



New Hampshire Drug Monitoring Initiative

New Hampshire Information & Analysis Center

Phone: (603) 223.3859

NH.IAC@dos.nh.gov

Fax: (603) 271.0303



NHIAC Product #: 2020-

2019 Overview Report

18 September 2020

Purpose: The NH Drug Monitoring Initiative (DMI) is a holistic strategy to provide awareness and combat drug distribution and abuse. In line with this approach the DMI will obtain data from various sources (to include, but not limited to, Public Health, Law Enforcement, and EMS) and provide monthly products for stakeholders as well as situational awareness releases as needed.

2019 Overview—Drug Environment Report—UNCLASSIFIED

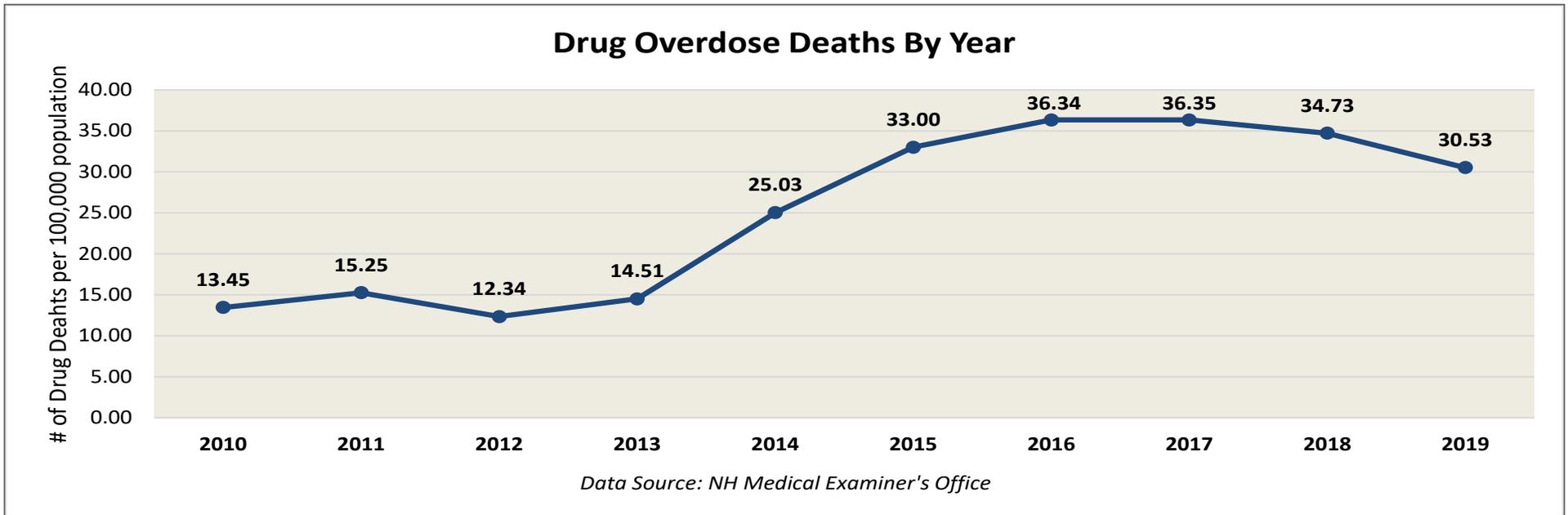
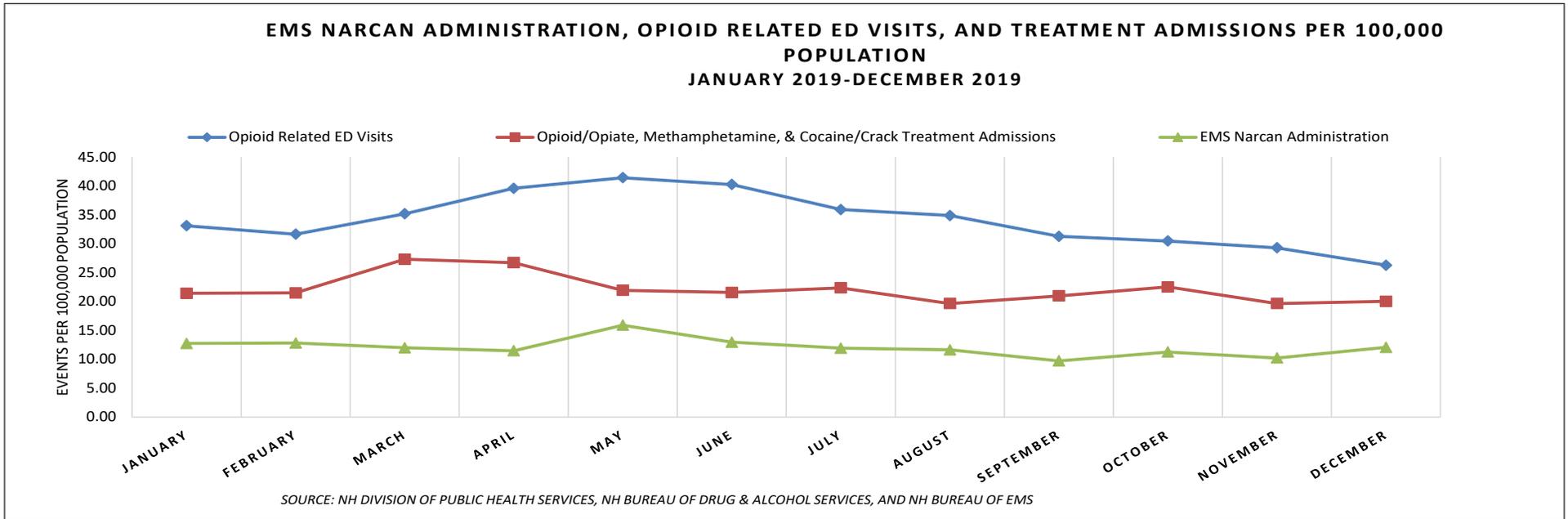
Table of Contents:

<u>Section Title</u>	<u>Page #</u>
Overview	2
Drug Overdose Deaths <i>Source: NH Medical Examiner's Office</i>	3
EMS Narcan Administration <i>Source: NH Bureau of Emergency Medical Services (EMS)</i>	7
Opioid Related Emergency Department Visits <i>Source: NH Division of Public Health Services</i>	10
Treatment Admissions <i>Source: NH Bureau of Drug & Alcohol Services</i>	12

***The monthly online DMI viewer can be found at:** <https://nhvieww.nh.gov/IAC/DMI/>

- ⇒ Population data source: <http://www.nh.gov/oep/data-center/population-estimates.htm>
 - Year/month overview charts are based on annual estimates from the above website.
 - County charts are based on a 2018 estimated population of each county.
- ⇒ If your agency is looking for further breakdowns than what is in this document please contact the NHIAC.

