



Emergency Medical Services Controlled Substance Overdose Report

**First Quarter 2020
January – March**

**Ron DeSantis
Governor**

**Scott A. Rivkees, MD
State Surgeon General**

Report Overview

In response to the national opioid epidemic, Governor Rick Scott signed House Bill 249: Drug Overdoses into law in 2017. This requires the Florida Department of Health (Department) to create a quarterly report that summarizes overdose data received by the Department from licensed emergency medical service (EMS) providers. The report is to be provided to the Statewide Drug Policy Advisory Council, the Florida Department of Children and Families, and the Florida Fusion Center. In addition to this quarterly report, the data are immediately made available to county level first responder and public health agencies.

This report is based on information received through the Florida Emergency Medical Services Tracking and Reporting System (EMSTARS) and represents a summary of EMS overdose responses reported into EMSTARS. EMSTARS is a voluntary program and records received by the Department represent 90 percent of the EMS responses throughout Florida.

Although the system is capable of capturing detailed information on the suspected cause of an overdose (i.e., heroin, fentanyl), in most cases this information is not included in the EMS record and therefore not included in the EMSTARS reporting. This is primarily due to the limited ability for EMS to make or to record a specific determination as to the cause of a suspected overdose during an emergency medical response. Differences between data standards, software vendors, and agency configuration may also affect the level of detail provided in EMSTARS records.

The EMSTARS data are characterized as responses because a single patient encounter may involve more than one agency. For example, a patient can receive initial treatment from a non-transport agency and be transported to a hospital by a different agency. When examining the overdose burden on the state EMS system, reviewing the total number of responses helps inform stakeholders on the resources devoted to the opioid epidemic.

Records included in EMSTARS are for patient-incidents where the 9-1-1 response involved an evaluation, treatment, and/or transport of a patient for extreme physical illness, decreased level of consciousness, respiratory depression, coma, or death resulting from the consumption or use of any substance that requires medical attention, assistance or treatment, and clinical suspicion for drug overdose, such as respiratory depression, unconsciousness, or altered mental status, without other conditions to explain the clinical condition. EMS personnel issue impressions to describe a patient's condition in the EMS record. Impressions are encoded in International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10 CM) diagnostic categories as listed in the Data Definitions section on the following page. Information on the patient outcome is limited to the information available in the EMS record. The actual number of overdose deaths occurring in Florida is not represented in this report. Patients may expire after care is transferred from EMS to hospitals or be obviously dead and not require an EMS response. Actual diagnoses are issued by a licensed physician in a medical setting, including pronouncement of death. Official cause of death is determined by medical examiners.

Any questions about this report can be directed to:

Florida Department of Health
Division of Emergency Preparedness and Community Support
Bureau of Emergency Medical Oversight
4052 Bald Cypress Way, Bin A22 • Tallahassee, Florida 32399-1722
Phone: (850) 245-4440 • Fax: (850) 488-9408 • EMS@flhealth.gov

Data Definitions

Suspected drug overdose:

Fatal: Primary/Secondary Impression of “T36 - T50, F11 - F16, F18 - F19” and patient death reported

Non-fatal: Primary/Secondary Impression of “T36 - T50, F11 - F16, F18 - F19” and no indication of death

Suspected opioid overdose:

Fatal: Primary/Secondary Impression of “T40.1 - T40.4, T40.60, T40.69, F11” and patient death reported

Non-fatal: Primary/Secondary Impression of “T40.1 - T40.4, T40.60, T40.69, F11” and no indication of death

Administration of opioid-antagonist:

Fatal: Primary/Secondary Impression of “T36 - T50, F11 - F16, F18 - F19” and administration of naloxone and patient death reported

Non-fatal: Primary/Secondary Impression of “T36 - T50, F11 - F16, F18 - F19” and administration of naloxone and no indication of death

Inclusion Criteria

1. Type of Service Requested = 911 Response
2. Incident/Patient Disposition indicates that the patient was evaluated, treated, and/or transported
3. Incident location must be within Florida

Note

Some EMS protocols call for administration of an opioid antagonist for patients exhibiting altered mental status as a frontline medication and diagnostic tool.

ICD-10 CM	Description
F11	Opioid related disorders
F12	Cannabis related disorders
F13	Sedative, hypnotic, or anxiolytic related disorders
F14	Cocaine related disorders
F15	Other stimulant related disorders
F16	Hallucinogen related disorders
F18	Inhalant related disorders
F19	Other psychoactive substance related disorders
T36	Poisoning by, adverse effect of and underdosing of systemic antibiotics
T37	Poisoning by, adverse effect of and underdosing of other systemic anti-infectives and antiparasitics
T38	Poisoning by, adverse effect of and underdosing of hormones and their synthetic substitutes and antagonists, not elsewhere classified
T39	Poisoning by, adverse effect of and underdosing of nonopioid analgesics, antipyretics and antirheumatics
T40	Poisoning by, adverse effect of and underdosing of narcotics and psychodysleptics [hallucinogens]
T40.1	Poisoning by and adverse effect of heroin
T40.2	Poisoning by, adverse effect of and underdosing of other opioids
T40.3	Poisoning by, adverse effect of and underdosing of methadone
T40.4	Poisoning by, adverse effect of and underdosing of other synthetic narcotics
T40.60	Poisoning by, adverse effect of and underdosing of unspecified narcotics
T40.69	Poisoning by, adverse effect of and underdosing of other narcotics
T41	Poisoning by, adverse effect of and underdosing of anesthetics and therapeutic gases
T42	Poisoning by, adverse effect of and underdosing of antiepileptic, sedative- hypnotic and antiparkinsonism drugs
T43	Poisoning by, adverse effect of and underdosing of psychotropic drugs, not elsewhere classified
T44	Poisoning by, adverse effect of and underdosing of drugs primarily affecting the autonomic nervous system
T45	Poisoning by, adverse effect of and underdosing of primarily systemic and hematological agents, not elsewhere classified
T46	Poisoning by, adverse effect of and underdosing of agents primarily affecting the cardiovascular system
T47	Poisoning by, adverse effect of and underdosing of agents primarily affecting the gastrointestinal system
T48	Poisoning by, adverse effect of and underdosing of agents primarily acting on smooth and skeletal muscles and the respiratory system
T49	Poisoning by, adverse effect of and underdosing of topical agents primarily affecting skin and mucous membrane and by ophthalmological, otorhinolaryngological and dental drugs
T50	Poisoning by, adverse effect of and underdosing of diuretics and other and unspecified drugs, medicaments and biological substances

Florida Overview (1st Quarter 2020)

	Non-fatal	Rate	Fatal	Rate
Total number of suspected drug overdose EMS responses	12,161	5.63	69	0.03
Total number of suspected opioid overdose EMS responses	4,743	2.20	31	0.01
EMS responses including administration of an opioid-antagonist	9,118	4.22	325	0.15

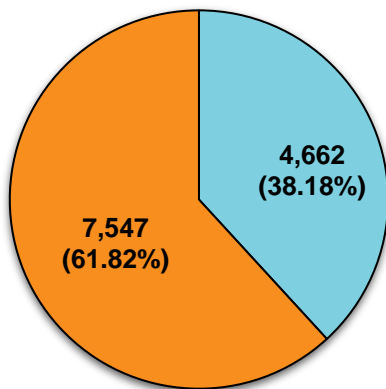
Note: Population rate per 10,000 people.

Suspected drug overdose (including both fatal and non-fatal):

Age group	<1	1-4	5-9	10-14	15-24	25-34	35-44	45-54	55-64	65+
Frequency	15	76	16	173	1,594	3,655	2,844	1,611	1,339	857
Rate	0.65	0.82	0.14	1.41	6.34	12.91	10.90	5.78	4.63	1.94

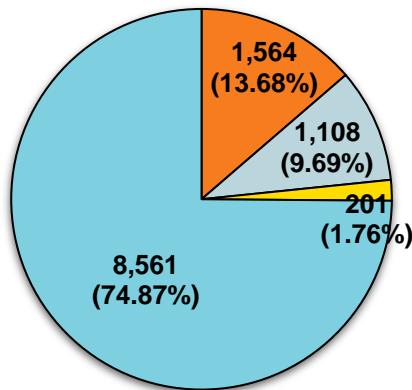
Note: Population rate per 10,000 people. Counts for age are for only the total number of records that include that information.

Gender



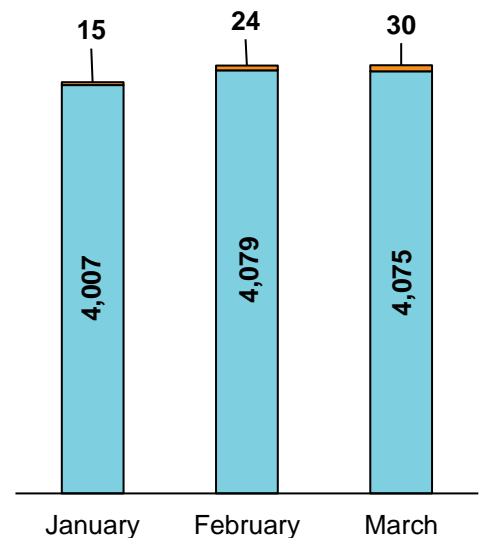
Female Male

Race/Ethnicity



Black Hispanic Other White

Trend (by Month)

