



New Hampshire Drug Monitoring Initiative

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2016 Overview Report

25 January 2017

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.

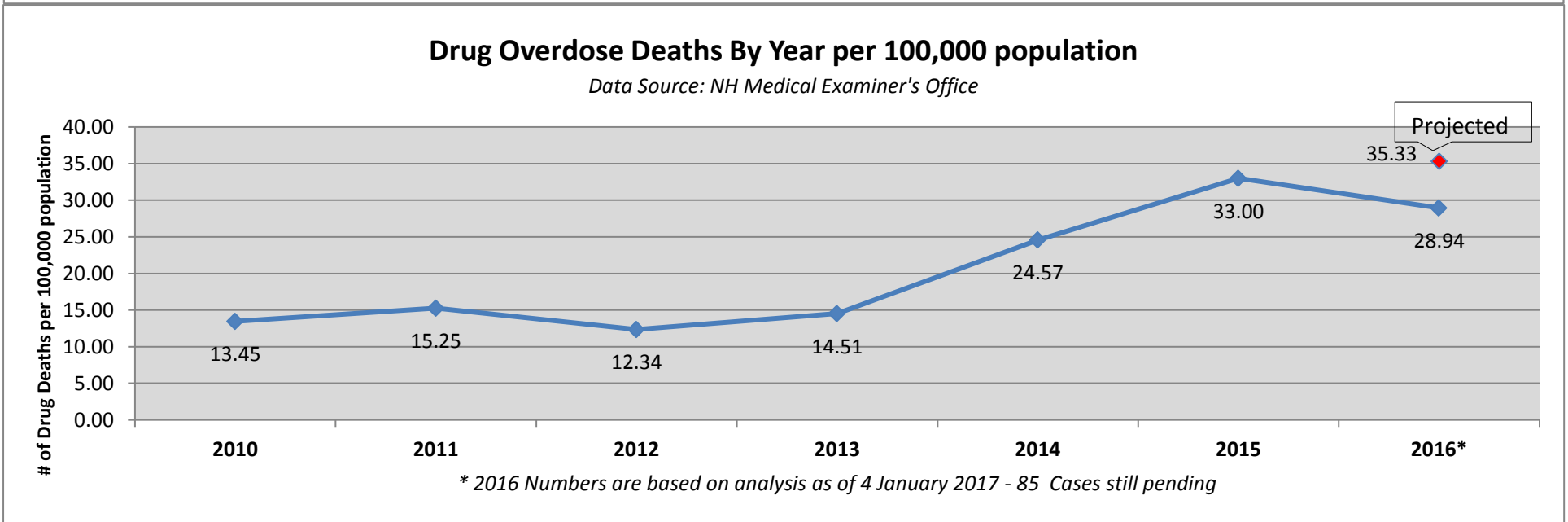
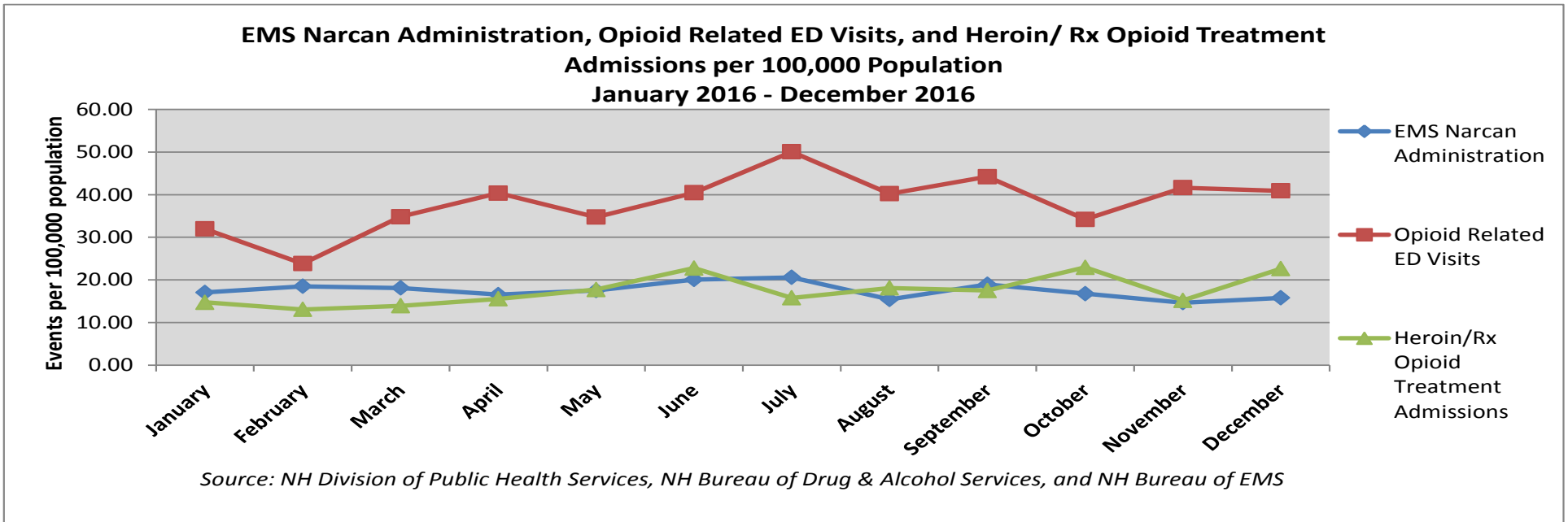
2016 Overview—Drug Environment Report—UNCLASSIFIED