Overview: Trends for EMS Naloxone Incidents, Opioid Related ED Visits, Treatment Admissions, and Overdose Deaths:



Drug Overdose Deaths (Continued):

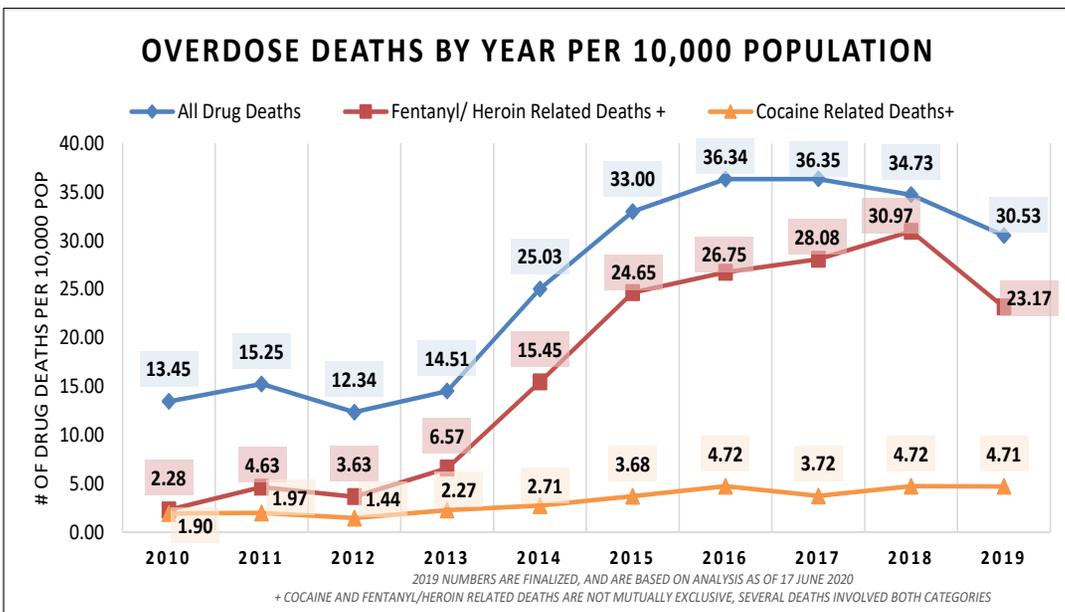
Data Source: NH Medical Examiner's Office

Trends:

- There were 415 confirmed drug overdose deaths in 2019.
- Drug overdose deaths decreased from 471 to 415 from 2018-2019. This represents a 12% decrease.
- In 2019, Strafford County had the highest suspected drug use resulting in overdose deaths per capita at 4.11 deaths per 10,000 population, while Hillsborough County was second, with 3.70 deaths per 10,000 population.
- Grafton and Strafford Counties experienced an increase in overdose deaths with a 30% and 6% increase, respectively.
- Belknap and Cheshire County experienced a 28% and 34% decrease in their suspected drug overdose death rate per 10,000 population, respectively.
- In 2019 the age group with the largest number of drug overdose deaths was 30-39 year olds, at 32%.

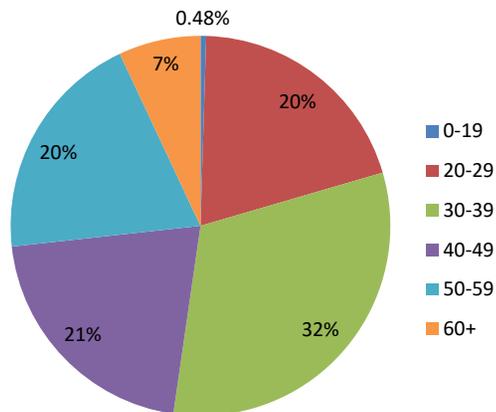
***** IMPORTANT DATA NOTES *****

- Drug overdose deaths for 2019 numbers are finalized and are based on analysis as of 17 June 2020.
- Analysis is based on county where the drug(s) is suspected to have been used.



Overdose Deaths by Age 2019

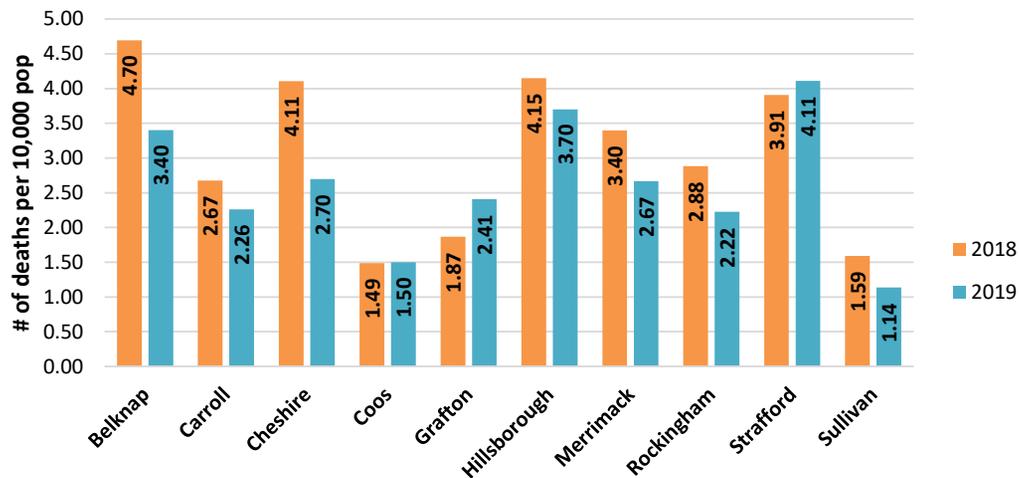
Data Source: NH Medical Examiner's Office



2019 numbers are finalized, and based on analysis as of 17 June 2020

2018 vs. 2019 Overdose Deaths by County per 10,000 Population

Data Source NH Medical Examiner's Office

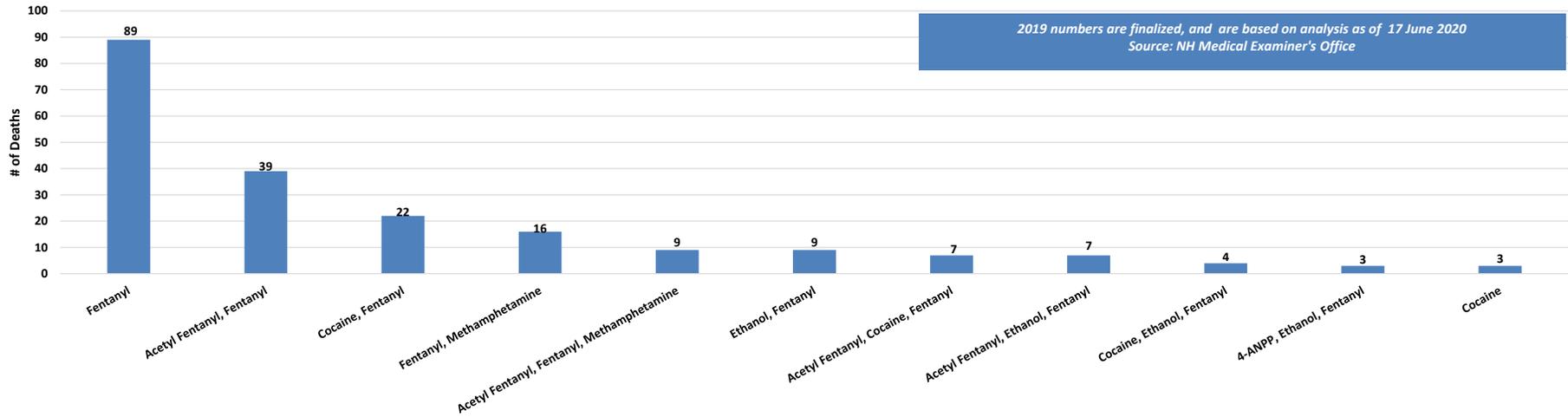


2019 numbers are finalized and are based on analysis as of 17 June 2020

Drug Overdose Deaths (Continued):

