14	5	9	2	0	2	12	5	7
24	Sanford	40	32	8	2	0	2	38	32	6
25	Kissimmee	38	23	15	3	0	3	35	23	12
Statewide Totals		2,040	1,338	702	126	30	96	1,914	1,308	606

Source: 2016 Medical Examiners Commission Drug Report

District 4 – Jacksonville area ranks #5 in Morphine Deaths

**JACKSONVILLE FIRE & RESCUE DEPARTMENT**  
**OVERDOSE Responses and Trend**



## Fentanyl Deaths

January – December 2016

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
<b>Statewide Totals</b>	

Total Deaths with Fentanyl		
Total	Cause	Present
16	13	3
7	4	3
2	1	1
281	239	42
71	60	11
70	58	12
32	27	5
13	11	2
107	70	37
21	17	4
185	164	21
52	42	10
35	28	7
11	10	1
331	313	18
8	8	0
154	146	8
53	38	15
63	37	26
14	12	2
47	34	13
12	5	7
15	15	0
29	25	4
15	13	2
<b>1,644</b>	<b>1,390</b>	<b>254</b>

Deaths with Fentanyl Only		
Total	Cause	Present
3	2	1
2	2	0
0	0	0
17	12	5
8	7	1
5	4	1
0	0	0
2	1	1
13	5	8
2	1	1
1	0	1
2	1	1
6	3	3
0	0	0
42	41	1
2	2	0
18	14	4
8	2	6
7	4	3
0	0	0
8	5	3
0	0	0
2	2	0
1	1	0
2	1	1
<b>151</b>	<b>110</b>	<b>41</b>

Deaths with Fentanyl in Combination with Other Drugs		
Total	Cause	Present
13	11	2
5	2	3
2	1	1
264	227	37
63	53	10
65	54	11
32	27	5
11	10	1
94	65	29
19	16	3
184	164	20
50	41	9
29	25	4
11	10	1
289	272	17
6	6	0
136	132	4
45	36	9
56	33	23
14	12	2
39	29	10
12	5	7
13	13	0
28	24	4
13	12	1
<b>1,493</b>	<b>1,280</b>	<b>213</b>

Source: 2016 Medical Examiners Commission Drug Report

District 4 – Jacksonville area ranks #2 in Fentanyl Deaths

**JACKSONVILLE FIRE & RESCUE DEPARTMENT**  
**OVERDOSE Responses and Trend**



## Prescription Drugs in Medical Examiner Deaths

2015 versus 2016

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	
<p><i>These tables are based on prescription drugs tracked by the Medical Examiners Commission and reported by Florida Medical Examiners. Do not add across columns.</i></p>	

Total Prescription Drug Deaths in ME Deaths (Present and Cause)		
2015	2016	Percent Change
208	173	-16.8%
51	82	60.8%
36	49	36.1%
355	619	74.4%
191	398	108.4%
472	550	16.5%
174	181	4.0%
106	100	-5.7%
428	412	-3.7%
199	190	-4.5%
541	641	18.5%
332	285	-14.2%
360	381	5.8%
89	102	14.6%
394	694	76.1%
52	40	-23.1%
292	523	79.1%
271	301	11.1%
197	262	33.0%
87	95	9.2%
207	209	1.0%
70	87	24.3%
69	84	21.7%
93	100	7.5%
90	100	11.1%
5,364	6,658	24.1%
<p><i>These individuals died with one or more prescription drugs in their system. The drugs were identified as either the cause of death or merely present in the decedent and also may have been mixed with illicit drugs and/or alcohol.</i></p>		

Accidental Deaths with Prescription Drugs (Present and Cause)		
2015	2016	Percent Change
128	107	-16.4%
22	43	95.5%
22	30	36.4%
220	483	119.5%
103	269	161.2%
278	357	28.4%
97	102	5.2%
51	53	3.9%
257	254	-1.2%
96	109	13.5%
288	390	35.4%
224	195	-12.9%
188	209	11.2%
43	55	27.9%
251	562	123.9%
21	26	23.8%
220	423	92.3%
161	173	7.5%
107	166	55.1%
49	57	16.3%
118	138	16.9%
36	38	5.6%
30	49	63.3%
44	61	38.6%
50	54	8.0%
3,104	4,403	41.8%
<p><i>The manner of death for these decedents was reported as accidental. These individuals died with one or more prescription drugs in their system. The drugs were identified as either the cause of death or merely present in the decedent and also may have been mixed with illicit drugs and/or alcohol.</i></p>		