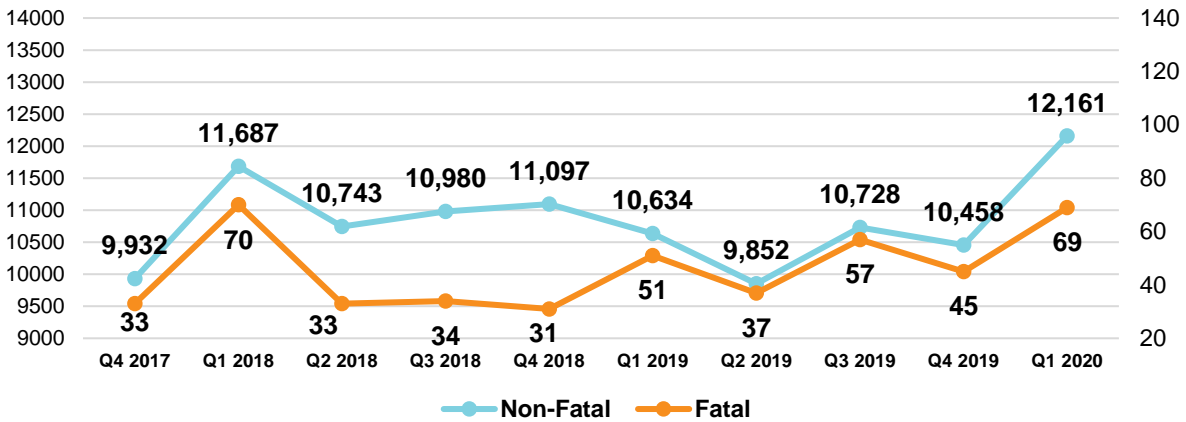


Fatal Drug Overdose
Non-Fatal Drug Overdose

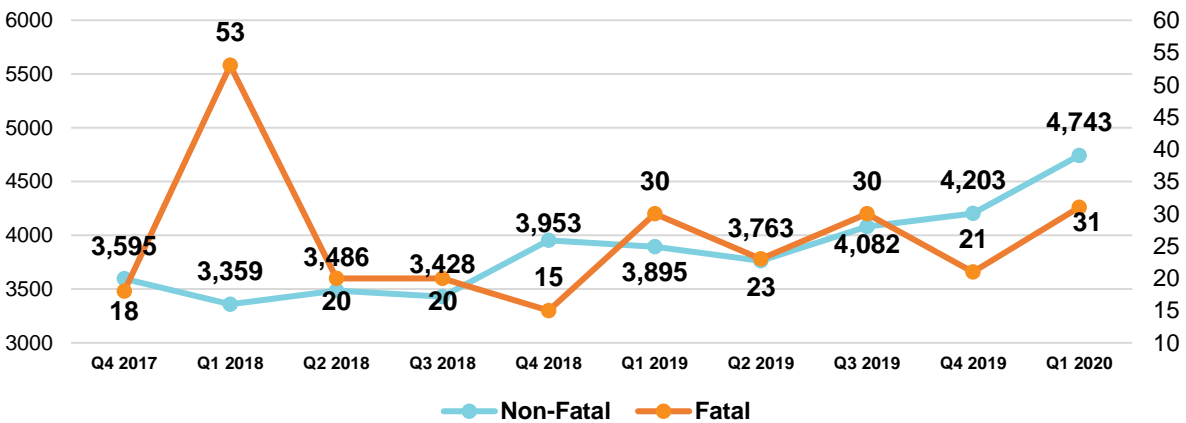
Note: Counts for gender and race/ethnicity are for only the total number of records that include that information; for gender, 99.83% of the total records are presented in the chart; for race/ethnicity, 93.49% of the total records are presented in the chart.

Florida Trend (by Quarter)

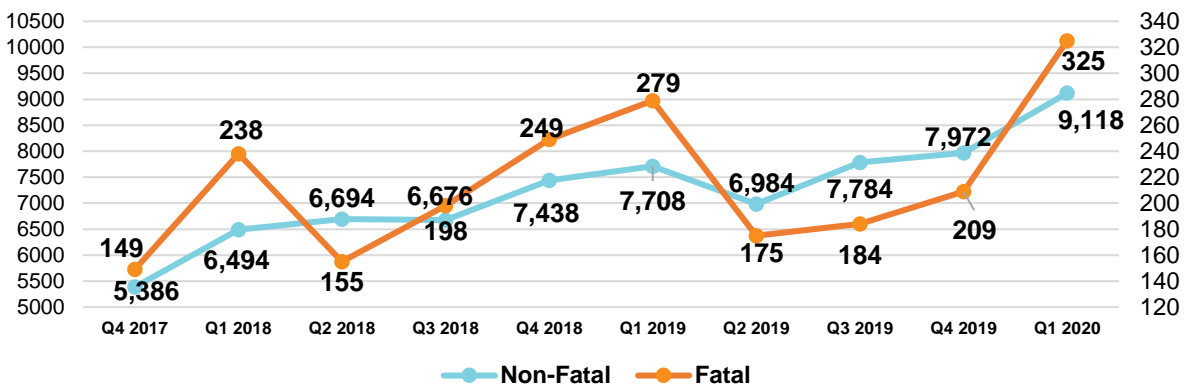
Total number of suspected drug overdose EMS responses



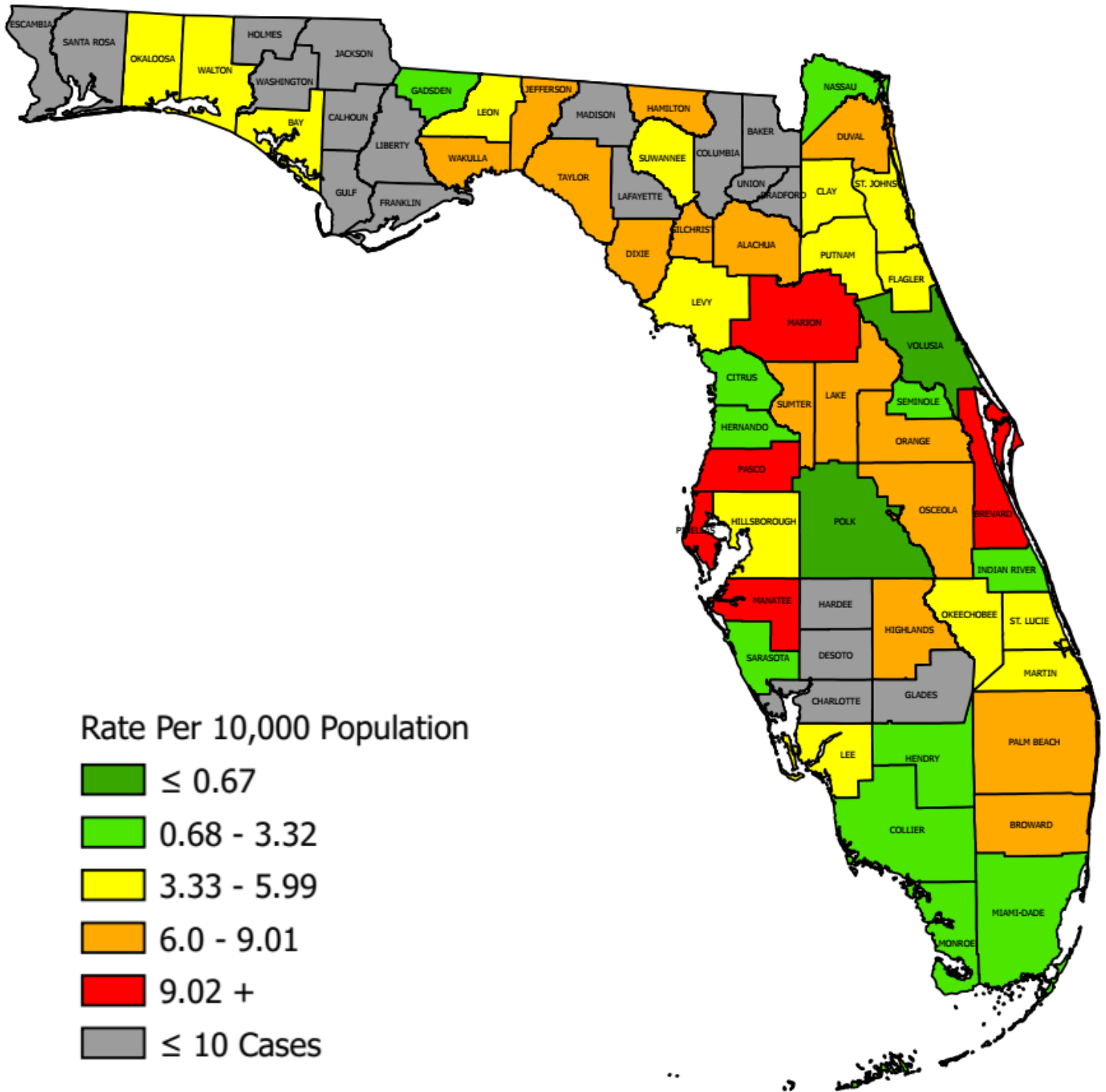
Total number of suspected opioid overdose EMS responses



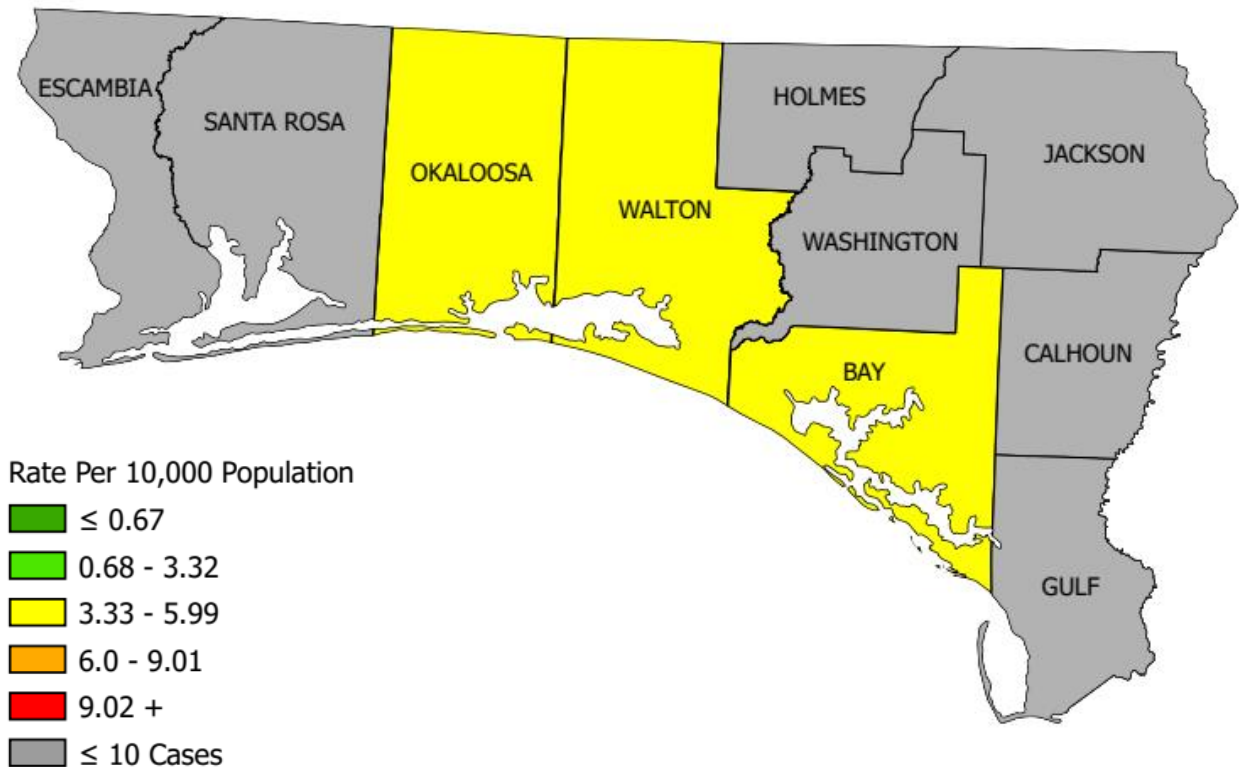
EMS responses including administration of an opioid-antagonist