Data Source: NH Medical Examiner's Office

Cocaine and/or Fentanyl Combination Related Drug Deaths 2019



2019 numbers are finalized, and are based on analysis as of 17 June 2020
Source: NH Medical Examiner's Office

Cocaine and/or Fentanyl Combination Related Drug Deaths that were noted once or twice*

Acetyl Fentanyl, Cocaine, Fentanyl, Methamphetamine	4-ANPP, Fentanyl, Trazodone, Zolpidem	Acetyl Fentanyl, Clonazepam, Fentanyl	Acetyl Fentanyl, Fentanyl, Valeryl Fentanyl	Amphetamines, Ethanol, Fentanyl	Clonazepam, Ethanol, Fentanyl, Gabapentin, Trazodone	Cocaine, Fentanyl, Methadone	Ethanol, Fentanyl, Heroin, Methadone
Cocaine, Diazepam, Fentanyl	Acetyl Fentanyl, Alcohol, Cocaine, Fentanyl	Acetyl Fentanyl, Clonazepam, Fentanyl, Hydroxyzine, Mirtazapine, Nordiazepam, Risperidone, Trazodone	Alcohol, Diphenhydramine, Fentanyl	Buprenorphine, Fentanyl	Clonazepam, Fentanyl, Gabapentin, Hydroxyzine, Venlafaxine, Zolpidem	Cocaine, Fentanyl, Mitragynine	Ethanol, Fentanyl, Hydroxyzine
Cocaine, Fentanyl, Methamphetamine	Acetyl Fentanyl, Alprazolam, Amphetamines, Clonazepam, Cocaine, Diazepam, Fentanyl, Methadone	Acetyl Fentanyl, Cocaine, Ethanol, Fentanyl	Alprazolam, Amphetamines, Cocaine, Fentanyl	Carfentanil, Ethanol, Fentanyl, Gabapentin, Methamphetamine	Clonazepam, Fentanyl, Morphine	Cyclobenzaprine, Diazepam, Ethanol, Fentanyl	Ethanol, Fentanyl, Oxycodone
Diazepam, Fentanyl, Methamphetamine	Acetyl Fentanyl, Alprazolam, Clonazepam, Fentanyl, Methamphetamine	Acetyl Fentanyl, Diazepam, Ethanol, Fentanyl, Heroin, Oxycodone	Alprazolam, Amphetamines, Fentanyl, Oxycodone	Chlorpheniramine, Cocaine, Dextro/levomethorphan, Ethanol, Fentanyl, pseudoephedrine, Tramadol	Cocaine, Ethanol	Cyclobenzaprine, Ethanol, Fentanyl, Hydroxyzine	Fentanyl, Gabapentin
Ethanol, Fentanyl, Methamphetamine	Acetyl Fentanyl, Alprazolam, Cocaine, Cyclobenzaprine, Diphenhydramine, Fentanyl	Acetyl Fentanyl, Ethanol, Fentanyl, Oxycodone	Alprazolam, Cocaine, Fentanyl	Citalopram/escitalopram, Clonazepam, Cocaine, Ethanol, Fentanyl	Cocaine, Ethanol, Fentanyl, Methamphetamine	Cyclobenzaprine, Fentanyl, Gabapentin, Trazodone	Fentanyl, Heroin
4-ANPP, Acetyl Fentanyl, Ethanol, Fentanyl	Acetyl Fentanyl, Alprazolam, Cocaine, Ethanol, Fentanyl	Acetyl Fentanyl, Fentanyl, Gabapentin, Sertraline	Alprazolam, Diphenhydramine, Fentanyl	Clonazepam, Cocaine, Codeine, Fentanyl, Morphine	Cocaine, Fentanyl, Gabapentin	Diazepam, Ethanol, Fentanyl	Ethanol, Fentanyl, Heroin
4-ANPP, Acetyl Fentanyl, Fentanyl	Acetyl Fentanyl, Alprazolam, Fentanyl, Gabapentin, Topiramate, Trazodone	Acetyl Fentanyl, Fentanyl, Methadone	Alprazolam, Fentanyl	Clonazepam, Cocaine, Fentanyl	Cocaine, Fentanyl, Heroin	Diazepam, Fentanyl	Fentanyl, Methadone, Zolpidem
4-ANPP, Acetyl Fentanyl, Fentanyl, Valeryl Fentanyl	Acetyl Fentanyl, Amphetamines, Cocaine, Fentanyl	Acetyl Fentanyl, Fentanyl, Oxycodone	Amphetamines, Cocaine, Fentanyl	Clonazepam, Diazepam, Fentanyl	Cocaine, Fentanyl, Meprobamate	Ethanol, Fentanyl, Heroin	Fentanyl, Methamphetamine, Venlafaxine

*Cells filled with gray indicate combinations noted twice

Fentanyl, Oxycodone

Drug Overdose Deaths (Continued):

Data Source: NH Medical Examiner's Office

2019 numbers are finalized, and are based on analysis as of 17 June 2020.

