



# New Hampshire Drug Monitoring Initiative

## New Hampshire Information & Analysis Center

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NHIAC Product #: 2018-3499

**2017 Overview Report – FINAL**

5 October 2018

**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.

## 2017 Overview—Drug Environment Report—UNCLASSIFIED

### Table of Contents:

<u>Section Title</u>	<u>Page #</u>
<b>Overview</b> _____	<b>2</b>
<b>Drug Overdose Deaths</b> _____ <i>Source: NH Medical Examiner's Office</i>	<b>3</b>
<b>EMS Narcan Administration</b> _____ <i>Source: NH Bureau of Emergency Medical Services (EMS)</i>	<b>5</b>
<b>Opioid Related Emergency Department Visits</b> _____ <i>Source: NH Division of Public Health Services</i>	<b>7</b>
<b>Treatment Admissions</b> _____ <i>Source: NH Bureau of Drug &amp; Alcohol Services</i>	<b>9</b>

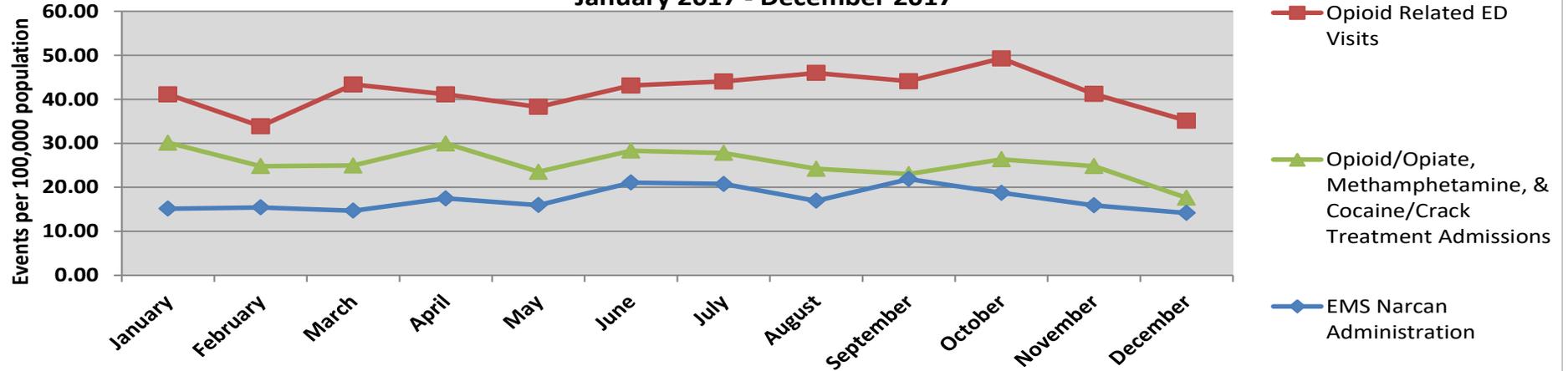
⇒ Population data source: <http://www.nh.gov/oep/data-center/population-estimates.htm>

- Year/month overview charts are based on annual estimates from the above website.
- County charts are based on a 2016 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:**

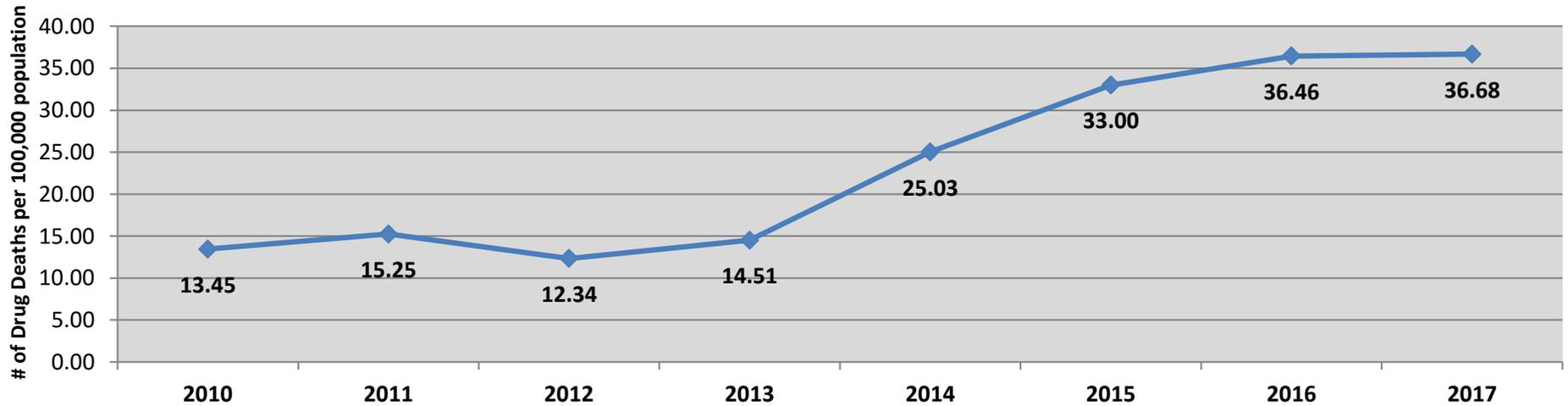
**EMS Naloxone Administration, Opioid Related ED Visits, and Treatment Admissions per 100,000 Population January 2017 - December 2017**



Source: NH Division of Public Health Services, NH Bureau of Drug & Alcohol Services, and NH Bureau of EMS