Total Drug Overdose (Fatal and Non-Fatal) 1st Quarter 2020



Region 1 (1st Quarter 2020)



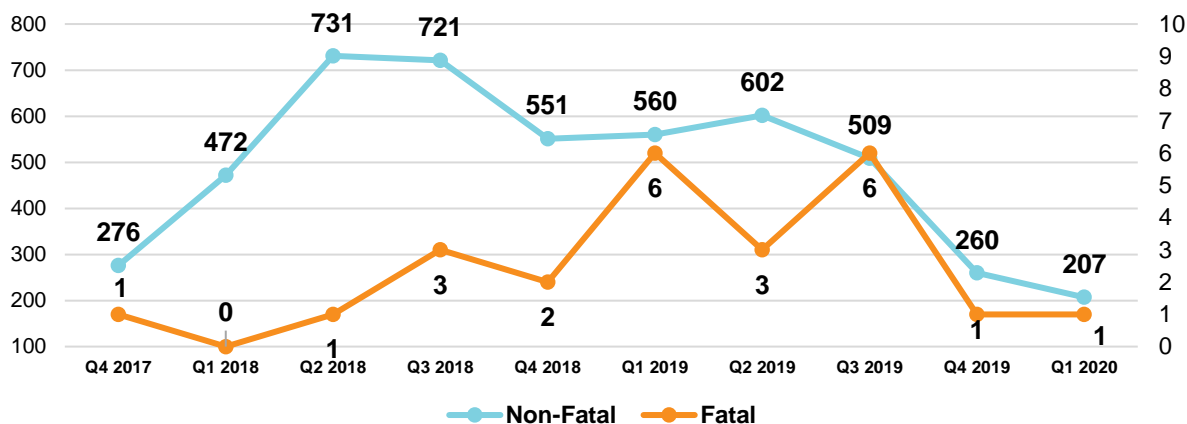
Geographic Area	Drug Overdose			Opioid Overdose			Opioid-Antagonist		
	Non-Fatal	Rate	Fatal	Non-Fatal	Rate	Fatal	Non-Fatal	Rate	Fatal
Bay	72	4.04	.	39	2.19	.	103	5.78	2
Calhoun	3	.	.	.	.	.	4	.	.
Escambia	1	.	.	1	.	.	.	.	.
Gulf	2	.	.	1	.	.	2	.	.
Holmes	2	.	.	.	.	.	1	.	.
Jackson	2	.	.	1	.	.	10	.	.
Okaloosa	81	3.99	.	33	1.62	.	67	3.30	1
Santa Rosa	5	.	.	3	.	.	4	.	.
Walton	38	5.26	1	8	.	.	14	1.94	.
Washington	1	.	.	.	.	.	6	.	.
Total	207	1.90	1	86	0.79	.	211	1.94	3

Note: 1. Population rate per 10,000 people.

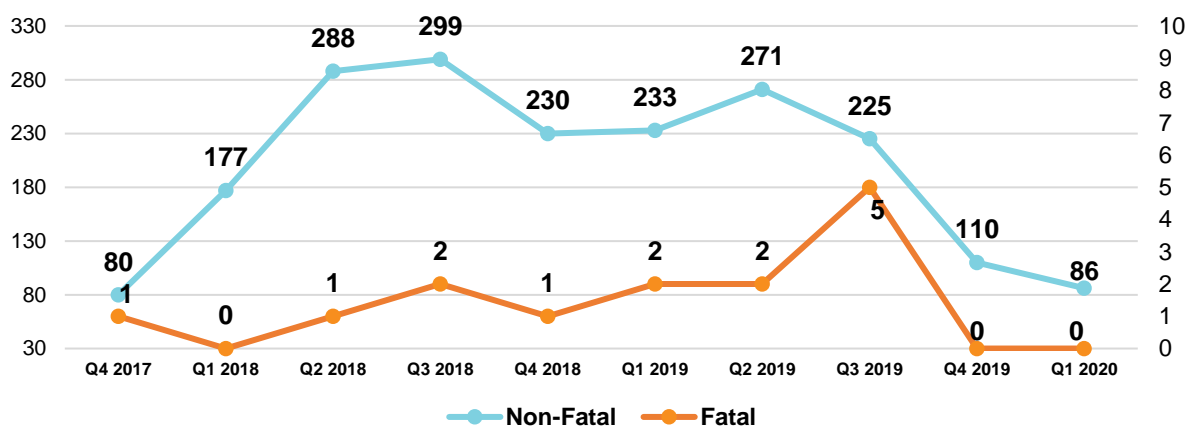
2. Rate is not presented when frequency is less than or equal to 10.

Region 1 Trend (by Quarter)

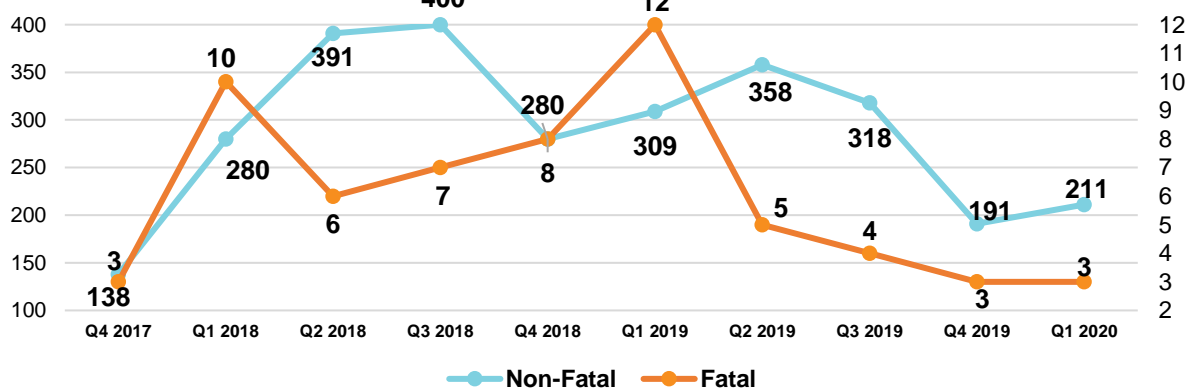
Total number of suspected drug overdose EMS responses



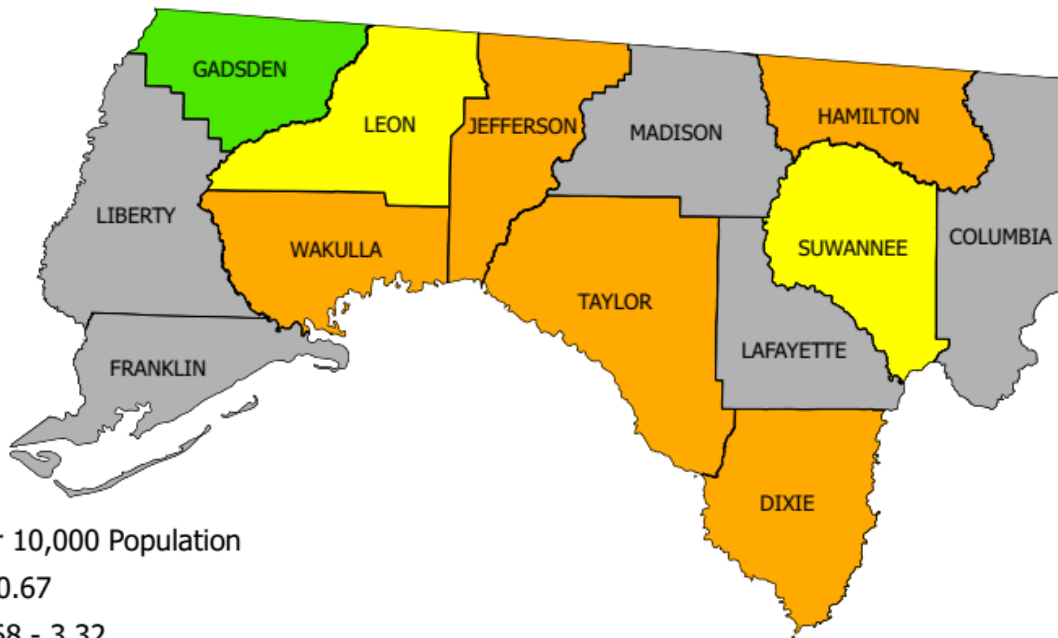
Total number of suspected opioid overdose EMS responses



EMS responses including administration of an opioid-antagonist



Region 2 (1st Quarter 2020)