Accidental Deaths Caused by Prescription Drugs		
2015	2016	Percent Change
91	82	-9.9%
14	23	64.3%
15	14	-6.7%
161	404	150.9%
63	186	195.2%
212	291	37.3%
69	64	-7.2%
30	28	-6.7%
182	183	0.5%
58	63	8.6%
166	263	58.4%
176	136	-22.7%
134	153	14.2%
23	38	65.2%
182	481	164.3%
12	21	75.0%
194	330	70.1%
114	112	-1.8%
69	87	26.1%
39	44	12.8%
77	96	24.7%
19	13	-31.6%
19	34	78.9%
35	52	48.6%
37	36	-2.7%
2,191	3,234	47.6%
<p><i>The manner of death for these decedents was reported as accidental. These individuals died with at least one prescription drug in their system that was identified as causing or contributing to the death. These drugs may also have been mixed with illicit drugs and/or alcohol.</i></p>		

Source: 2016 Medical Examiners Commission Drug Report

District 4 – Jacksonville area ranks #6 Prescription Drug Deaths

**JACKSONVILLE FIRE & RESCUE DEPARTMENT**  
**OVERDOSE Responses and Trend**



## Heroin Deaths

January – December 2016

Medical Examiner District and Area of Florida		Total Deaths with Heroin			Deaths with Heroin Only			Deaths with Heroin in Combination with Other Drugs		
District	Area of Florida	Total	Cause	Present	Total	Cause	Present	Total	Cause	Present
1	Pensacola	34	32	2	0	0	0	34	32	2
2	Tallahassee	1	0	1	0	0	0	1	0	1
3	Live Oak	0	0	0	0	0	0	0	0	0
4	Jacksonville	81	80	1	1	1	0	80	79	1
5	Leesburg	40	39	1	0	0	0	40	39	1
6	St. Petersburg	18	16	2	0	0	0	18	16	2
7	Daytona Beach	21	21	0	0	0	0	21	21	0
8	Gainesville	2	2	0	1	1	0	1	1	0
9	Orlando	68	66	2	0	0	0	68	66	2
10	Lakeland	11	7	4	1	1	0	10	6	4
11	Miami	139	133	6	0	0	0	139	133	6
12	Sarasota	32	21	11	0	0	0	32	21	11
13	Tampa	52	49	3	0	0	0	52	49	3
14	Panama City	8	8	0	0	0	0	8	8	0
15	West Palm Beach	205	194	11	0	0	0	205	194	11
16	Florida Keys	7	6	1	0	0	0	7	6	1
17	Ft. Lauderdale	180	161	19	10	10	0	170	151	19
18	Melbourne	21	19	2	0	0	0	21	19	2
19	Ft. Pierce	7	7	0	0	0	0	7	7	0
20	Naples	15	15	0	0	0	0	15	15	0
21	Ft. Myers	30	27	3	0	0	0	30	27	3
22	Port Charlotte	3	3	0	0	0	0	3	3	0
23	St. Augustine	6	5	1	0	0	0	6	5	1
24	Sanford	27	26	1	0	0	0	27	26	1
25	Kissimmee	15	15	0	0	0	0	15	15	0
Statewide Totals		1,023	952	71	13	13	0	1,010	939	71