**Drug Overdose Deaths By Year**

Data Source: NH Medical Examiner's Office



### Drug Overdose Deaths:

Data Source: NH Medical Examiner's Office

**Trends:**

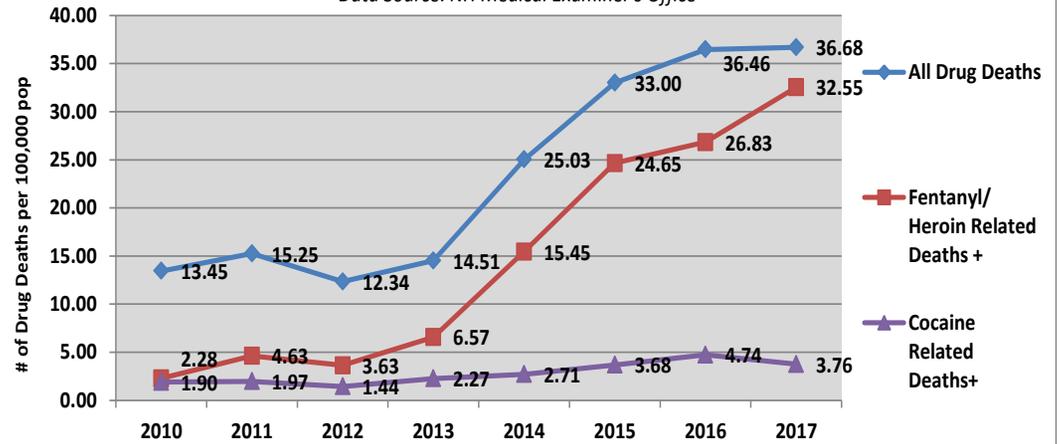
- Drug overdose deaths increased only slightly from 2016 to 2017.
- In 2017, Hillsborough County had the highest suspected drug use resulting in overdose deaths per capita at 4.82 deaths per 10,000 population.
- Belknap County had the next highest suspected drug use resulting in overdose deaths per capita at 4.47 deaths per 10,000 population.
- The age group with the largest number of drug overdose deaths was 30-39 which represented 26% of all overdose deaths for 2017.
- As released by the Attorney General's Office, there were 12 deaths related to the use of Carfentanil in 2017.

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

- Analysis is based on county where the drug (s) is suspected to have been used.

#### Overdose Deaths by Year per 100,000 Population

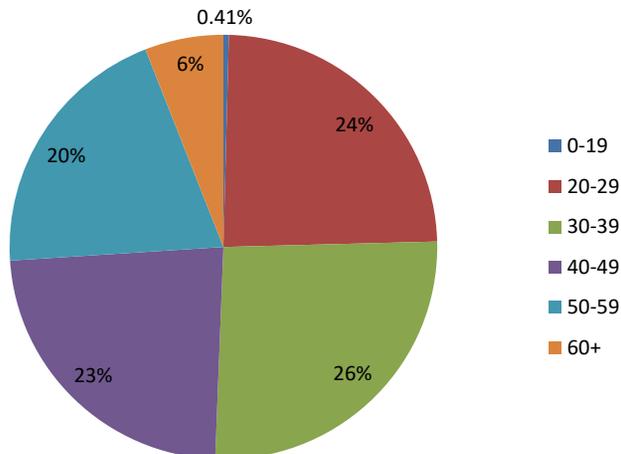
Data Source: NH Medical Examiner's Office



+ Cocaine and Fentanyl/Heroin Related deaths are not mutually exclusive, several deaths involved both categories