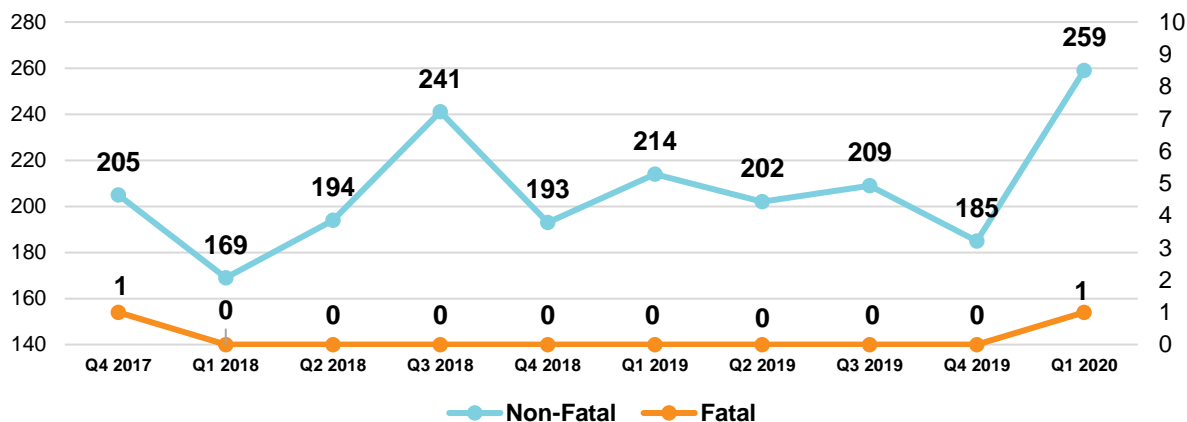
Geographic Area	Drug Overdose			Opioid Overdose			Opioid-Antagonist		
	Non-Fatal	Rate	Fatal	Non-Fatal	Rate	Fatal	Non-Fatal	Rate	Fatal
Columbia	6	.	.	1	.	.	5	.	.
Dixie	13	7.81	1	3	.	.	7	.	3
Franklin	5	.	.	.	.	.	.	.	.
Gadsden	12	2.49	.	1	.	.	3	.	.
Hamilton	11	7.35	.	2	.	.	2	.	.
Jefferson	13	8.73	.	2	.	.	3	.	.
Lafayette	1	.	.	.	.	.	1	.	.
Leon	135	4.52	.	43	1.44	.	44	1.47	3
Liberty	1	.	.	.	.	.	1	.	.
Madison	3	.	.	.	.	.	1	.	.
Suwannee	20	4.34	.	3	.	.	20	4.34	1
Taylor	17	7.39	.	.	.	.	11	4.78	.
Wakulla	22	6.67	.	3	.	.	14	4.25	.
Total	259	4.20	1	58	0.94	.	112	1.82	7

Note: 1. Population rate per 10,000 people.

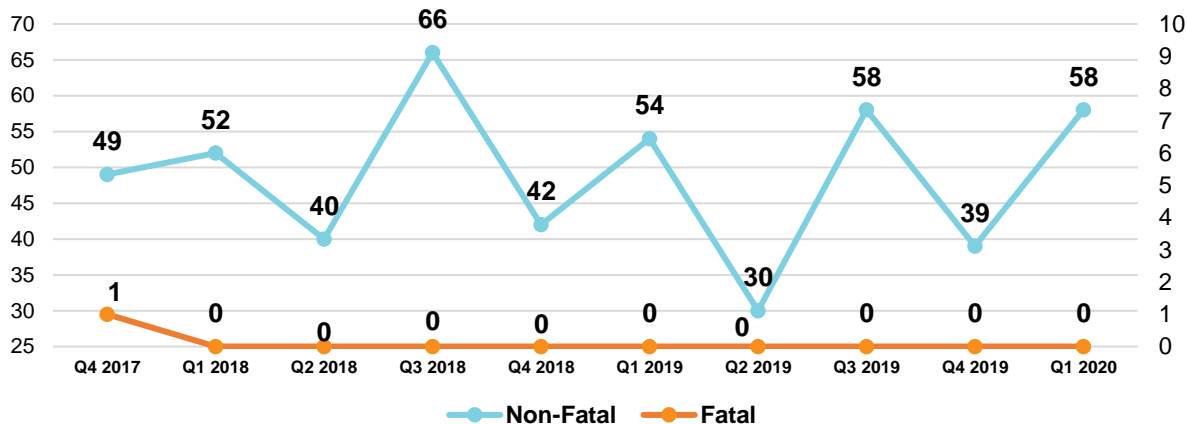
2. Rate is not presented when frequency is less than or equal to 10.

Region 2 Trend (by Quarter)

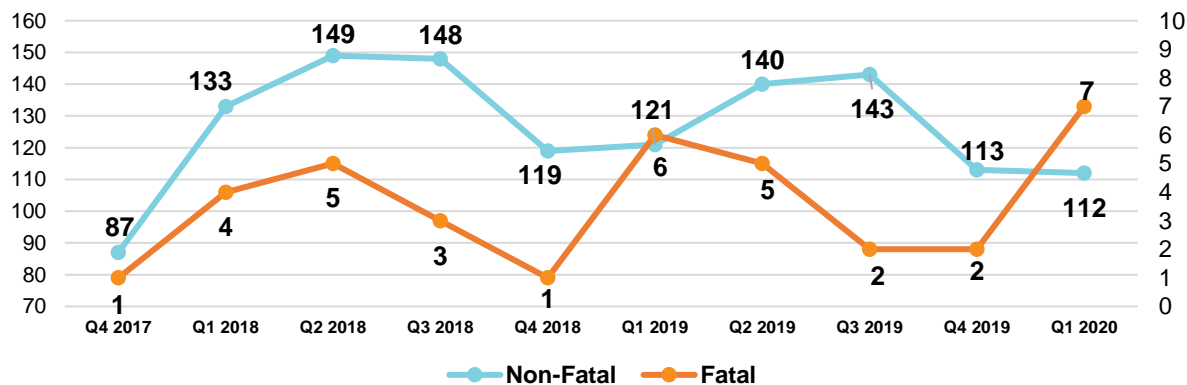
Total number of suspected drug overdose EMS responses



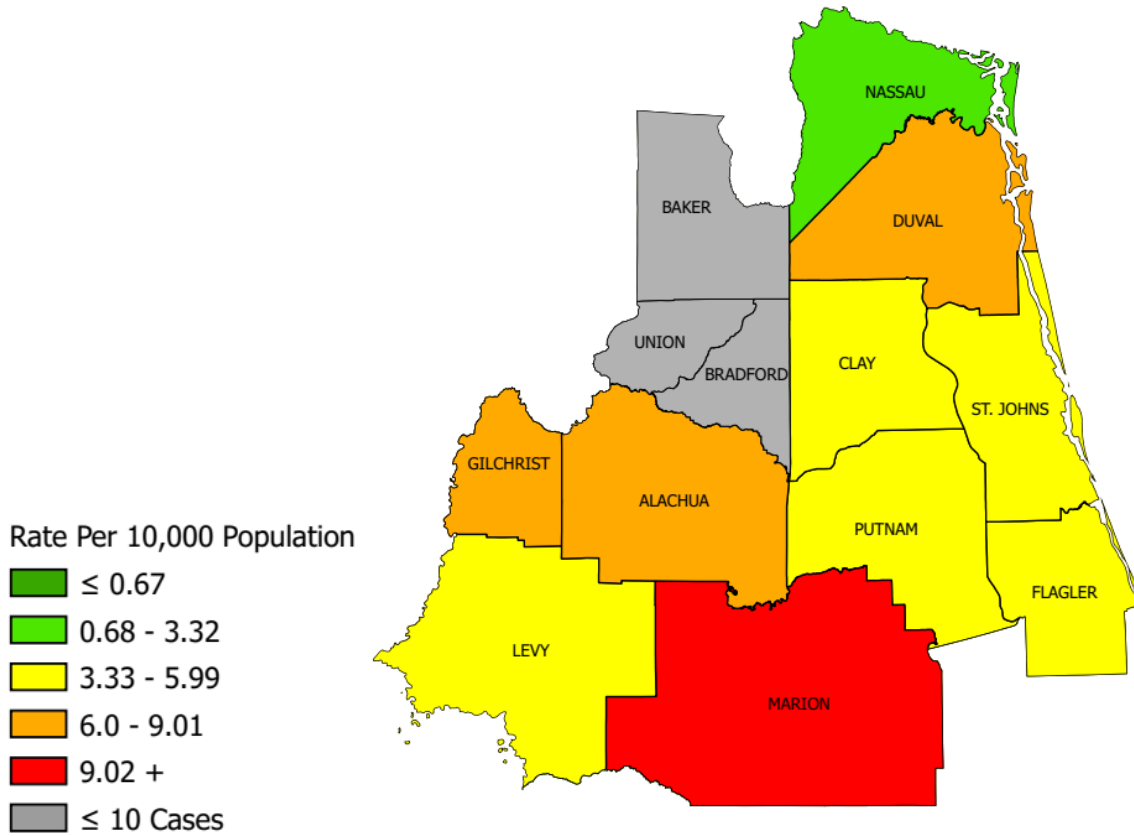
Total number of suspected opioid overdose EMS responses



EMS responses including administration of an opioid-antagonist



Region 3 (1st Quarter 2020)



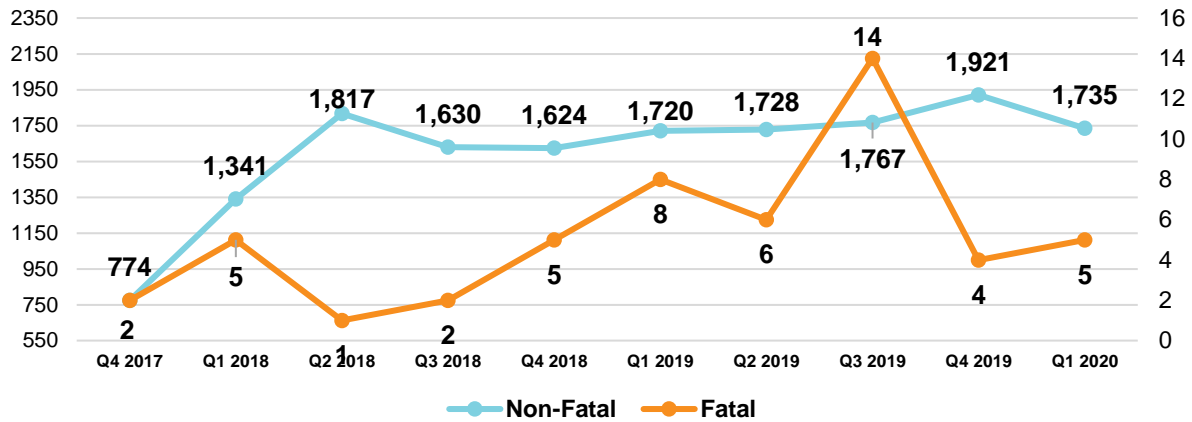
Geographic Area	Drug Overdose			Opioid Overdose			Opioid-Antagonist		
	Non-Fatal	Rate	Fatal	Non-Fatal	Rate	Fatal	Non-Fatal	Rate	Fatal
Alachua	184	6.85	.	30	1.12	.	67	2.49	1
Baker	7	.	.	3	.	.	15	5.30	.
Bradford	10	.	.	4	.	.	4	.	.
Clay	90	4.07	1	35	1.58	1	129	5.83	7
Duval	634	6.44	2	433	4.40	1	622	6.31	1
Flagler	63	5.57	.	20	1.77	.	37	3.27	.
Gilchrist	13	7.26	.	1	.	.	6	.	.
Levy	25	5.99	.	5	.	.	13	3.12	3
Marion	500	13.70	1	192	5.26	1	286	7.84	1
Nassau	21	2.42	.	8	.	.	55	6.33	1
Putnam	34	4.65	.	18	2.46	.	47	6.43	.
St. Johns	145	5.62	1	.	.	.	79	3.06	5
Union	9	.	.	2	.	.	2	.	.
Total	1,735	6.93	5	751	3.00	3	1,362	5.44	19

Note: 1. Population rate per 10,000 people.