Table of Contents:

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

- ⇒ 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 2015 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 Narcan Incidents, Opioid Related ED Visits, Heroin/ Rx Opioid Treatment Admissions, and Overdose Deaths:



Drug Overdose Deaths:

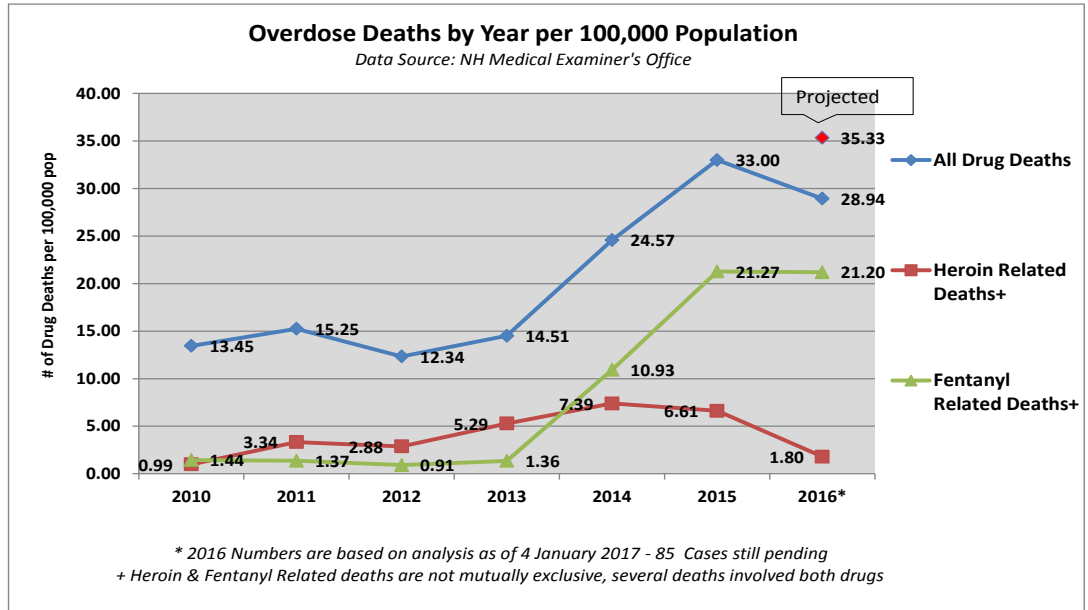
Data Source: NH Medical Examiner's Office

Trends:

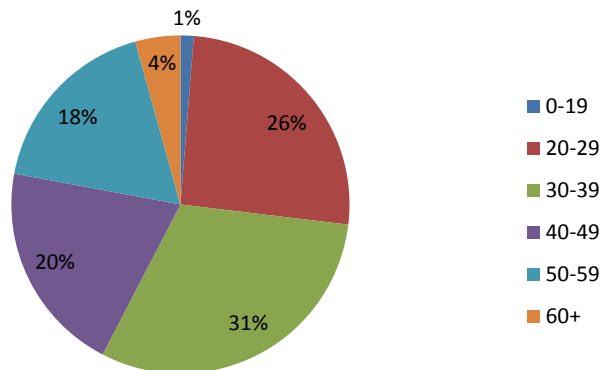
- Drug overdose deaths are projected to increase by 7% from 2015 to 2016.
- In 2016 Strafford County had the highest suspected drug use resulting in overdose deaths per capita at 3.83 deaths per 10,000 population.
- Hillsborough County had the second highest suspected drug use resulting in overdose deaths per capita at 3.76 deaths per 10,000 population.
- The age group with the largest number of drug overdose deaths is 30-39 which represents 31% of all overdose deaths for 2016.

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

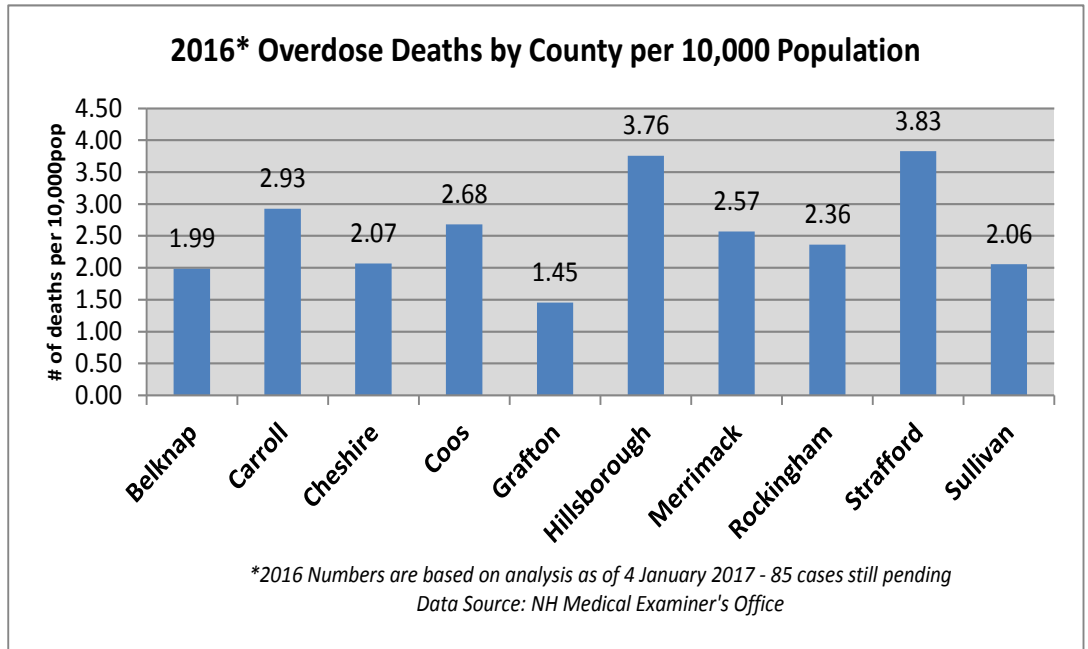
- 2016 Numbers are based on analysis as of 4 January 2017. There are 85 cases from 2016 that are "pending toxicology". It can take 2-3 months to receive toxicology results and determine the cause of death.
- Analysis is based on county where the drug (s) is suspected to have been used.