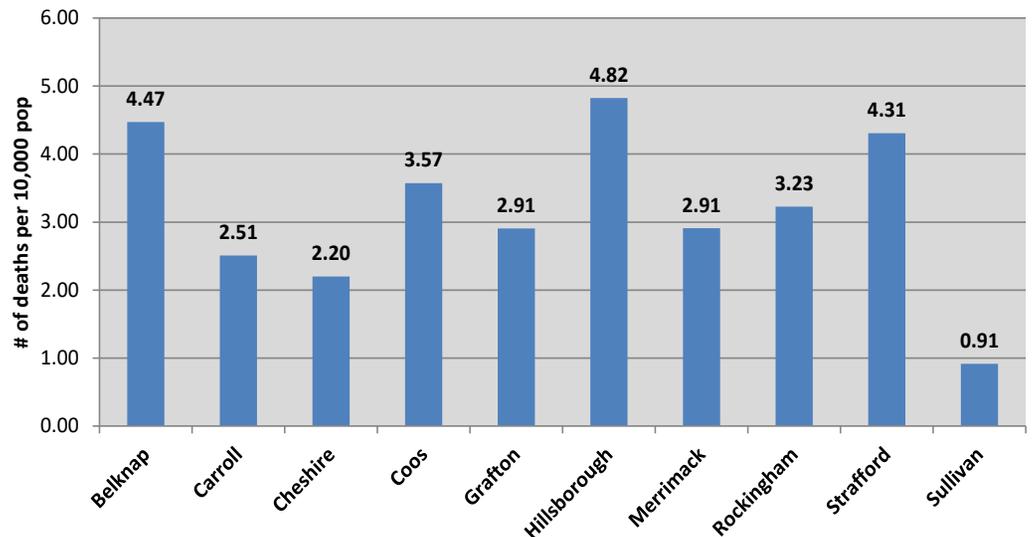
#### Overdose Deaths by Age 2017

Data Source: NH Medical Examiner's Office



#### 2017 Overdose Deaths by County per 10,000 Population

Data Source: NH Medical Examiner's Office



**Drug Overdose Deaths (Continued):***Data Source: NH Medical Examiner's Office*

	2013	2014	2015	2016	January	February	March	April	May	June	July	August	September	October	November	December	2017
<b>Total</b>	<b>192</b>	<b>332</b>	<b>439</b>	<b>485</b>	<b>35</b>	<b>32</b>	<b>37</b>	<b>52</b>	<b>44</b>	<b>38</b>	<b>50</b>	<b>44</b>	<b>46</b>	<b>42</b>	<b>27</b>	<b>41</b>	<b>488</b>
<b>County</b>																	
Belknap	8	17	17	16	1	1	3	3	0	0	6	2	2	3	2	4	27
Carroll	4	9	22	16	0	0	2	2	1	1	0	1	0	0	3	2	12
Cheshire	14	17	11	20	2	0	2	1	0	0	2	2	2	4	1	1	17
Coos	6	9	14	10	3	1	0	0	0	2	0	1	2	1	0	2	12
Grafton	13	17	13	16	1	2	1	1	3	5	2	2	2	4	2	1	26
Hillsborough	68	106	178	199	12	12	14	24	24	17	21	15	18	15	9	14	195
Merrimack	17	40	39	43	5	3	1	4	3	2	7	6	4	4	2	2	43
Rockingham	34	64	89	90	8	5	13	9	8	5	9	8	12	4	7	9	97
Strafford	25	40	47	55	3	6	1	6	5	6	3	7	4	6	1	6	54
Sullivan	4	4	8	9	0	1	0	2	0	0	0	0	0	1	0	0	4
Out of State	0	3	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0
Not Determined	0	0	0	9	0	1	0	0	0	0	0	0	0	0	0	0	1
<b>Gender</b>																	
Male	132	219	307	336	26	18	32	35	33	29	34	36	28	26	24	26	347
Female	61	107	131	149	9	14	5	17	11	9	16	8	18	16	3	15	141
<b>Age</b>																	
0-19	3	3	8	7	0	0	0	0	0	0	1	1	0	0	0	0	2
20-29	40	79	110	123	12	6	8	10	7	13	12	13	9	9	7	12	118
30-39	32	80	116	147	6	9	10	14	10	9	13	12	17	11	5	11	127
40-49	52	67	99	98	9	13	7	14	12	4	13	4	12	10	7	9	114
50-59	51	78	91	89	6	2	10	11	9	10	7	10	8	9	8	8	98
60+	15	19	14	21	2	2	2	3	6	2	4	4	0	3	0	1	29

# Overdose Deaths by Town\* - 2017

(Data Source: NH Medical Examiner's Office)

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



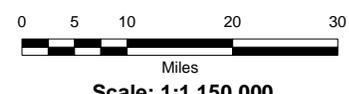
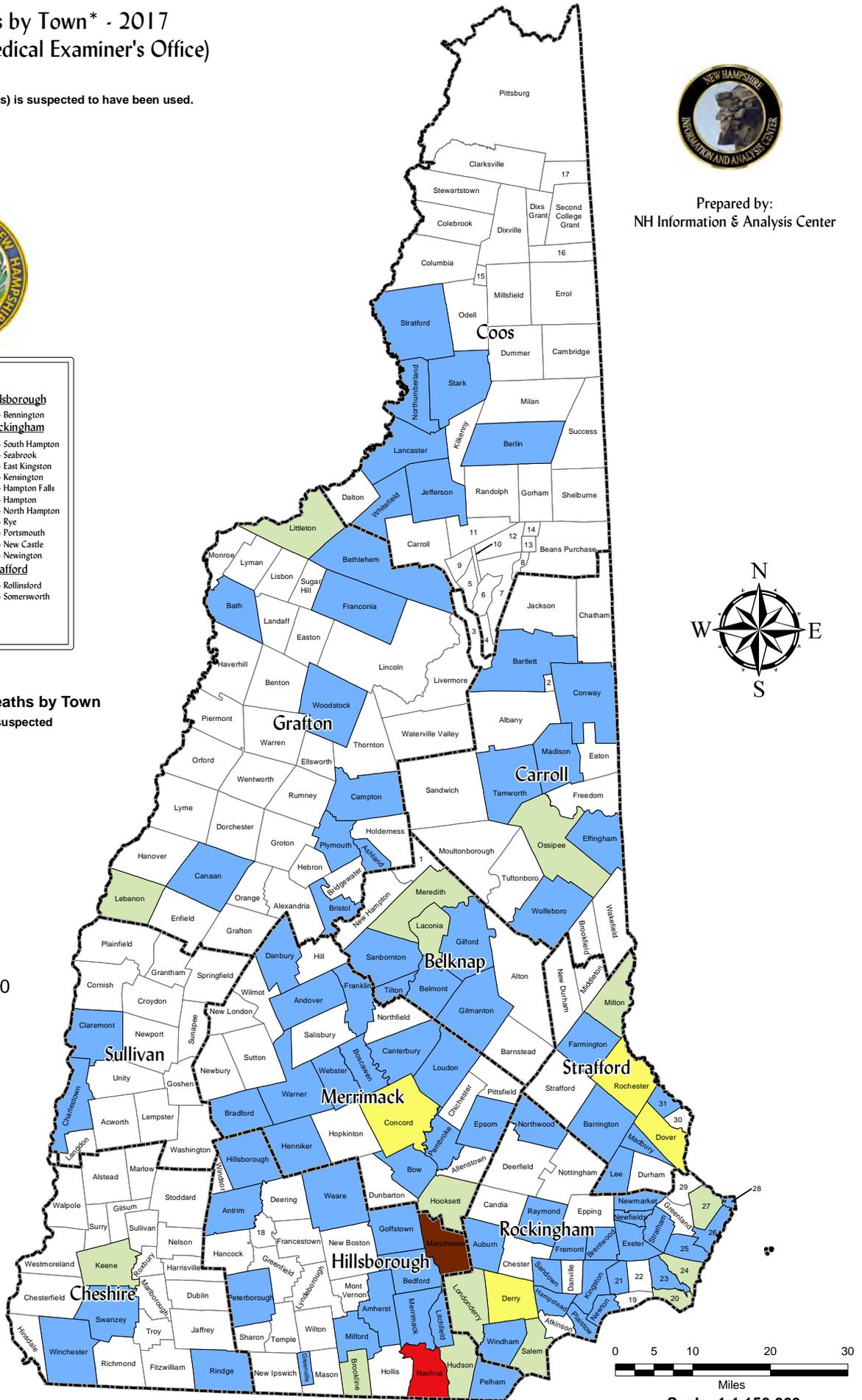
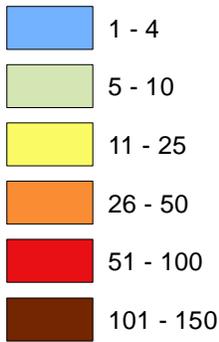
Prepared by:  
NH Information & Analysis Center

### INDEX

<b>Belknap</b>	<b>Hillsborough</b>
1 - Center Harbor	18 - Bennington
<b>Carroll</b>	<b>Rockingham</b>
2 - Hales Location	19 - South Hampton
3 - Harts Location	20 - Seabrook
<b>Coos</b>	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	<b>Strafford</b>
13 - Greens Grant	30 - Rollinsworth
14 - Martins Location	31 - Somersworth
15 - Erving's 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.