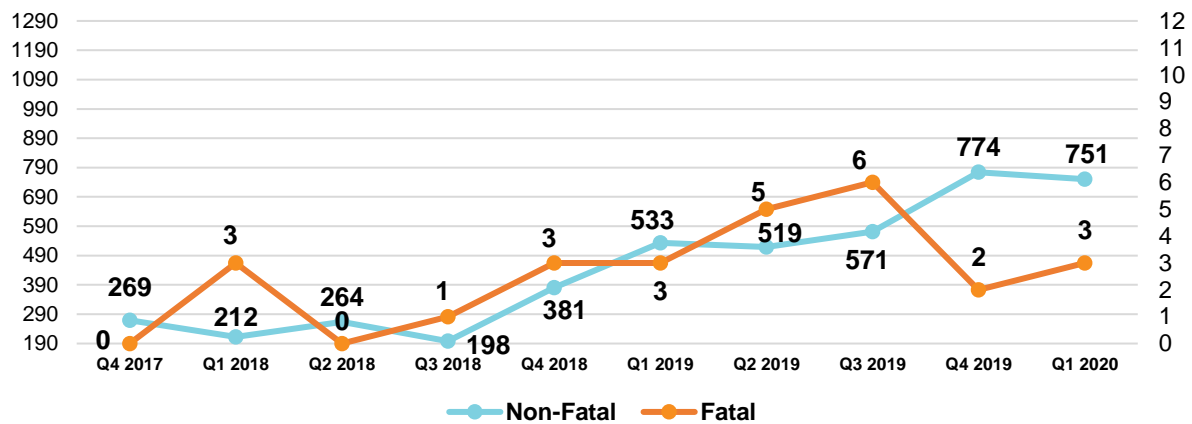
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Region 3 Trend (by Quarter)

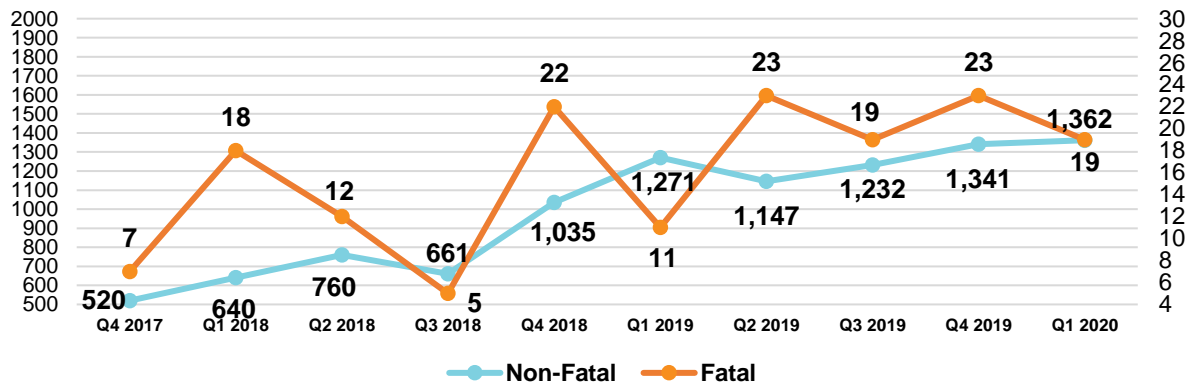
Total number of suspected drug overdose EMS responses



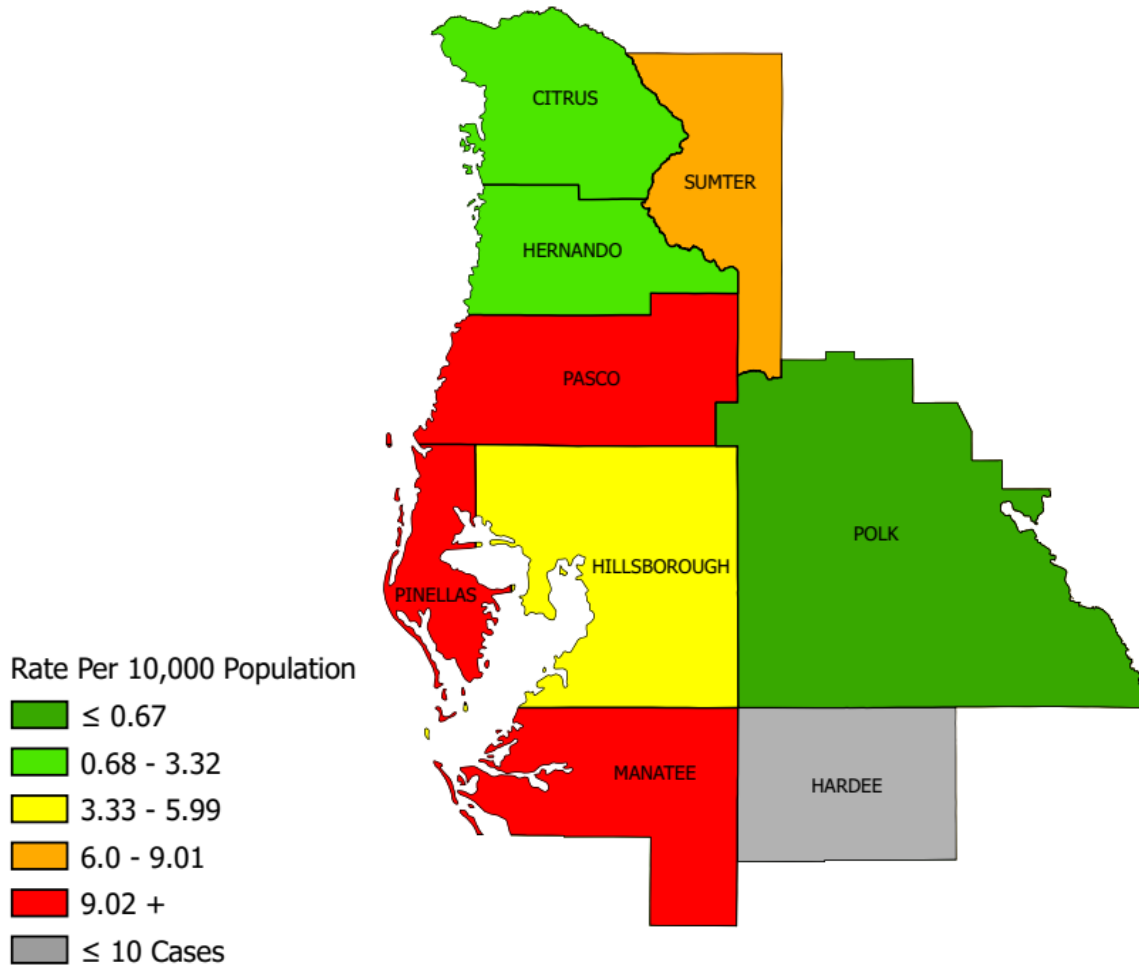
Total number of suspected opioid overdose EMS responses



EMS responses including administration of an opioid-antagonist



Region 4 (1st Quarter 2020)



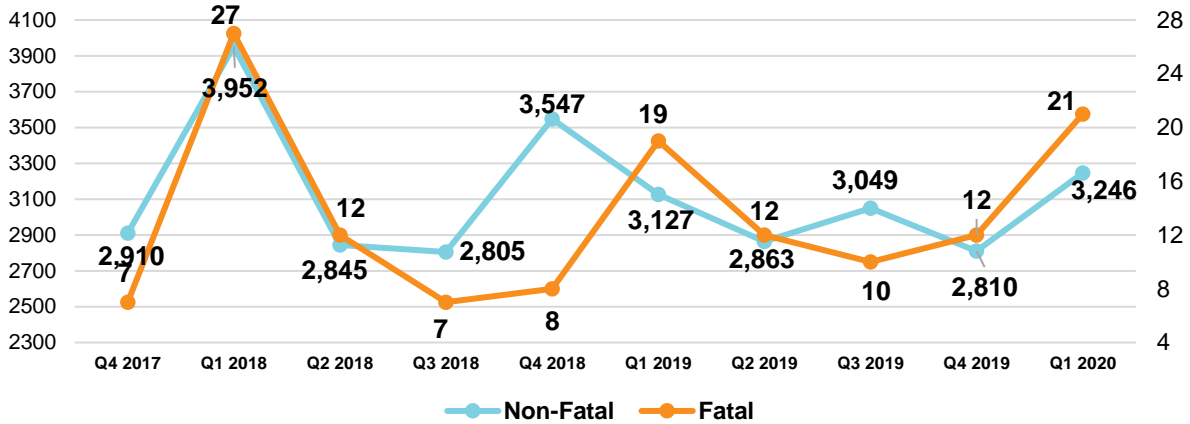
Geographic Area	Drug Overdose			Opioid Overdose			Opioid-Antagonist		
	Non-Fatal	Rate	Fatal	Non-Fatal	Rate	Fatal	Non-Fatal	Rate	Fatal
Citrus	41	2.75	.	.	.	.	34	2.28	.
Hardee	3	.	.	.	.	.	3	.	.
Hernando	49	2.55	1	17	0.88	1	65	3.38	1
Hillsborough	671	4.55	3	219	1.49	3	736	4.99	38
Manatee	430	10.82	4	219	5.51	3	275	6.92	16
Pasco	537	10.00	6	47	0.88	1	357	6.65	1
Pinellas	1,385	14.06	6	550	5.58	3	1,339	13.59	124
Polk	33	0.47	.	2	.	.	6	.	.
Sumter	97	7.19	1	20	1.48	.	54	4.00	4
Total	3,246	7.06	21	1,074	2.33	11	2,869	6.24	184

Note: 1. Population rate per 10,000 people.