	2013	2014	2015	2016	2017	2018	January	February	March	April	May	June	July	August	September	October	November	December	2019
Total	192	332	439	485	488	471	32	40	40	32	35	31	25	28	39	36	28	49	415
County																			
Belknap	8	17	17	16	27	29	1	0	2	3	1	1	2	1	5	2	1	2	21
Carroll	4	9	22	16	12	13	0	2	0	0	2	1	0	0	0	2	1	3	11
Cheshire	14	17	11	20	17	32	4	1	0	1	3	0	1	2	2	3	2	2	21
Coos	6	9	14	10	12	5	0	1	0	0	1	1	0	1	1	0	0	0	5
Grafton	13	17	13	16	26	17	2	0	6	1	0	0	1	3	2	1	1	5	22
Hillsborough	68	106	178	199	195	171	11	14	15	11	14	14	7	14	18	12	9	14	153
Merrimack	17	40	39	43	43	51	5	6	4	1	3	3	5	1	4	6	2	0	40
Rockingham	34	64	89	90	97	89	4	9	8	5	4	7	4	4	3	8	6	7	69
Strafford	25	40	47	55	54	50	4	6	3	5	6	3	5	1	3	2	3	12	53
Sullivan	4	4	8	9	4	7	0	0	2	2	0	1	0	0	0	0	0	0	5
Out of State	0	3	0	2	0	6	0	0	0	0	0	0	0	0	0	0	1	0	1
Undetermined	0	0	0	9	1	1	1	1	0	3	1	0	0	1	1	0	2	4	14
Gender																			
Male	132	219	307	336	347	328	24	30	31	22	25	21	15	23	24	23	21	29	288
Female	61	107	131	149	141	143	8	10	8	10	10	10	9	5	15	13	7	20	125
Age																			
0-19	3	3	8	7	2	4	1	0	0	0	0	0	0	1	0	0	0	0	2
20-29	40	79	110	123	118	88	9	6	12	5	3	9	4	4	9	8	5	9	83
30-39	32	80	116	147	127	146	8	15	13	8	14	6	10	10	13	12	7	16	132
40-49	52	67	99	98	114	114	9	7	9	9	6	6	6	5	8	6	4	12	87
50-59	51	78	91	89	98	83	1	10	3	7	10	7	5	6	4	10	9	10	82
60+	15	19	14	21	29	36	4	2	3	3	2	3	0	2	5	0	3	2	29

Overdose Deaths by Town* - 2019 + (Data Source: NH Medical Examiner's Office)

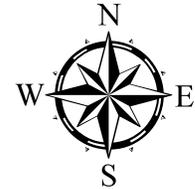
*Location where the drug(s) is suspected to have been used.

+2019 data was reported on June 17, 2020
2019 data is finalized.

0 CASES PENDING
14 Cases have an unknown location



Prepared by:
NH Information & Analysis Center



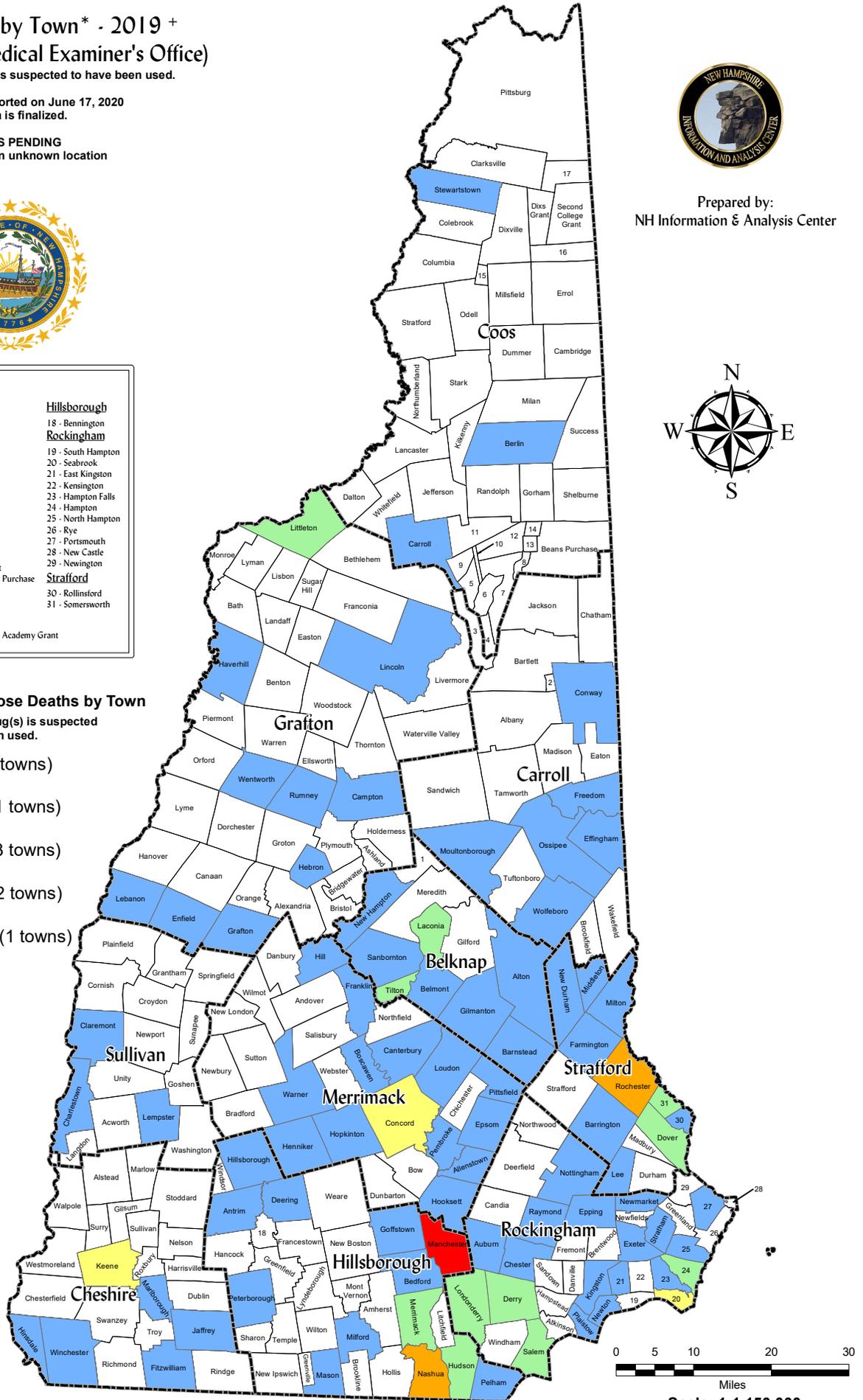
INDEX

Belknap	Hillsborough
1 - Center Harbor	18 - Bennington
Carroll	Rockingham
2 - Hales Location	19 - South Hampton
3 - Harts Location	20 - Seabrook
Coos	21 - East Kingston
4 - Hadleys Purchase	22 - Kensington
5 - Beans Grant	23 - Hampton Falls
6 - Cutts Grant	24 - Hampton
7 - Sargents Purchase	25 - North Hampton
8 - Pinkhams Grant	26 - Rye
9 - Crawford's Purchase	27 - Portsmouth
10 - Chandlers Purchase	28 - New Castle
11 - Low & Burbanks Grant	29 - Newington
12 - Thompson & Meserves Purchase	Strafford
13 - Greens Grant	30 - Rollinsford
14 - Martins Location	31 - Somersworth
15 - Ervings Grant	
16 - Wentworth Location	
17 - Atkinson & Gilmanton Academy Grant	

Number of Overdose Deaths by Town

*Location where the drug(s) is suspected to have been used.