### EMS Narcan Administration:

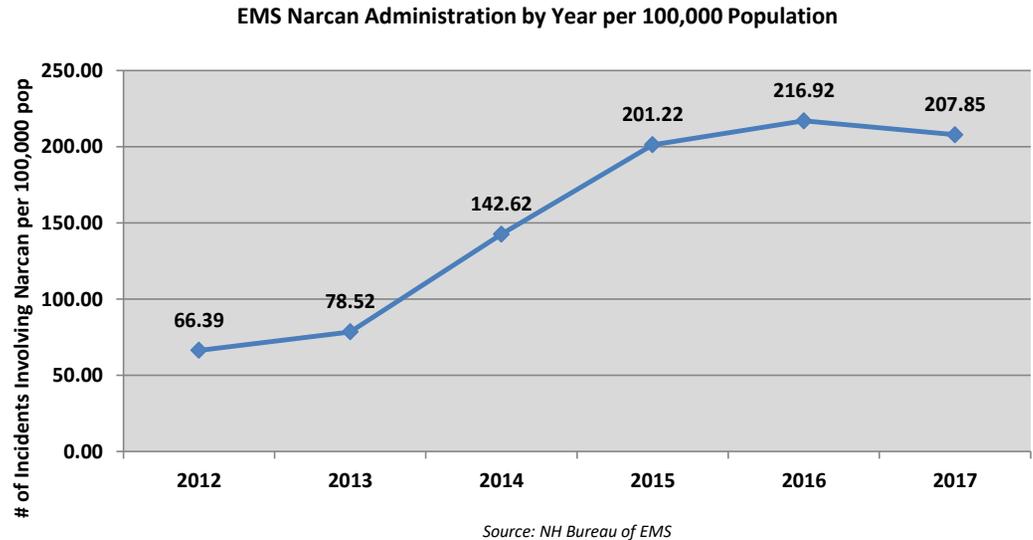
Data Source: NH Bureau of Emergency Medical Services (EMS)

**Trends:**

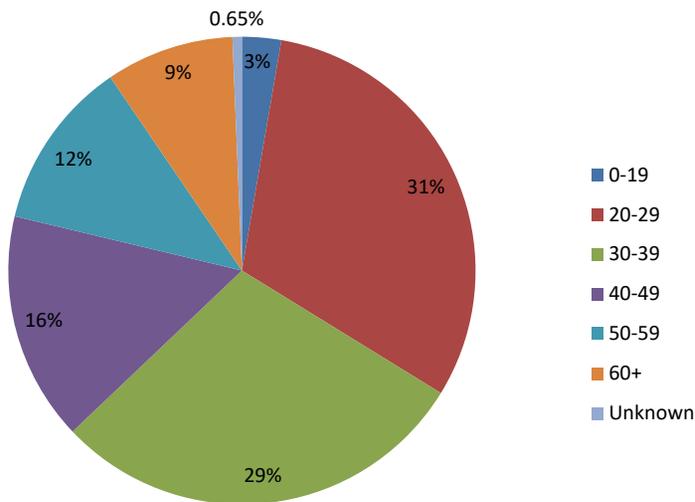
- EMS Narcan administration incidents decreased by 4% from 2016 to 2017.
- In 2017 Belknap County had the most EMS Narcan administration incidents per capita with 35.38 incidents per 10,000 population.
- The age group with the largest number of EMS Narcan administration incidents is 20-29 which represents 31% of all EMS Narcan administration incidents for 2017.

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

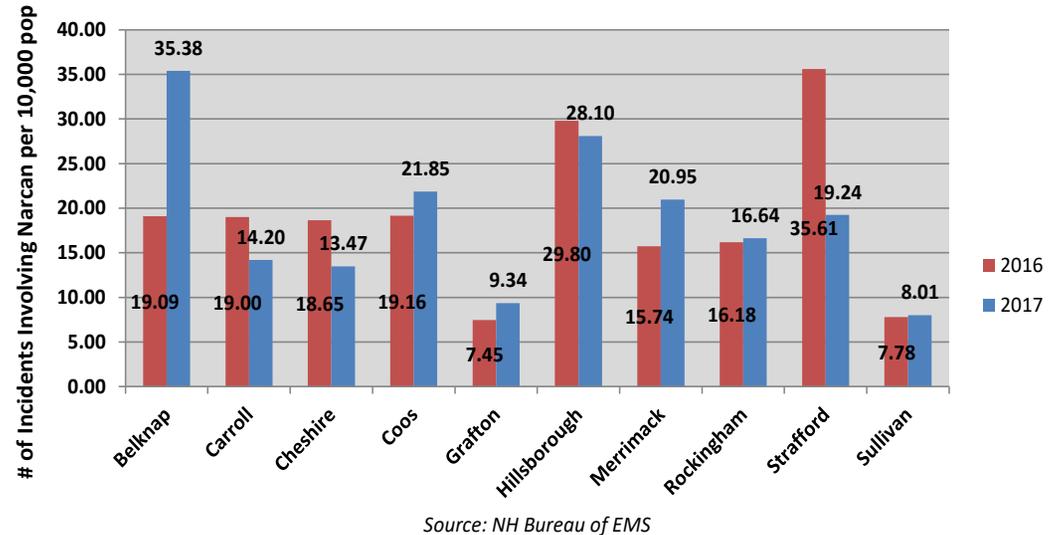
- Narcan data in this report involves the number of incidents where Narcan was administered, NOT the number of doses of Narcan during a certain time period. Multiple doses may be administered during an incident.
- Narcan is administered in cases of cardiac arrest when the cause of the arrest cannot be determined. It therefore cannot be concluded that all of the reported Narcan cases involved drugs.