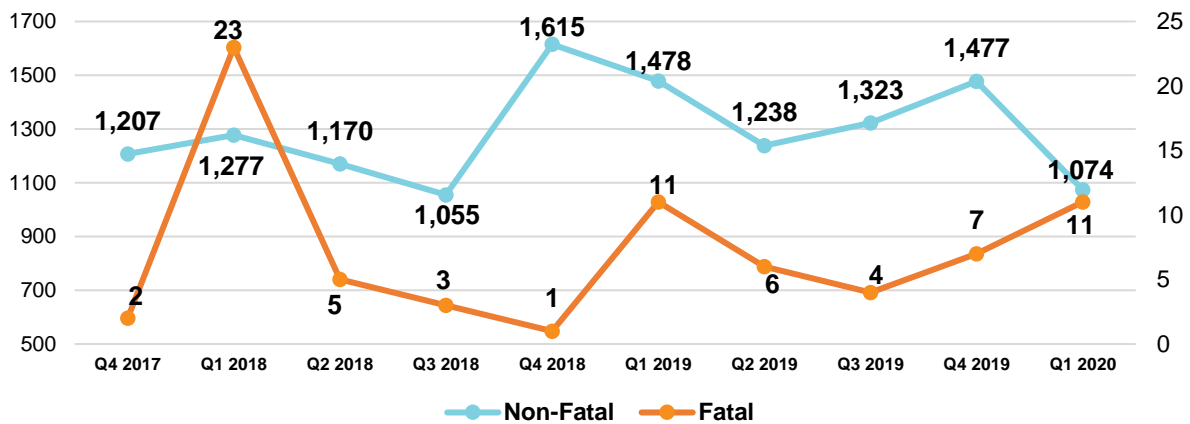
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Region 4 Trend (by Quarter)

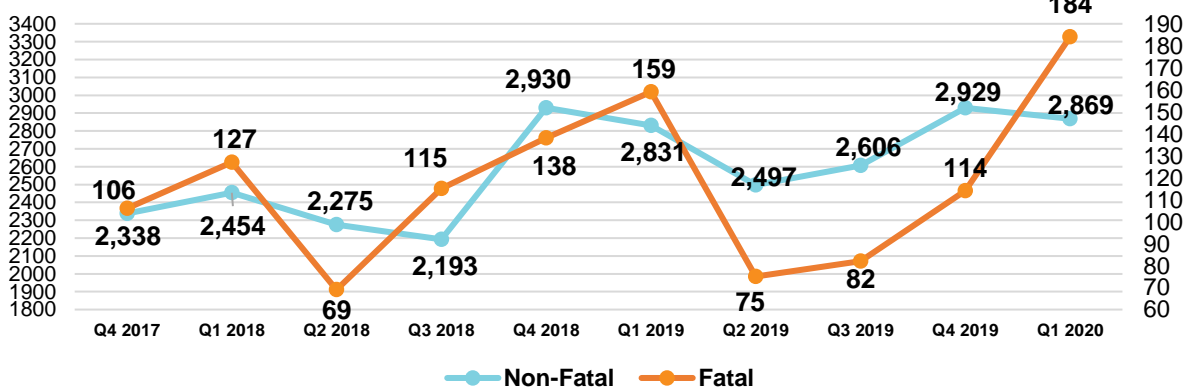
Total number of suspected drug overdose EMS responses



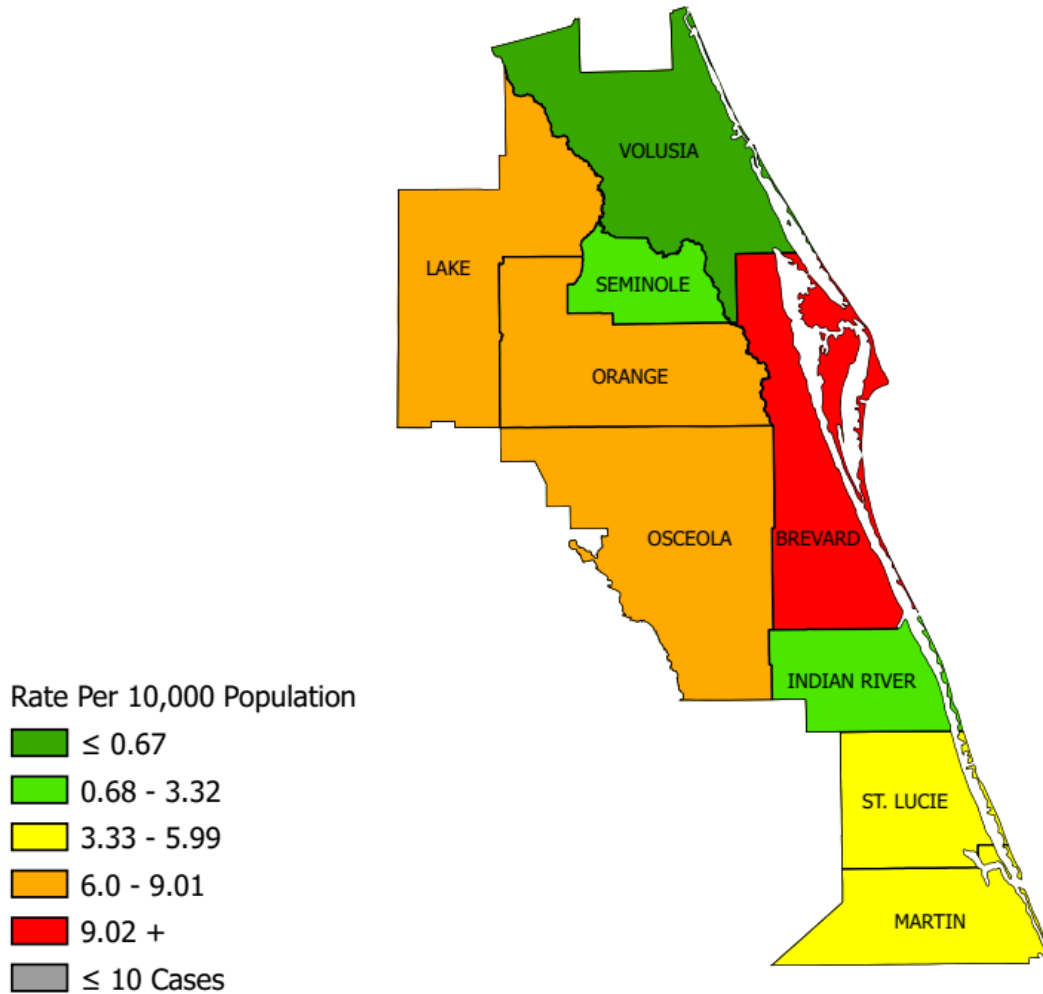
Total number of suspected opioid overdose EMS responses



EMS responses including administration of an opioid-antagonist



Region 5 (1st Quarter 2020)



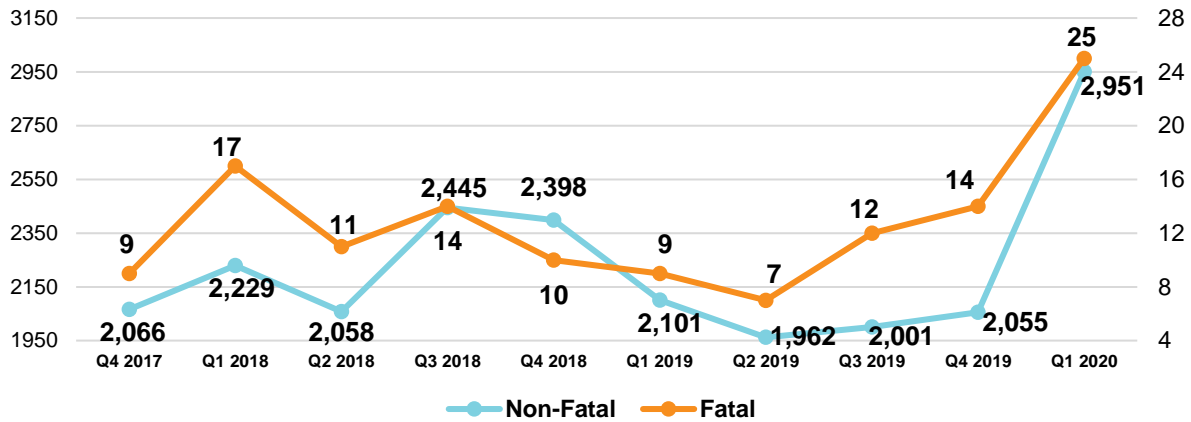
Geographic Area	Drug Overdose			Opioid Overdose			Opioid-Antagonist		
	Non-Fatal	Rate	Fatal	Non-Fatal	Rate	Fatal	Non-Fatal	Rate	Fatal
Brevard	768	12.80	.	357	5.95	.	615	10.25	12
Indian River	46	2.91	.	13	0.82	.	45	2.85	.
Lake	327	9.01	.	92	2.54	.	201	5.54	6
Martin	71	4.45	.	31	1.94	.	54	3.39	.
Orange	1,141	8.01	22	589	4.14	5	779	5.47	43
Osceola	277	7.20	1	97	2.52	1	158	4.11	3
Seminole	133	2.77	1	76	1.59	1	116	2.42	13
St. Lucie	152	4.83	.	23	0.73	.	77	2.45	.
Brevard	768	12.80	.	357	5.95	.	615	10.25	12
Total	2,951	6.66	25	1,284	2.90	7	2,059	4.65	78

Note: 1. Population rate per 10,000 people.