Source: 2016 Medical Examiners Commission Drug Report

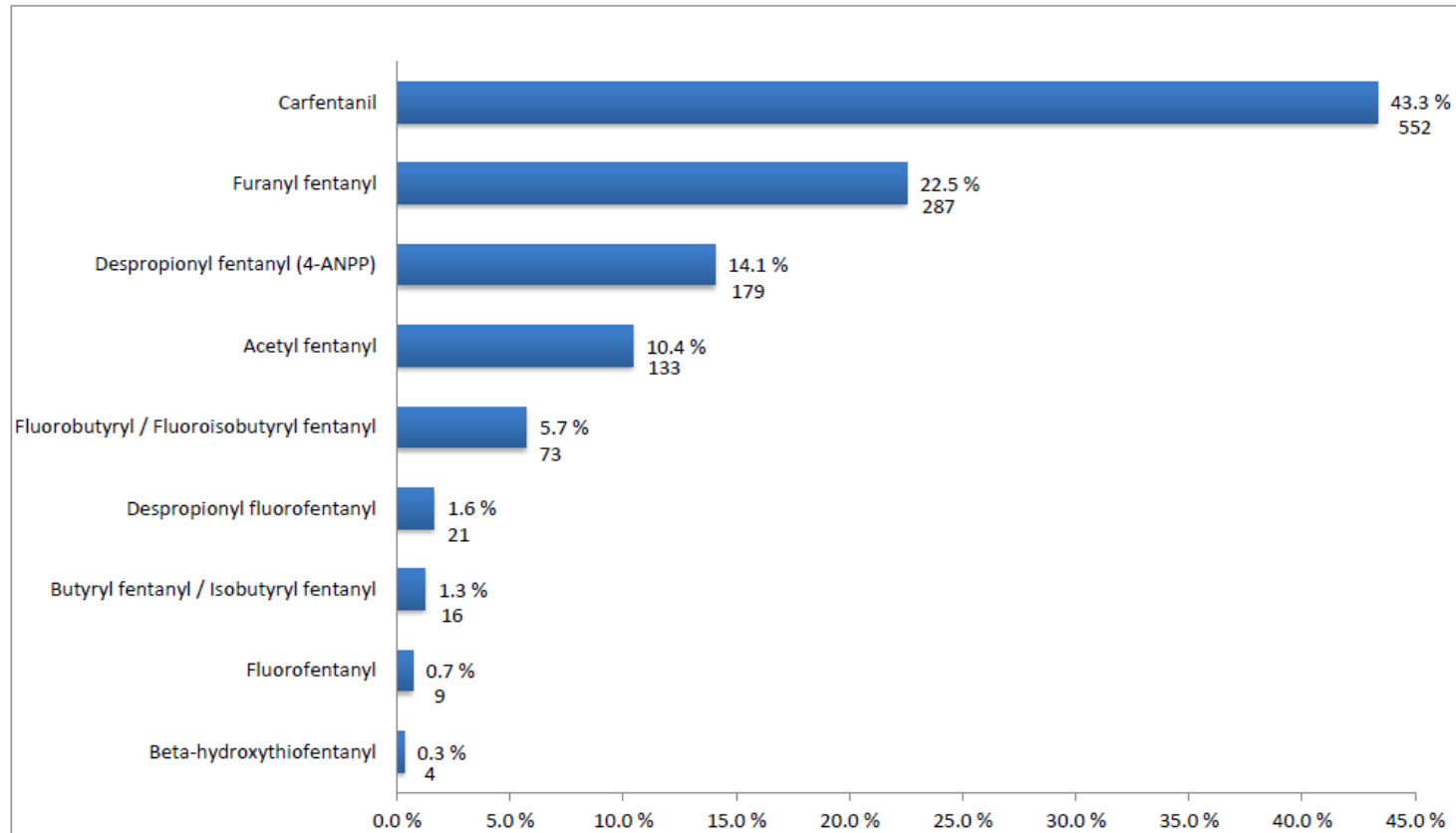
District 4 – Jacksonville area ranks #4 in Heroin Deaths

**JACKSONVILLE FIRE & RESCUE DEPARTMENT**  
**OVERDOSE Responses and Trend**



## Frequency of Occurrence of Fentanyl Analogs

January – December 2016



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

Source: 2016 Medical Examiners Commission Drug Report



# Project Save Lives

**An Opioid Epidemic Pilot Program**





# Project Save Lives - Objective

- The purpose of the six month Opioid Epidemic Pilot Project dubbed “Project Save Lives” is to establish a program within Duval County that provides specialized, coordinated and seamless services for the treatment of opioid addiction and misuse, thereby reducing dependence on opioid drugs, recidivism and death.
- The targeted services are provided by healthcare providers and include, but are not limited to stabilization and treatment for withdraw, connection to a peer, medication assisted therapy and seamless transfer to residential and/or outpatient treatment.
- The program and its services are provided through a partnership with the City of Jacksonville, River Region Human Services, Gateway Community Services, UF Health, and St. Vincent’s Health System.



# Project Save Lives - Immediate Intervention

- Immediate intervention begins once the overdose patient arrives at the Emergency Department.
- The patient is connected with a trained Peer Recovery Specialist who is at the bedside and maintains contact with the patient and their family.
- Once the patient is stabilized and treated for withdrawal, the Peer Recovery Specialist offers options to the patient, such as detox, medication-assisted therapy and residential and outpatient treatment.
- Patients who choose to participate are driven directly from the ED to the treatment facility.
- This immediate connection to a peer and seamless wrap-around services are designed to reduce the chance of relapse that is typically seen when a patient is quickly discharged and back on the street within hours.
- Patients who choose not to participate are still followed by a Peer Recovery Specialist and can choose to participate in the program at a later time.
- Narcan Nasal Spray is also provided to patients and/or family upon discharge.



# Project Save Lives - Funding & Expansion

- City of Jacksonville City Council approved an ordinance appropriating \$1,467,289 to fund the six month opioid epidemic pilot program
- Due to this generous funding, there is no cost to the patient who elects to participate in PSL.
- To increase the opportunity for overdose patients and addicts to get the treatment they need, the program is now being expanded to St. Vincent's Southside ED.