2017 EMS Narcan Administration by Age Group



2016 vs 2017 EMS Narcan Administration by County per 10,000 Population



**EMS Narcan Administration (Continued):***Data Source: NH Bureau of Emergency Medical Services (EMS)*

	2013	2014	2015	2016	January	February	March	April	May	June	July	August	September	October	November	December	2017
<b>Total</b>	<b>1039</b>	<b>1892</b>	<b>2677</b>	<b>2895</b>	<b>202</b>	<b>206</b>	<b>196</b>	<b>232</b>	<b>213</b>	<b>281</b>	<b>276</b>	<b>226</b>	<b>293</b>	<b>250</b>	<b>212</b>	<b>189</b>	<b>2774</b>
<b>County</b>																	
Belknap	39	59	113	116	8	12	13	13	14	27	34	32	17	14	19	12	215
Carroll	46	52	80	91	13	0	4	6	3	2	10	8	3	11	4	4	68
Cheshire	34	65	79	144	15	3	3	2	7	14	11	5	11	13	10	10	104
Coos	20	41	65	65	7	7	2	6	8	2	6	8	6	7	9	5	73
Grafton	47	56	57	66	3	4	8	7	8	18	5	4	8	8	5	6	84
Hillsborough	399	757	1139	1209	64	80	92	100	84	128	100	96	139	102	89	66	1140
Merrimack	131	185	228	233	22	21	27	34	22	29	34	18	26	27	25	25	310
Rockingham	180	380	501	488	36	41	31	35	45	49	41	33	52	51	43	46	503
Strafford	131	286	380	449	32	31	13	23	20	10	34	21	27	14	8	9	242
Sullivan	12	11	35	34	2	7	2	6	2	2	1	1	3	3	0	6	35
<b>Gender</b>																	
Male	578	1185	1736	1916	133	138	137	149	147	189	195	144	201	174	141	131	1879
Female	459	706	938	979	68	68	59	82	64	91	81	81	90	75	71	57	887
<b>Age</b>																	
0-19	41	83	94	87	4	6	5	5	4	14	8	6	4	6	7	6	75
20-29	239	588	954	973	68	61	63	64	61	74	93	71	105	67	73	63	863
30-39	177	428	684	853	30	61	49	71	53	100	82	68	93	80	66	55	808
40-49	192	304	364	385	37	33	29	45	35	50	50	35	33	38	25	29	439
50-59	185	233	314	327	33	17	23	30	40	25	24	24	37	32	17	24	326
60+	202	246	256	253	29	26	26	17	19	16	18	23	20	17	24	11	246
Age or Gender Not Given	2	10	11	17	1	2	1	0	2	2	1	0	0	10	0	1	20

# EMS/Narcan Administration by Town 1/1/2017 - 12/31/2017

Data Source: New Hampshire Bureau of EMS

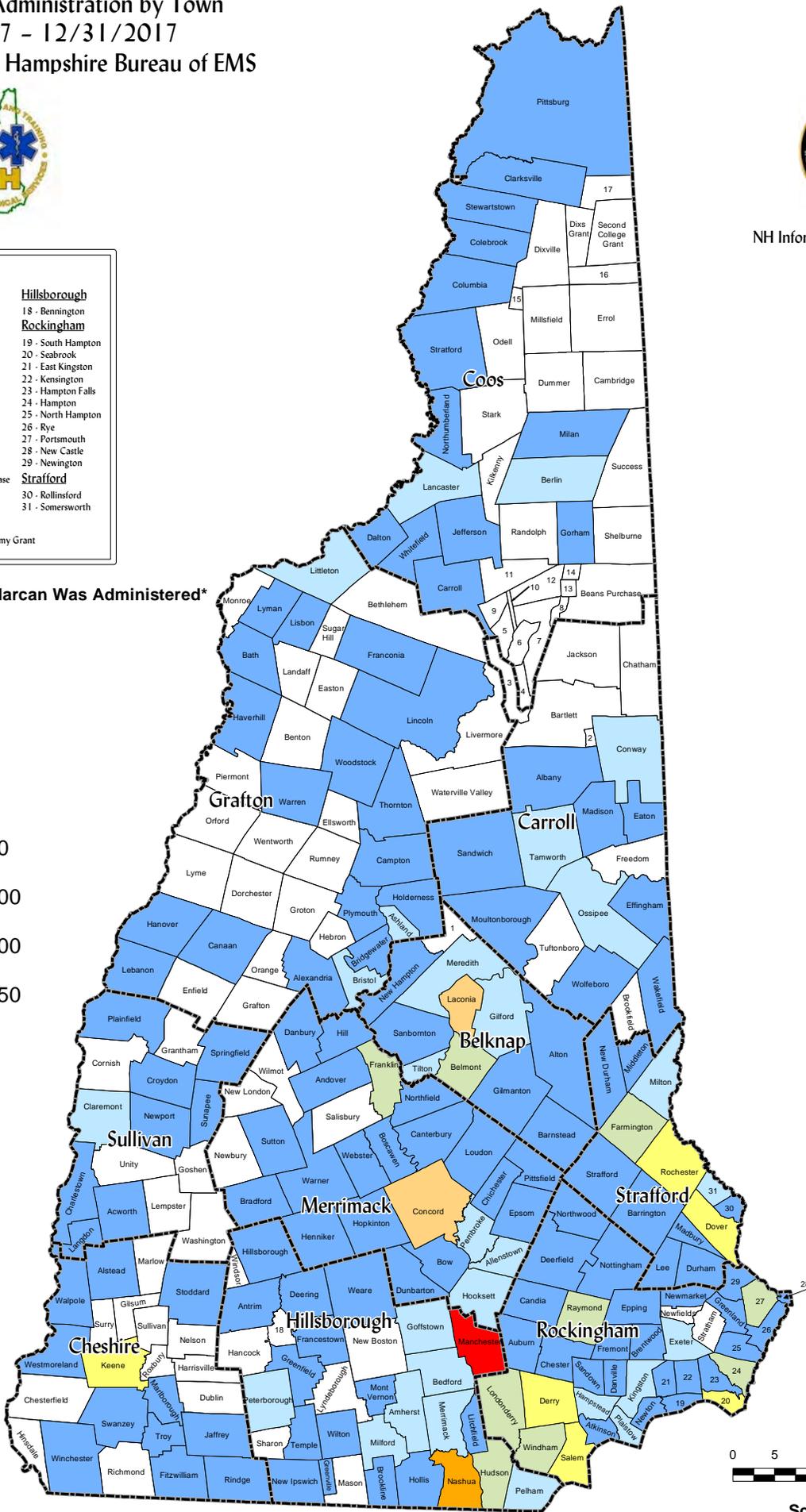
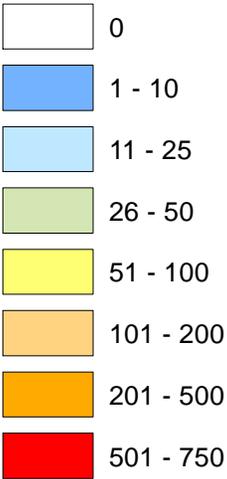