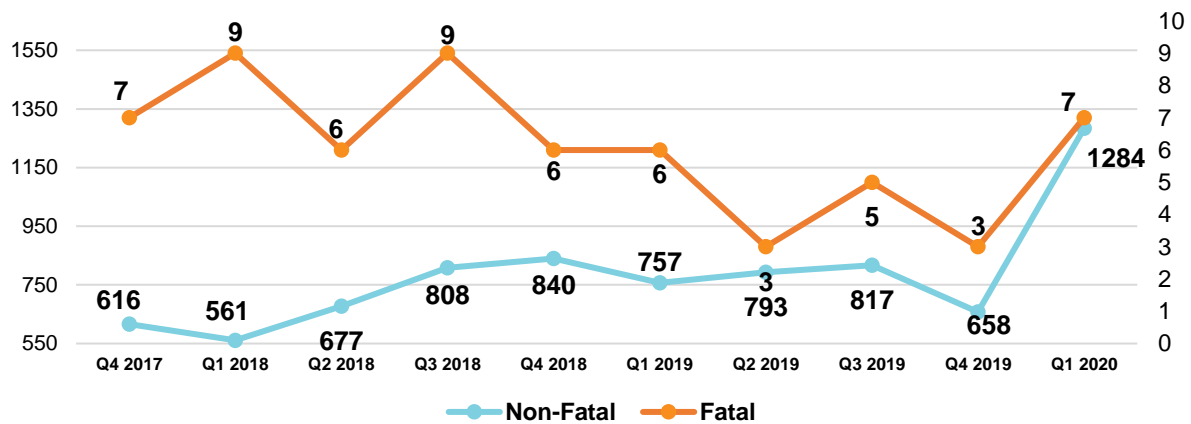
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Region 5 Trend (by Quarter)

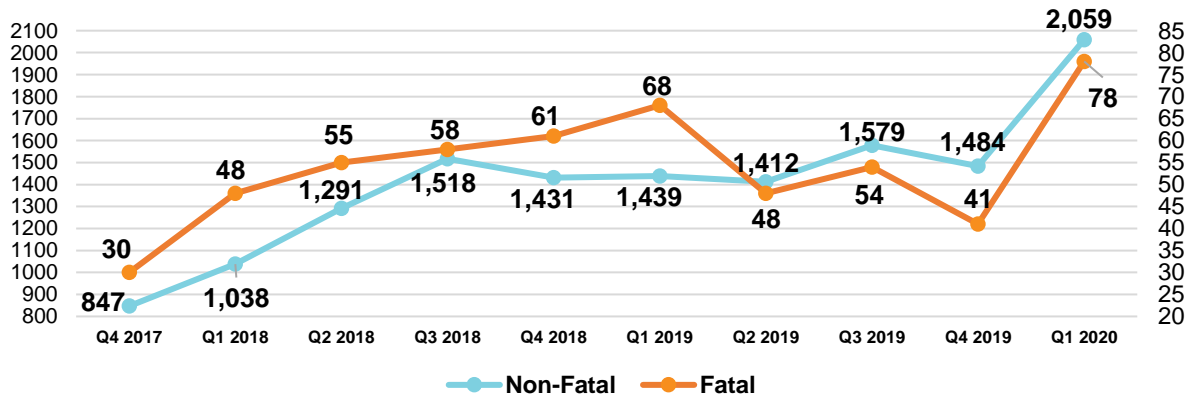
Total number of suspected drug overdose EMS responses



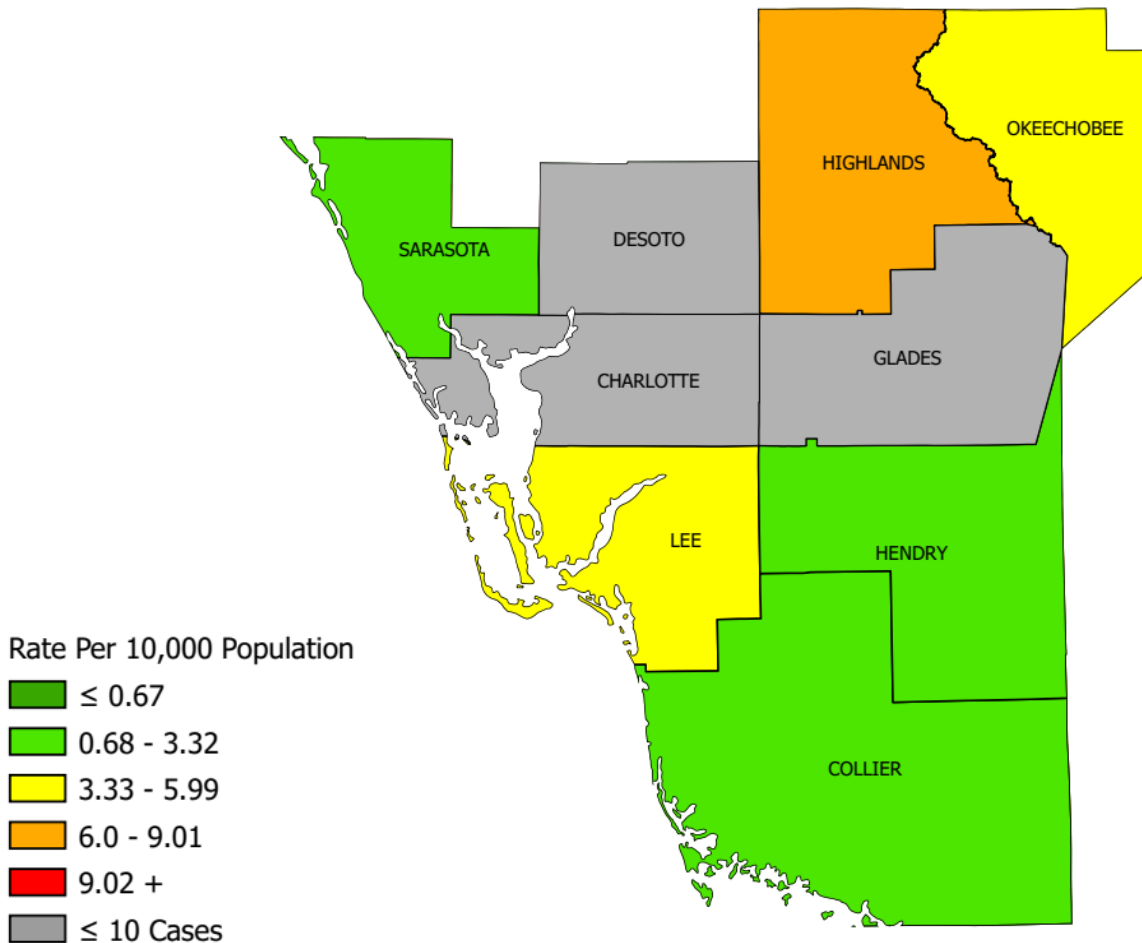
Total number of suspected opioid overdose EMS responses



EMS responses including administration of an opioid-antagonist



Region 6 (1st Quarter 2020)



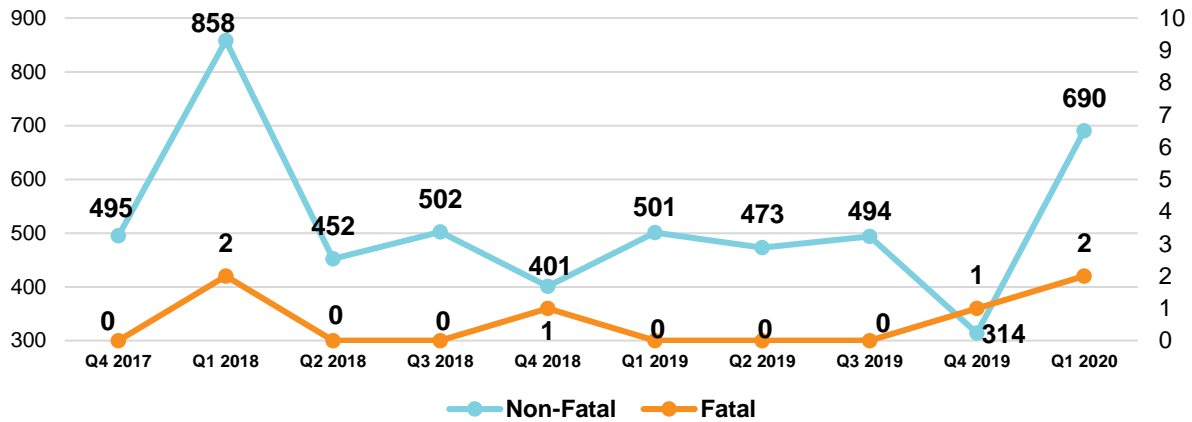
Geographic Area	Drug Overdose			Opioid Overdose			Opioid-Antagonist		
	Non-Fatal	Rate	Fatal	Non-Fatal	Rate	Fatal	Non-Fatal	Rate	Fatal
Charlotte	2	.	.	.	.	.	43	2.33	4
Collier	127	3.30	1	114	2.96	1	87	2.26	1
Desoto	1	.	.	.	.	.	15	4.16	.
Glades	2	.	.	.	.	.	1	.	.
Hendry	11	2.72	.	5	.	.	16	3.96	4
Highlands	64	6.14	.	17	1.63	.	47	4.51	1
Lee	402	5.35	1	33	0.44	.	205	2.73	.
Okeechobee	17	4.09	.	8	.	.	2	.	.
Sarasota	64	1.48	.	15	0.35	.	157	3.63	7
Total	690	3.47	2	192	0.97	1	573	2.88	17

Note: 1. Population rate per 10,000 people.