- 1 - 4 (76 towns)
- 5 - 10 (11 towns)
- 11 - 25 (3 towns)
- 26 - 50 (2 towns)
- 51 - 100 (1 towns)



EMS Narcan Administration:

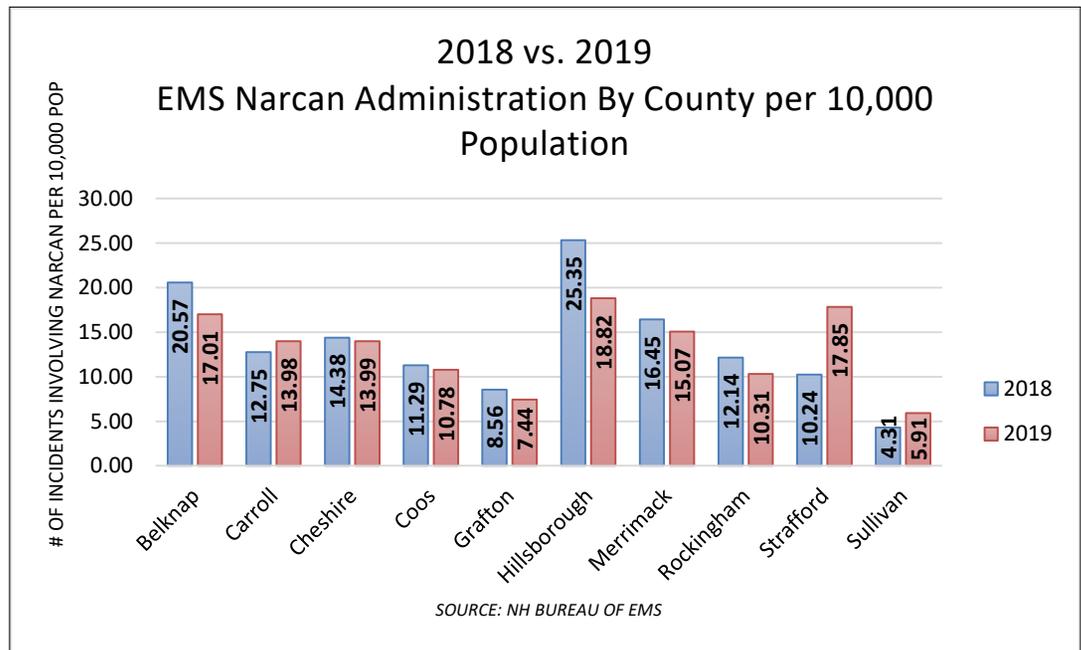
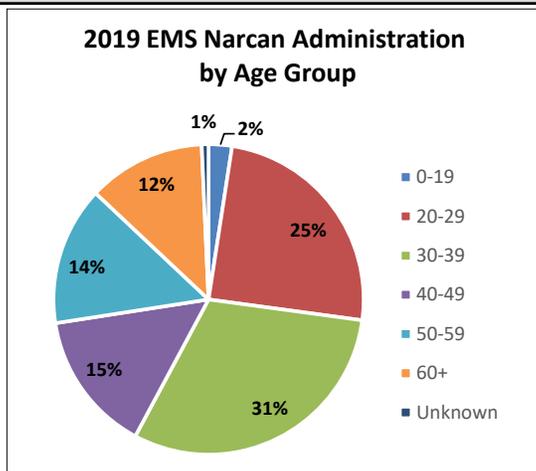
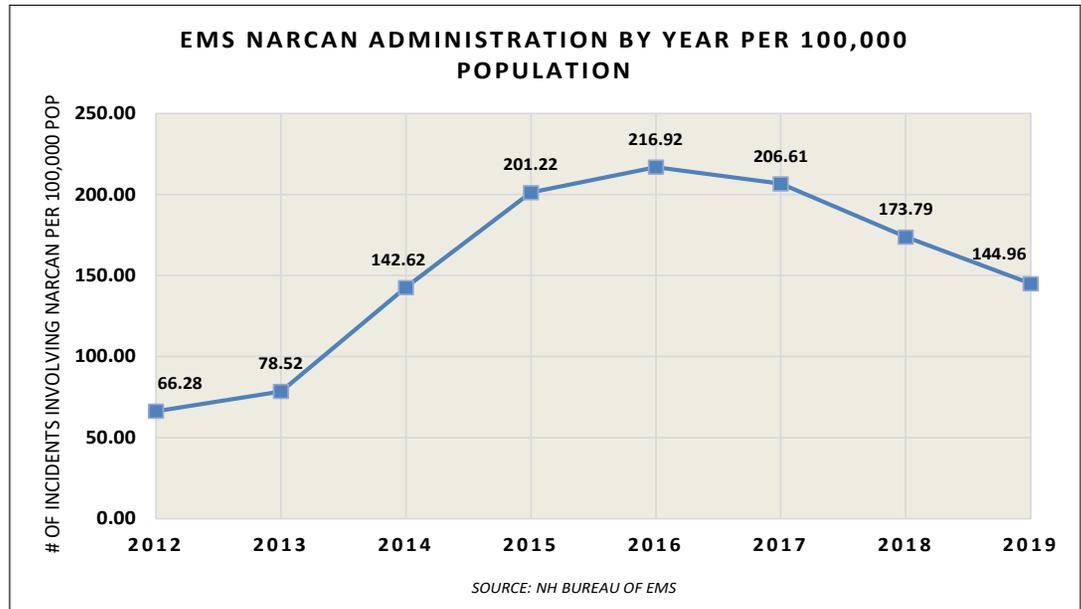
Data Source: NH Bureau of Emergency Medical Services (EMS)

Trends:

- EMS Narcan administration incidents decreased by 17% from 2018 to 2019.
- 2019 was the first year EMS Narcan administration was under 2,000 incidents since 2014.
- In 2019, Hillsborough County had the most EMS Narcan administration incidents per capita with 18.82 incidents per 10,000 population and had the greatest decrease in incidents from 2018 to 2019, with a 26% reduction.
- Strafford County had the largest increase in EMS Narcan Administration from 2018 to 2019 with a 76% increase from 10.24 to 17.85 incidents per 10,000 population.
- The age group with the largest number of EMS Narcan administration incidents was 30-39, which represented 31% of all incidents for 2019.

***** IMPORTANT DATA NOTES *****

- Narcan data in this report involves the number of incidents where Narcan was administered, NOT the number of doses of Narcan during a certain time period. Multiple doses may be administered during an incident.
- Narcan may be given for a decrease in alertness or respirations due to an overdose or unknown cause. Therefore, it cannot be concluded that all reported Narcan incidents actually involved drugs.