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### \*Incidents Where Narcan Was Administered\*



Scale: 1:1,150,000

**Opioid Related Emergency Department Visits:**

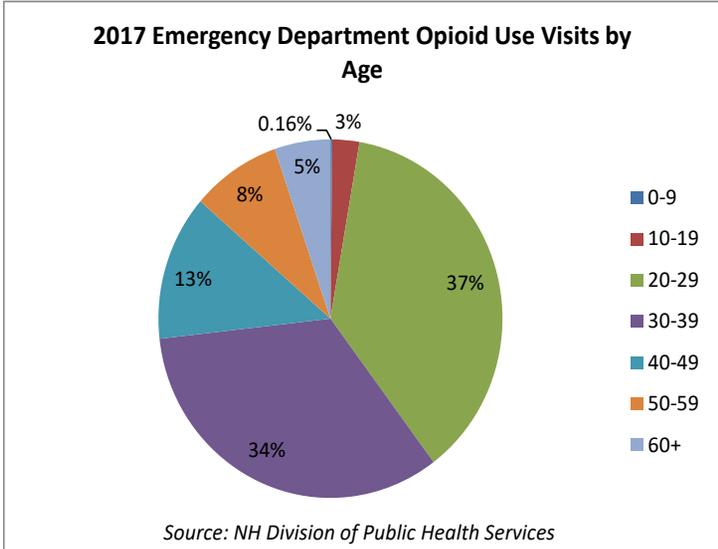
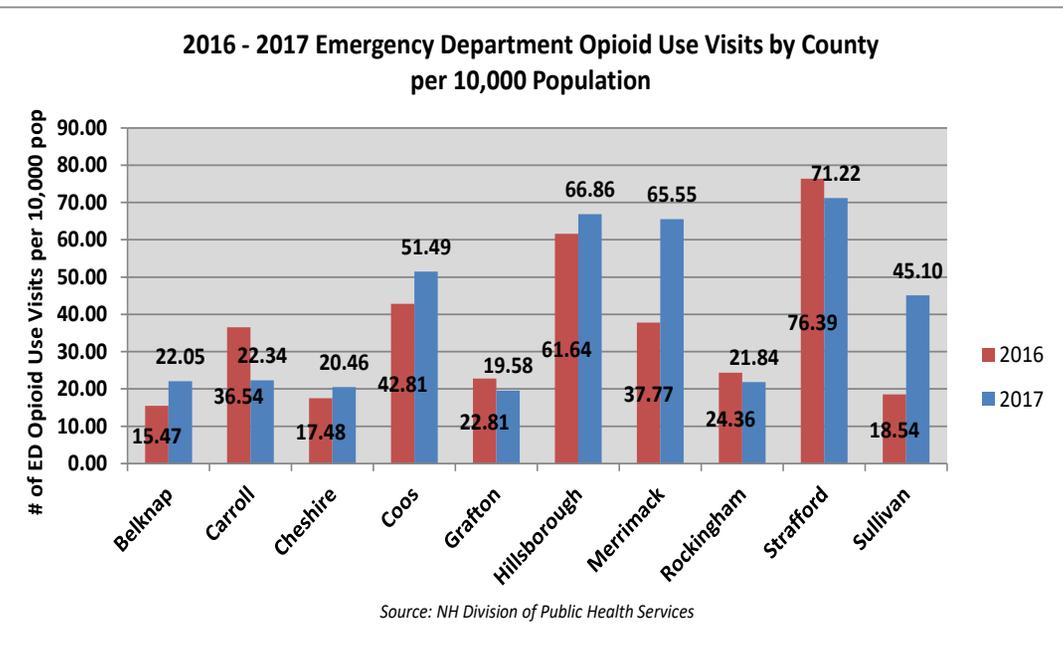
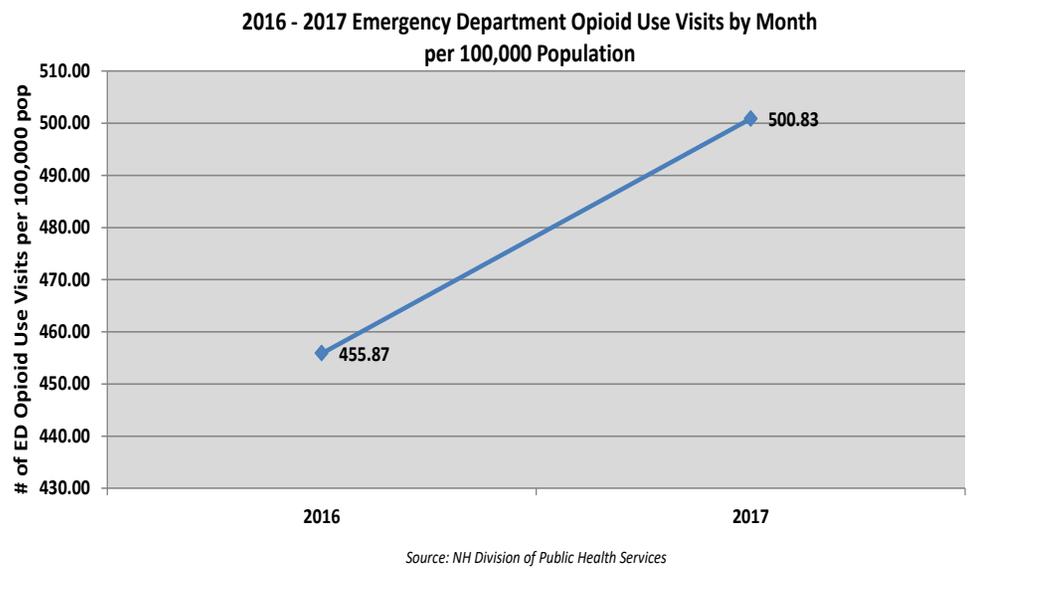
Data Source: NH Division of Public Health Services

**Trends:**

- Opioid related ED visits increased by 9.8% from 2016—2017.
- In 2017 residents from Strafford County had the most opioid related ED visits per capita with 71.22 visits per 10,000 population.
- Based on absolute numbers residents from Hillsborough County had the most opioid related ED visits with 2713 visits in 2017.
- The age group with the largest number of opioid related ED visits is 20-29 which represents 37% of all opioid related ED visits for 2017.