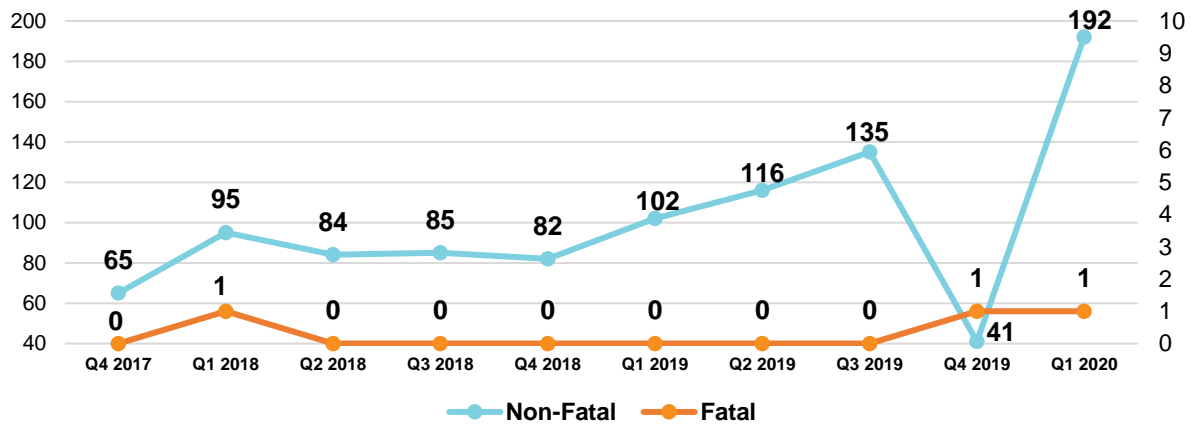
2. Rate is not presented when frequency is less than or equal to 10

Region 6 Trend (by Quarter)

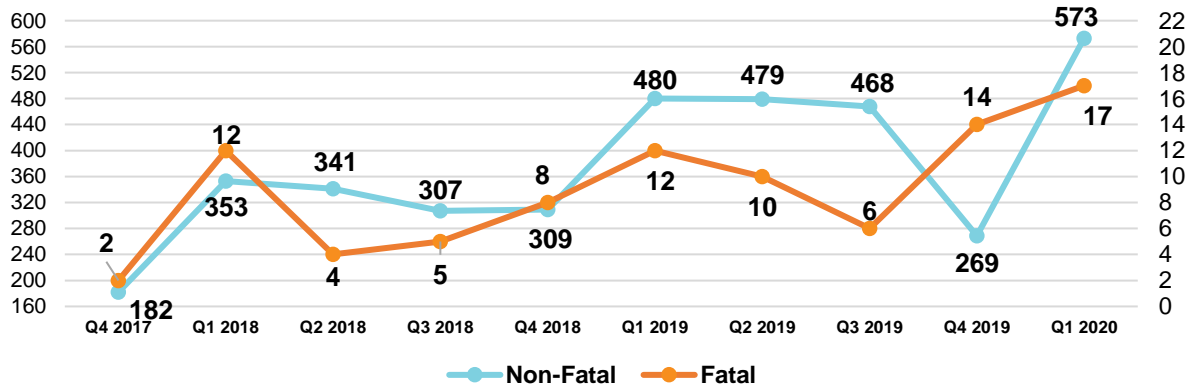
Total number of suspected drug overdose EMS responses



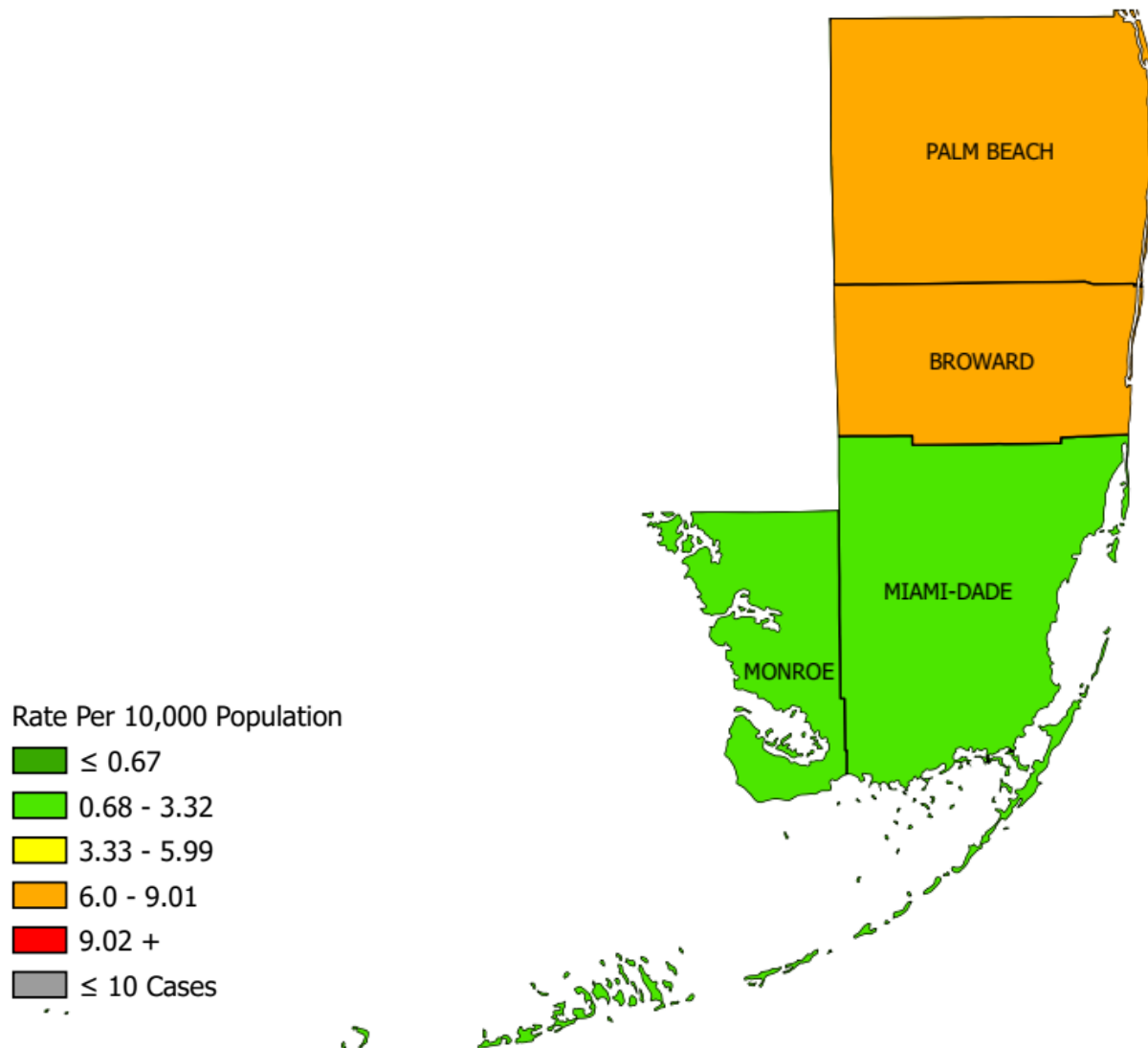
Total number of suspected opioid overdose EMS responses



EMS responses including administration of an opioid-antagonist



Region 7 (1st Quarter 2020)



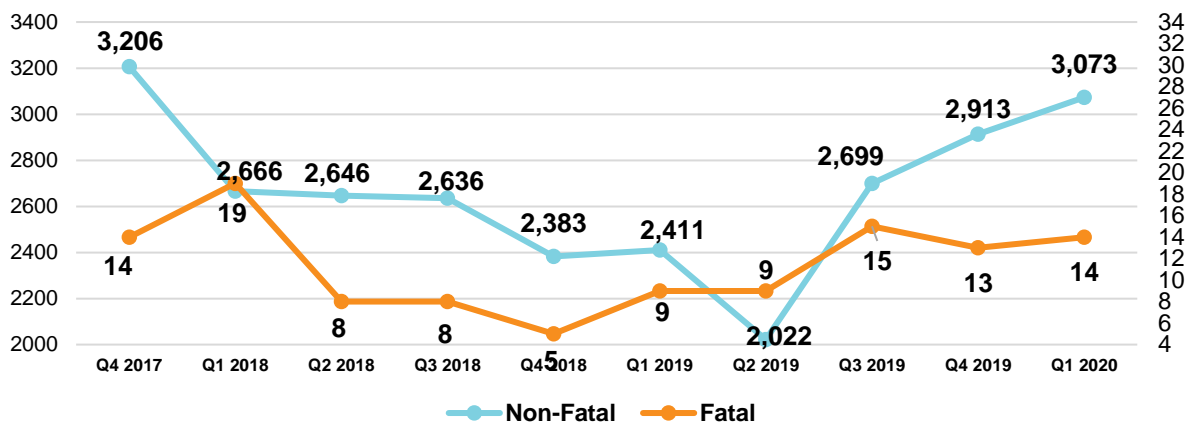
Geographic Area	Drug Overdose			Opioid Overdose			Opioid-Antagonist		
	Non-Fatal	Rate	Fatal	Non-Fatal	Rate	Fatal	Non-Fatal	Rate	Fatal
Broward	1,210	6.21	9	479	2.46	6	828	4.25	6
Miami-Dade	795	2.77	2	90	0.31	.	542	1.89	9
Monroe	21	2.83	.	6	.	.	32	4.31	.
Palm Beach	1,047	7.08	3	723	4.89	3	530	3.58	2
Total	3,073	4.82	14	1,298	2.04	9	1,932	3.03	17

Note: 1. Population rate per 10,000 people.

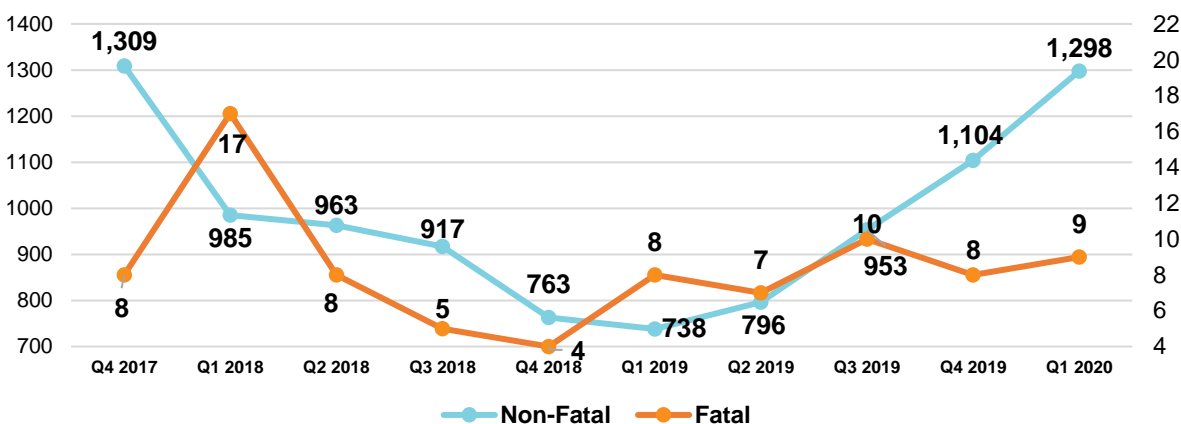
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Region 7 Trend (by Quarter)

Total number of suspected drug overdose EMS responses



Total number of suspected opioid overdose EMS responses



EMS responses including administration of an opioid-antagonist