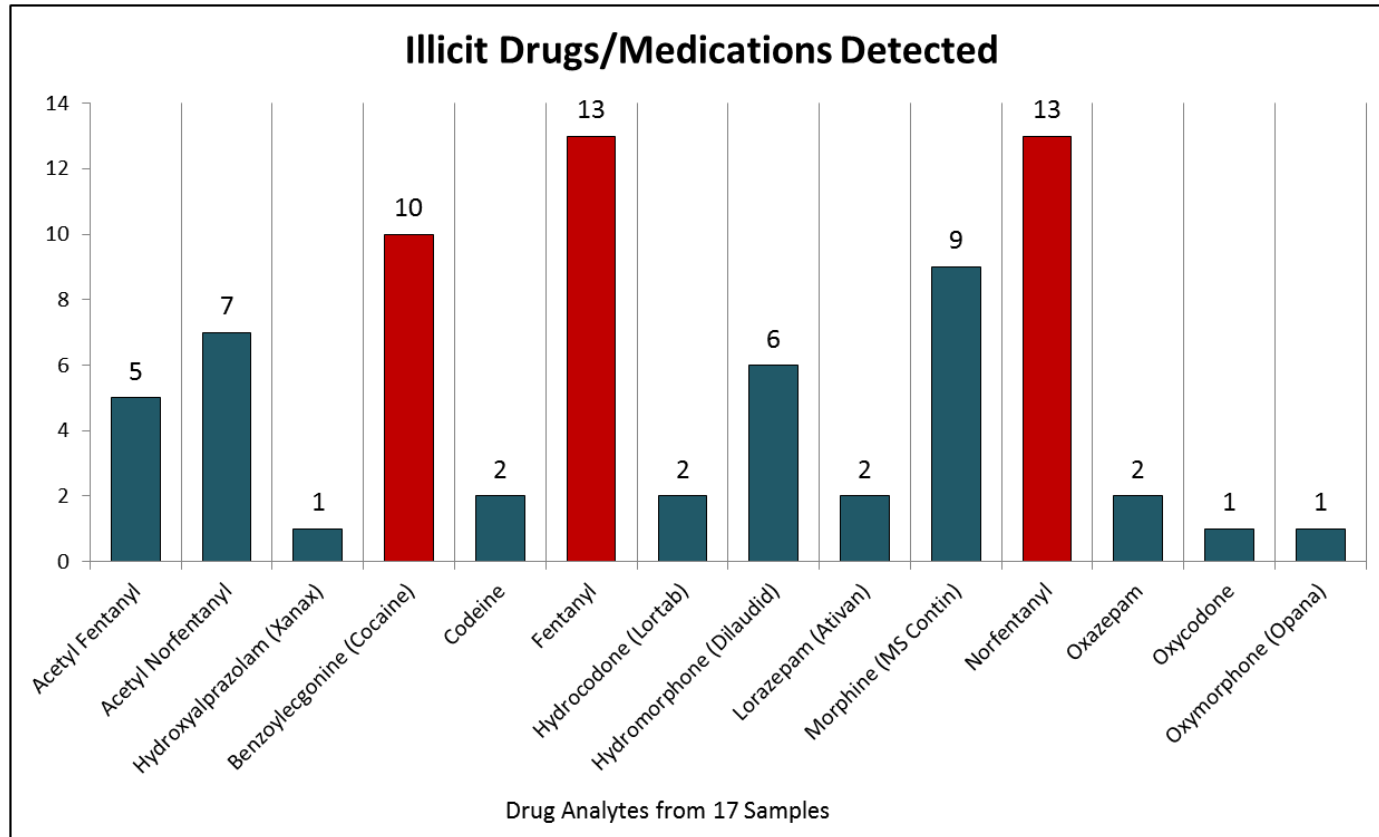


# Project Save Lives - Status

Project Save Lives began on November 16, 2017. This update is current through March 21, 2018 07:39 AM

DESCRIPTION	COUNT
<b>TOTAL PATIENTS ELIGIBLE FOR PROGRAM PARTICIPATION</b>	<b>57</b>
EXPIRED PRIOR TO SERVICES	2
REFUSED ALL SERVICES	8
ADMITTED TO HOSPITAL – PEER ENGAGEMENT/AWAITING CONSENT	1
<b>ACCEPTED RECOVERY PEER SERVICES FROM ED INITIALLY</b>	<b>46</b>
LOST TO FOLLOW-UP (i.e., no phone services, relocated, etc.)	16
<b>TOTAL PARTICIPANTS ACTIVELY ENGAGED</b>	<b>30</b>
INITIAL TRADITIONAL (RESIDENTIAL/OUTPATIENT + PEER SERVICES)	18
PEER SUPPORT SERVICES ONLY	12





These results support a growing concern that persons who use cocaine are at high risk of overdosing on fentanyl-laced cocaine.