EMS Narcan Administration (Continued):

Data Source: NH Bureau of Emergency Medical Services (EMS)

	2014	2015	2016	2017	2018	January	February	March	April	May	June	July	August	September	October	November	December	2019
Total	1,892	2,677	2,895	2,774	2,357	173	174	163	155	216	176	160	158	131	151	138	164	1,959
County																		
Belknap	59	113	116	215	127	16	5	9	5	5	11	8	12	10	8	6	10	105
Carroll	52	80	91	68	62	9	3	4	5	10	5	5	3	5	8	2	9	68
Cheshire	65	79	144	104	112	13	9	3	8	15	9	5	11	13	10	8	5	109
Coos	41	65	65	73	38	4	3	2	5	2	6	2	1	1	3	4	2	35
Grafton	56	57	66	84	78	7	3	6	4	6	7	5	8	5	5	4	7	67
Hillsborough	757	1,139	1,209	1,140	1,044	65	85	82	70	81	71	67	50	45	54	52	51	773
Merrimack	185	228	233	310	247	12	9	14	14	23	18	27	26	18	24	22	19	226
Rockingham	380	501	488	503	375	32	20	31	33	29	26	29	32	17	28	17	26	320
Strafford	286	380	449	242	255	14	31	10	9	43	19	10	13	15	10	22	34	230
Sullivan	11	35	34	35	19	1	6	2	2	2	4	2	2	2	1	1	1	26
Gender																		
Male	1,185	1,736	1,916	1,879	1,503	107	112	110	108	158	125	102	114	92	103	103	106	1,340
Female	706	938	979	887	730	66	61	53	47	58	51	58	44	38	48	34	58	616
Age																		
0-19	83	94	87	75	40	5	5	5	2	9	3	3	3	4	2	4	3	48
20-29	588	954	973	863	590	41	49	42	41	55	44	30	38	29	42	38	36	485
30-39	428	684	853	808	709	59	47	62	41	60	55	57	55	42	48	32	47	605
40-49	304	364	385	439	342	22	28	20	29	32	24	23	18	20	17	26	24	283
50-59	233	314	327	326	306	25	22	18	20	31	33	21	26	13	26	23	26	284
60+	246	256	253	246	237	19	21	16	22	29	15	25	18	21	14	13	27	240
Age or Gender Not Given	10	11	17	20	10	2	2	0	0	0	2	1	0	2	2	2	1	14

EMS/Narcarn Administration by Town 1/1/2019 - 12/31/2019

Data Source: New Hampshire Bureau of EMS

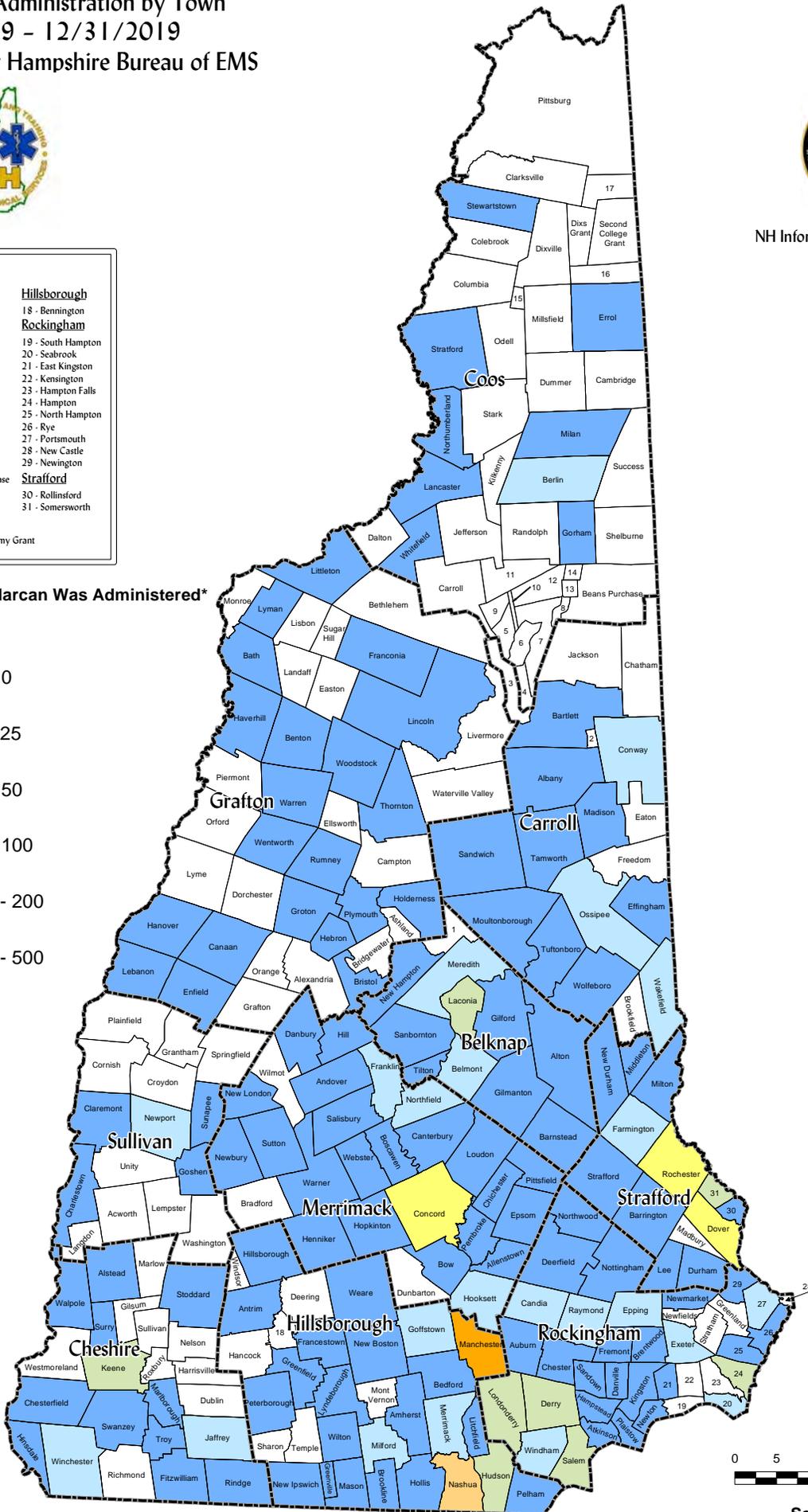
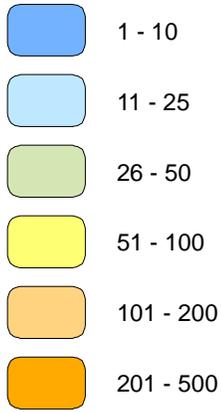


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Incidents Where Narcan Was Administered



Scale: 1:1,150,000

Opioid Related Emergency Department Visits:

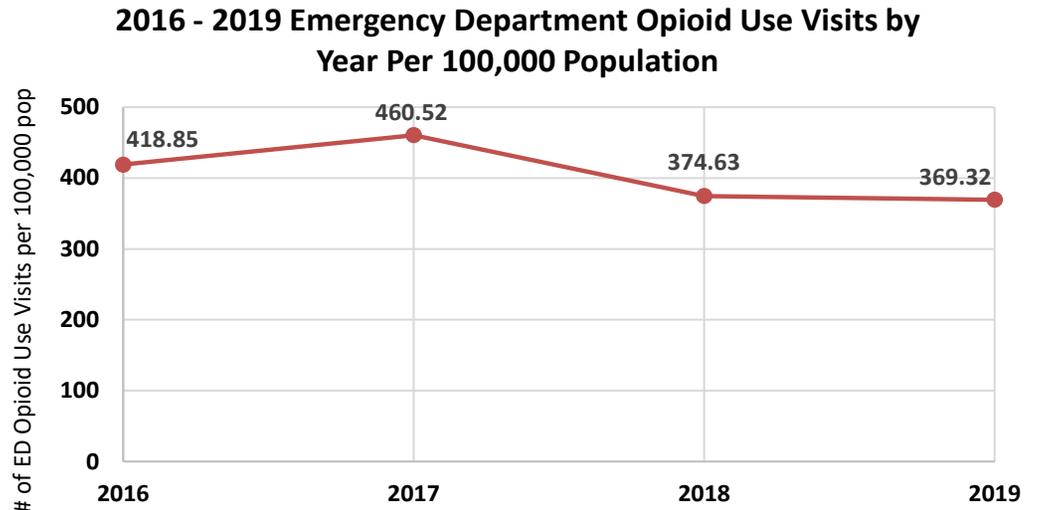
Data Source: NH Division of Public Health Services