**\*\*\* 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.
- Currently all but two of the hospitals are sending ICD-10 data.
- These data include other opioid-related encounters such as poisonings, withdrawals, and detox.



**Opioid Related Emergency Department Visits (Continued):***Data Source: NH Division of Public Health Services*

	2016	January	February	March	April	May	June	July	August	September	October	November	December	2017
<b>Total</b>	<b>6084</b>	<b>549</b>	<b>452</b>	<b>579</b>	<b>549</b>	<b>511</b>	<b>576</b>	<b>588</b>	<b>614</b>	<b>589</b>	<b>658</b>	<b>550</b>	<b>469</b>	<b>6684</b>
<b>County</b>														
Belknap	94	12	10	8	10	8	10	15	15	8	16	6	16	134
Carroll	175	12	3	5	8	10	7	14	12	12	13	7	4	107
Cheshire	135	17	14	13	17	13	12	10	8	17	12	14	11	158
Coos	143	22	22	8	13	12	16	14	18	10	15	14	8	172
Grafton	205	17	13	26	18	9	14	14	7	12	24	11	11	176
Hillsborough	2501	183	203	273	238	197	227	203	262	273	254	218	182	2713
Merrimack	559	57	58	93	81	76	96	103	103	80	87	82	54	970
Rockingham	736	81	37	47	53	50	53	64	48	52	70	64	41	660
Strafford	961	89	50	51	63	75	82	92	71	66	100	82	75	896
Sullivan	81	15	12	18	15	18	15	22	18	15	22	11	16	197
Out of State	494	44	30	37	33	43	44	37	52	44	45	41	51	501
<b>Gender</b>														
Male	3452	339	264	325	315	291	309	322	357	360	369	294	253	3798
Female	2632	210	188	254	234	220	267	266	257	229	289	256	216	2886
<b>Age</b>														
0-9	5	0	1	0	0	1	1	3	1	1	0	2	1	11
10-19	176	9	14	9	28	19	12	17	13	14	11	12	12	170
20-29	2443	214	182	220	183	203	215	217	227	211	217	213	175	2477
30-39	1889	163	145	160	189	158	196	198	212	212	251	180	171	2235
40-49	774	91	53	96	73	59	77	83	73	72	92	60	50	879
50-59	500	44	34	57	52	46	55	48	44	47	51	51	33	562
60+	297	28	23	37	24	25	20	22	44	32	36	32	27	350