<p align="center">Opioid Epidemic Six (6) Month Pilot Program Gateway Community Services, Inc., River Region Human Resources and UF Health/College of Medicine Budget Period: One (1) Month/ Six (6) Months (Including Outpatient Services)</p>					
Service Category	Description	Rate Per Hour/Day/annually/mile	Number of Units/Days/Mth./Miles	Total Monthly Cost Per facility	6 Month Total Cost for both GCS & RRHS
Residential Level 2	10 clients per day for 30 days for 6 mths for each GCS and RRHS (all inclusive fee for Rm & Board, all services)	\$180	300.00	\$54,000	\$648,000
Outpatient Services	Individual hours- Initial hours required (30 patients per month) Orientation 1 hr.; Treatment Plan 1 hr.; Bio- psychosocial 1.5 hrs.	\$86	105.00	\$9,030	\$108,360
	Outpatient Group Hours				
	Outpatient Services (3 grps of 10 ea, meets 2hrs.-2X/week, 4 wks)	\$27	480.00	\$12,720	\$152,640
	Urine Screens; 1/week / patient, 4 wks, 30 patients per month)	\$27	120.00	\$3,180	\$38,160
Medication Cost	Medication cost will be obtained thru U of F Health If picked up by COJ (14 pills/week/patient (30 patients) (cost of pill is \$4.00)	\$4	1,680.00	\$6,720	\$80,640
Physician Fees	Doctor/ Physical Evaluation (30 new eval/mth @ .5 hrs each)	\$359	15.00	\$5,385	\$64,620
	Monthly Return Visit for Medication Mgt.w/Phy (30/mo @ .5 hrs ea)	\$359	15.00	\$5,385	\$64,620
	Nursing Screen/Lab work (30/mo @ .25hrs ea.)	\$359	7.50	\$2,693	\$32,310
	Peer Specialist Manager (GCS Salary & Benefits)	\$55,800	12.00	\$4,650	\$27,900
	Lead Care Coordinator (RRHS) Salary and Benefits	\$75,000	12.00	\$6,250	\$37,500
	One Site Research Coordinator for both facilities (Salary+ Benefits. No units of service for 12 months. 6 months pilot plus 6 months follow up.)	\$45,000	12.00	\$4,725	\$56,700
Incidental Expenses	Transportation, Mini van Leasing Enterprise	\$1,184	1.00	\$1,184	\$7,106
	Deposit for Van Leasing (one time flat fee)	\$200	1.00	\$200	\$200
	Liability Insurance (\$20/day)	\$20	30.00	\$600	\$3,600
<b>Total Cost for GCS &amp; RRHS</b>					<b>\$1,322,356</b>
<p>UF Health/College of Medicine Jacksonville Data Collection and Analysis</p> <p>The following budget includes costs associated with the 6 month pilot and 6 months of post ED pilot data collection by UF evaluation team</p>					
		Salary/ Rate	Effort		
Psychiatry Physician	Supervision (fringe rate 0.183) for 6 months	\$187,000	10%	\$1,844	\$11,061
PhD.	Evaluation (fringe rate 0.274 - for 12 months	\$118,500	15%	\$1,687	\$22,645
Staff	Data Analysis (fringe rate 0.358) - for 12 months	\$73,893	10%	\$836	\$10,035
					\$43,741
Indirect Cost	Overhead rate	32.50%			\$14,260
<b>Total for UF Health</b>					<b>\$58,001</b>
Designated E.D.					
	Physician Time				\$10,000
	Mental Health Worker Time				\$9,922
ED Project Coordinator	Management (fringe rate 0.358) for 12 months	\$45,000	100%	\$5,093	\$61,110
Supplies	Urine Fentanyl Test Strips (4000 @ \$.95)	\$0.95	4,000	\$633	\$3,800
Training					
	SBIRT training (2 people)	\$1,000	2		\$2,000
	SBIRT user fee (2 people)	\$50	2		\$100
<b>Total for Designated E. D.</b>					<b>\$86,932</b>
<b>Total COJ Cost for Program - NOTE: Line Items for Designated E.D. may change but will not exceed Total budget shown</b>					<b>\$1,467,289</b>

## JACKSONVILLE FIRE & RESCUE DEPARTMENT

### OVERDOSE Responses and Trend