Trends:

- Opioid related ED visits decreased by 1% from 2018 to 2019.
- For the fourth year in a row, residents from Strafford County had the most opioid related ED visits per capita with 74.65 visits per 10,000 population in 2019.
- Based on absolute numbers, residents from Hillsborough County had the most opioid related ED visits with 1,884 visits in 2019.
- In 2019, the age group with the largest number of opioid related ED visits was 30-39 which represented 37% of all opioid related ED visits for 2019, followed by 20-29 with 31%.

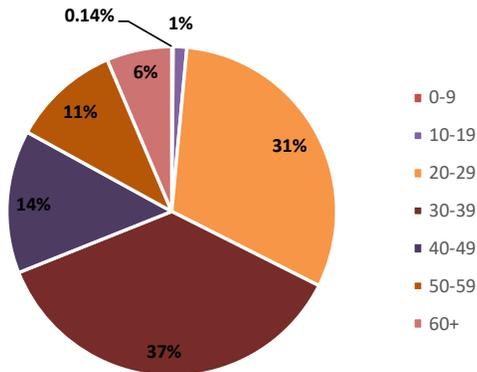
***** IMPORTANT DATA NOTES*****

- County represents where the opioid use patient resides.
- These data represent any encounter with the term “heroin, opioid, opiate, or fentanyl” listed as chief complaint text. These data also represent any encounter with an ICD-10 code that was designated for heroin and opioids.
- These data include other opioid-related encounters such as poisonings, withdrawals, and detox.

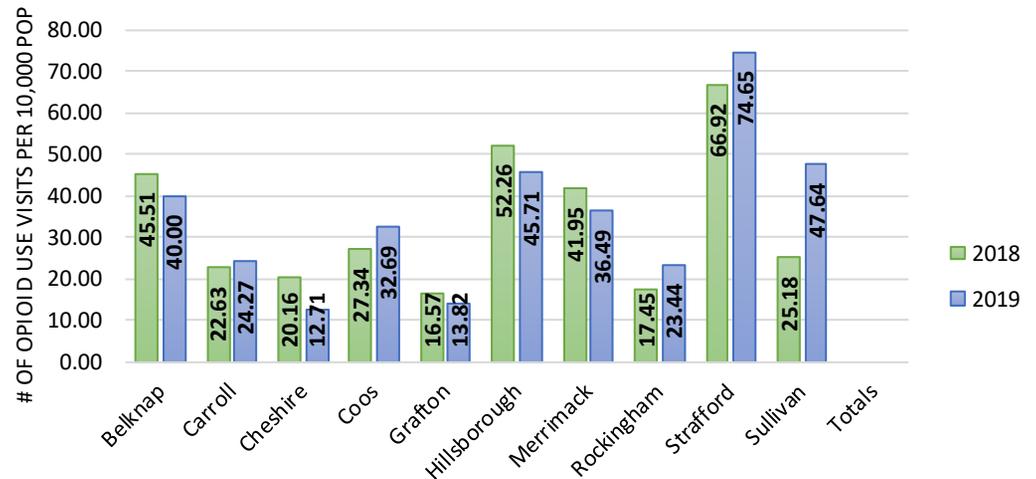


Source: NH Division of Public Health Services

2019 Emergency Department Opioid Use Visits by Age



2018 - 2019 Emergency Department Opioid Use Visit by County per 10,000 Population



SOURCE: NH DIVISION OF PUBLIC HEALTH SERVICES

Opioid Related Emergency Department Visits (Continued):

Data Source: NH Division of Public Health Services

	2016	2017	2018	January	February	March	April	May	June	July	August	September	October	November	December	2019
Total	6,084	6,684	5,539	450	430	478	538	563	547	488	474	425	414	398	357	5,562
County																
Belknap	94	134	281	26	35	31	31	31	28	15	13	14	8	9	6	247
Carroll	175	107	110	9	8	8	11	7	15	14	9	8	9	9	11	118
Cheshire	135	158	157	8	6	4	8	11	6	11	7	11	12	6	9	99
Coos	143	172	92	3	4	5	13	3	5	17	13	14	9	12	12	110
Grafton	205	176	151	11	12	13	23	11	8	6	9	11	8	6	8	126
Hillsborough	2,501	2,713	2,154	176	148	180	190	205	186	159	141	115	135	120	129	1,884
Merrimack	559	970	630	62	38	45	50	43	43	30	47	46	40	58	46	548
Rockingham	736	660	539	52	61	78	83	90	70	55	61	51	42	48	33	724
Strafford	961	896	856	74	78	70	76	103	89	85	105	93	76	60	46	955
Sullivan	81	197	111	3	2	4	3	4	38	42	20	17	31	22	24	210
Out of State	494	501	458	26	38	40	50	55	59	54	49	45	44	48	33	541
Gender																
Male	3,452	3,798	3,183	268	256	277	299	205	308	279	299	246	235	240	214	3,126
Female	2,632	2,886	2,356	182	174	201	239	358	239	209	175	179	179	158	143	2,436
Age																
0-9	5	11	10	1	2	1	0	1	0	0	0	1	0	2	0	8
10-19	176	170	104	8	9	4	6	3	5	10	4	11	5	2	7	74
20-29	2,443	2,477	1,881	143	170	145	170	168	183	116	160	120	130	118	99	1,722
30-39	1,889	2,235	1,929	168	129	178	178	208	183	200	179	170	158	140	140	2,031
40-49	774	879	756	50	50	68	91	73	80	70	54	63	63	70	49	781
50-59	500	562	509	54	49	53	55	67	60	60	51	29	38	38	36	590
60+	297	350	350	26	21	29	38	43	36	32	26	31	20	28	26	356

Treatment Admissions:

Data Source: NH Bureau of Drug & Alcohol Services

Trends:

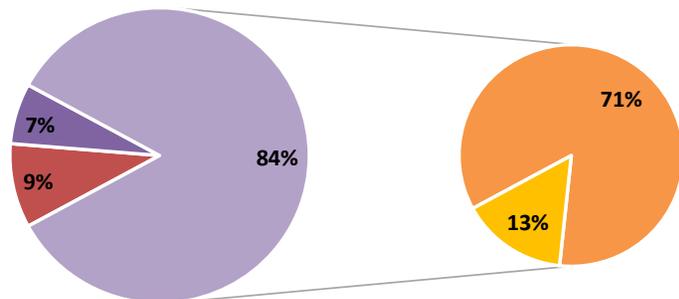
- Opioid/opiate, methamphetamine, & cocaine/crack treatment admissions increased by 9% from 2018-2019.
- In 2019, residents from Belknap, Hillsborough, & Strafford County were admitted most often for opioid/opiate, methamphetamine, & cocaine/crack treatment per capita with 24.63, 25.45, & 25.22 admissions per 10,000 population respectively.
- Based on absolute numbers, Hillsborough County had the most residents admitted for opioid/opiate, methamphetamine, & cocaine/crack treatment with 1,052 admissions in 2019, a 32% increase from 2018, where Hillsborough County also had the most residents admitted.
- In 2019, 84% of treatment admissions for the referenced substances involved opioid/opiates.