**Treatment Admissions:**

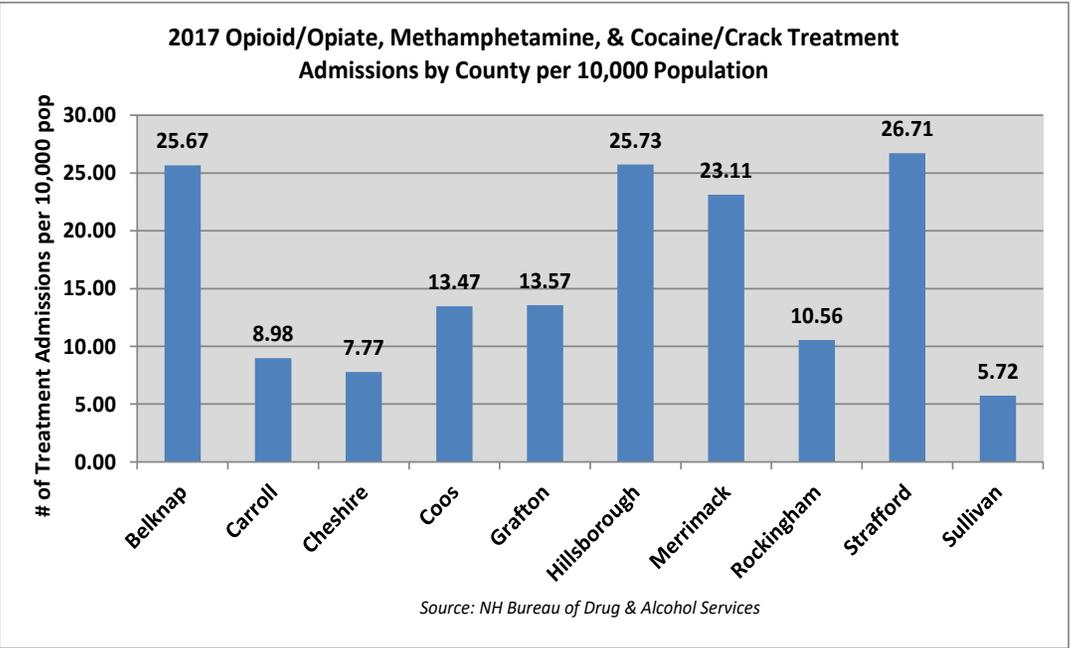
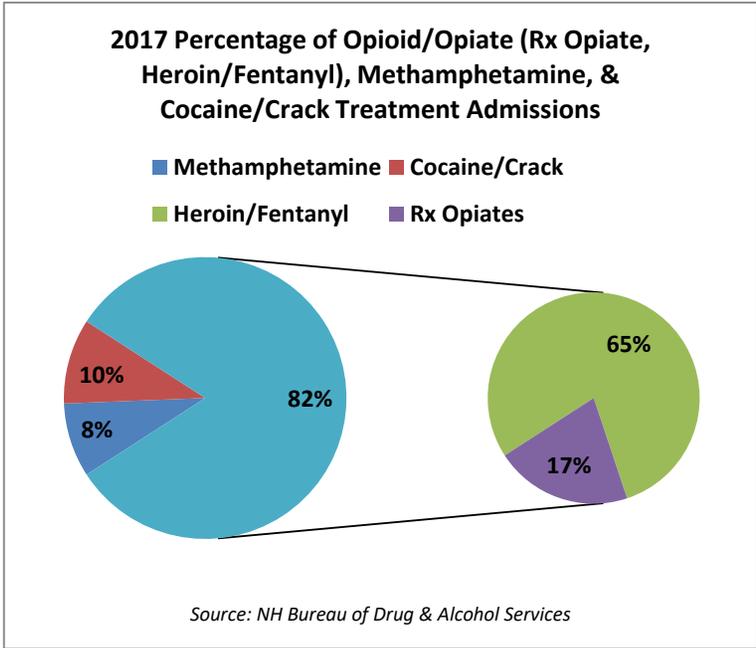
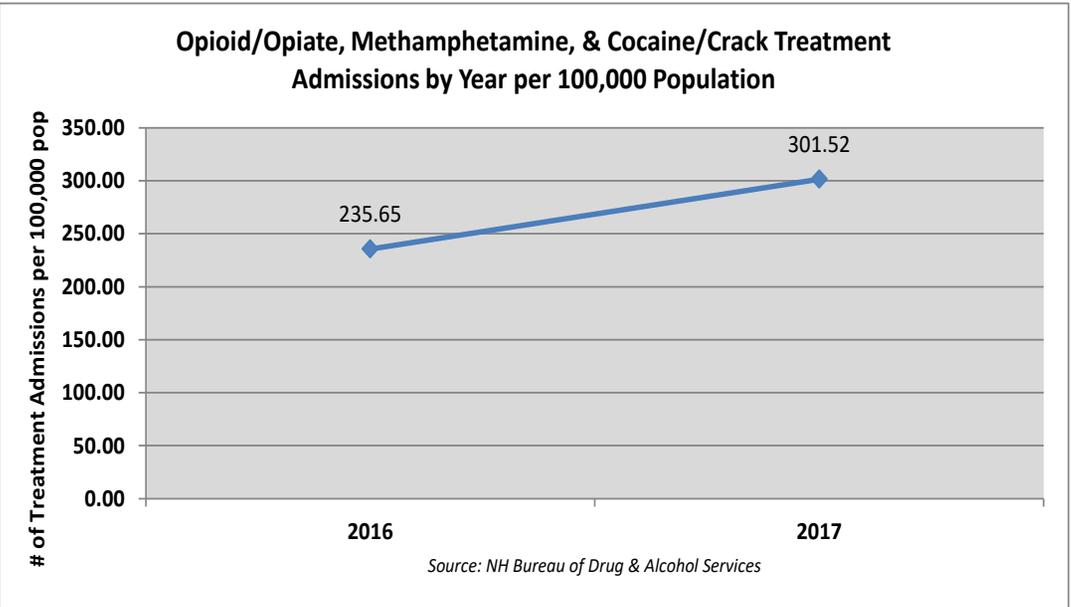
Data Source: NH Bureau of Drug & Alcohol Services

**Trends:**

- Opioid/opiate, methamphetamine, & cocaine/crack treatment admissions increased by 28% from 2016 to 2017.
- In 2017 residents from Strafford County were admitted most often for opioid/opiate, methamphetamine, & cocaine/crack treatment per capita with 25.91 admissions per 10,000 population.
- Based on absolute numbers Hillsborough County had the most opioid/opiate, methamphetamine, & cocaine/crack admissions with 1023 admissions in 2017.
- In 2017 82% of treatment admissions involved opioid/opiates.

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

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



**Treatment Admissions (Continued):**

Data Source: NH Bureau of Drug &amp; Alcohol Services

Opioid/Opiate Treatment	2015	2016	January	February	March	April	May	June	July	August	September	October	November	December	2017
<b>Total</b>	<b>2183</b>	<b>2793</b>	<b>296</b>	<b>280</b>	<b>280</b>	<b>346</b>	<b>259</b>	<b>314</b>	<b>311</b>	<b>261</b>	<b>252</b>	<b>267</b>	<b>252</b>	<b>170</b>	<b>3288</b>
<b>County</b>															
Belknap	92	147	9	10	10	8	11	6	10	17	11	12	7	13	124
Carroll	17	31	2	6	4	5	3	4	3	4	1	1	5	1	39
Cheshire	41	45	8	8	2	5	4	5	6	4	3	5	1	4	52
Coos	41	47	1	2	3	3	3	4	3	6	2	1	3	1	32
Grafton	196	129	10	10	10	14	4	10	12	3	8	4	6	2	93
Hillsborough	725	869	67	62	79	100	68	78	91	63	66	81	66	43	864
Merrimack	120	178	19	33	19	23	21	23	22	23	31	20	20	16	270
Rockingham	186	231	22	18	23	37	21	27	33	17	9	24	23	19	273
Strafford	237	256	33	31	21	25	25	19	17	21	34	20	20	13	279
Sullivan	18	22	3	0	0	1	3	3	1	0	0	2	1	0	14
Out of State	19	22	0	1	0	1	0	3	2	2	2	1	2	1	111
Not Provided	491	816	122	102	109	124	96	132	111	101	85	96	98	57	1137
<b>Gender</b>															
Male	1174	1536	185	173	168	206	148	187	187	156	140	1712	156	110	1978
Female	1009	1257	111	107	112	140	111	127	124	105	112	1154	95	60	1309
Transgender	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
<b>Age</b>															
< 18	14	7	2	0	1	0	1	0	2	0	0	0	0	0	6
18—25	699	742	68	59	68	71	55	65	65	45	53	51	54	51	704
> 26	1470	2044	226	221	211	275	203	249	244	216	19	216	198	120	2578