***** IMPORTANT DATA NOTES *****

- County represents where the patient resides.
- These data represent treatment admissions to state funded facilities.

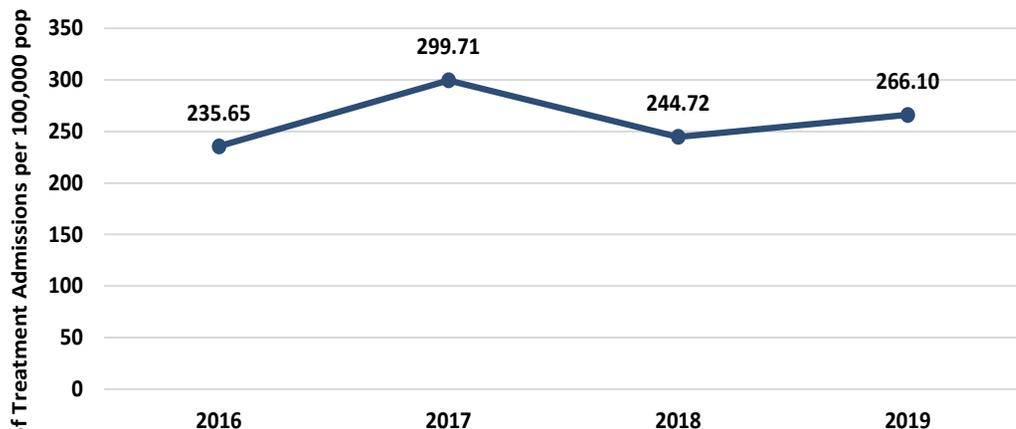
2019 Percentage of Opioid/Opiate (Rx Opiate, Heroin/Fentanyl), Methamphetamine, & Cocaine/Crack Treatment Admissions

■ Methamphetamine ■ Cocaine/Crack ■ Heroin/Fentanyl ■ Rx Opiates



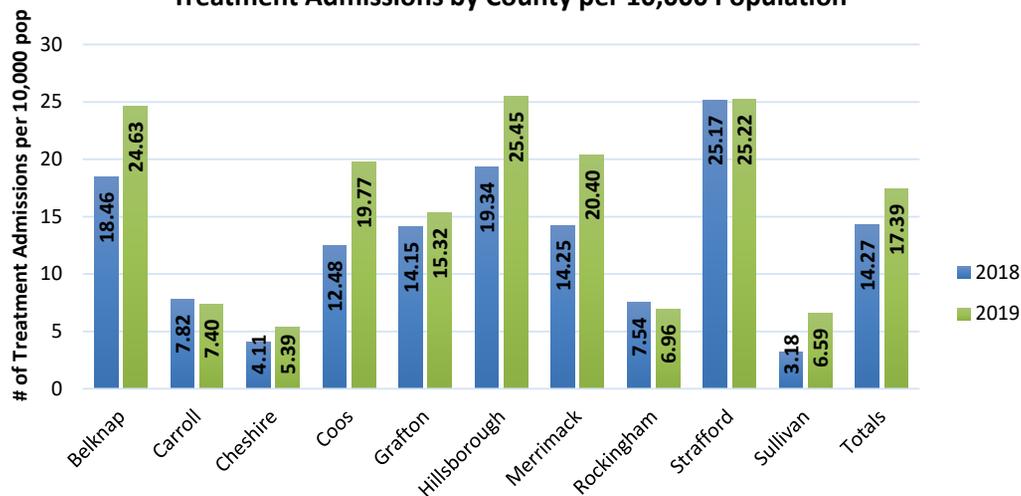
Source: NH Bureau of Drug & Alcohol Services

Opioid/Opiate, Methamphetamine, & Cocaine/Crack Treatment Admissions by Year per 100,000 Population



Source: NH Bureau of Drug & Alcohol Services

2018 - 2019 Opioid/Opiate, Methamphetamine, & Cocaine/Crack Treatment Admissions by County per 10,000 Population



Source: NH Bureau of Drug & Alcohol Services

Treatment data includes opioid/opiate, methamphetamine,
& cocaine/crack admissions

Treatment Admissions (Continued):

Data Source: NH Bureau of Drug & Alcohol Services

	2017	2018	January	February	March	April	May	June	July	August	September	October	November	December	2019
Total	4,024	3,319	291	292	371	363	298	293	304	267	285	306	267	272	3,609
County															
Belknap	156	114	4	7	33	17	8	4	18	9	13	15	11	13	152
Carroll	43	38	1	4	5	6	3	3	3	1	1	3	3	3	36
Cheshire	60	32	2	4	6	2	5	2	3	3	4	2	5	4	42
Coos	45	42	8	4	8	7	10	5	2	4	3	6	5	4	66
Grafton	122	129	13	10	17	7	17	13	11	10	11	12	9	10	140
Hillsborough	1,044	797	68	72	77	108	85	99	93	81	88	112	91	78	1,052
Merrimack	342	214	29	20	38	25	23	15	23	19	19	38	29	28	306
Rockingham	319	233	21	16	18	26	21	18	18	19	19	16	15	9	216
Strafford	336	322	23	21	44	35	22	38	28	25	24	22	15	28	325
Sullivan	25	14	0	1	1	3	1	2	1	2	7	8	1	2	29
Out of State	129	16	2	4	0	2	2	3	0	0	1	50	0	1	65
Not Provided	1,403	1,368	120	129	124	125	101	91	104	94	95	22	83	92	1,180
Gender															
Male	2,419	1,891	157	162	210	193	164	170	162	145	139	165	138	159	1,964
Female	1,602	1,425	134	129	160	170	134	123	142	122	145	141	129	112	1,641
Transgender	2	3	0	1	1	0	0	0	0	0	1	0	0	1	4
Age															
< 18	7	2	1	0	1	1	2	0	1	0	0	1	1	0	8
18-25	821	581	39	51	58	54	50	39	50	37	42	47	35	35	537
> 26	3,196	2,736	251	241	312	308	246	254	253	230	243	258	231	237	3,064