Overdose Deaths by Age 2016*



*2016 Numbers are based on analysis as of 4 January 2017
Data Source: NH Medical Examiner's Office



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

	2012	2013	2014	2015	January	February	March	April	May	June	July	August	September	October	November	December	2016
Total	163	193	326	438	37	46	43	45	46	34	40	32	35	27	9	-	394
County																	
Belknap	7	8	17	17	1	1	3	1	2	0	2	1	1	0	0	-	12
Carroll	6	4	9	22	2	3	2	1	0	1	2	1	2	0	0	-	14
Cheshire	13	14	17	11	1	2	2	3	2	2	2	0	0	1	1	-	16
Coos	3	6	9	14	1	3	1	0	0	0	2	0	2	0	0	-	9
Grafton	9	13	17	13	1	3	2	0	2	2	1	2	0	0	0	-	13
Hillsborough	54	68	106	178	15	16	13	19	22	12	15	11	15	11	3	-	152
Merrimack	17	17	40	39	3	6	2	4	3	3	6	4	5	2	0	-	38
Rockingham	31	34	64	89	5	7	8	6	7	7	8	6	6	8	3	-	71
Strafford	15	25	40	47	2	5	8	7	6	6	1	4	3	5	1	-	48
Sullivan	7	4	4	8	4	0	0	0	2	1	1	0	1	0	0	-	9
Out of State	1	0	3	0	2	0	0	0	0	0	0	0	0	0	0	-	2
Not Determined	0	0	0	0	0	0	2	4	0	0	0	3	0	0	1	-	10
Gender																	
Male	68	61	219	307	22	33	31	33	31	28	28	18	28	14	7	-	259
Female	95	132	107	131	15	13	12	12	15	6	12	14	7	13	2	-	108
Age																	
0-19	2	3	3	8	0	0	0	0	2	0	1	2	0	0	0	-	5
20-29	29	40	79	110	6	11	14	12	12	11	10	5	11	8	1	-	101
30-39	40	32	80	116	13	16	12	11	17	15	14	7	6	7	3	-	121
40-49	47	52	67	99	9	9	8	11	3	3	8	9	8	10	2	-	80
50-59	32	51	78	91	7	8	7	7	11	2	7	8	8	2	3	-	70
60+	13	15	19	14	2	2	2	4	1	3	0	1	2	0	0	-	17

Opioid Related Emergency Department Visits:

Data Source: NH Division of Public Health Services

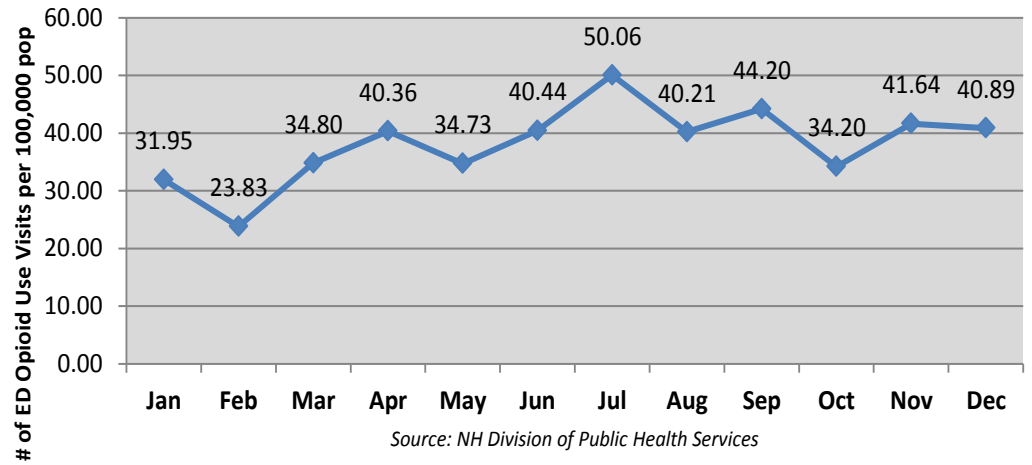
Trends:

- Opioid related ED visits increased by 28% from January—December 2016.
- In 2016 residents from Strafford County had the most opioid related ED visits per capita with 76.67 visits per 10,000 population.
- Based on absolute numbers residents from Hillsborough County had the most opioid related ED visits with 2501 visits in 2016
- The age group with the largest number of opioid related ED visits is 20-29 which represents 40% of all opioid related ED visits for 2016.

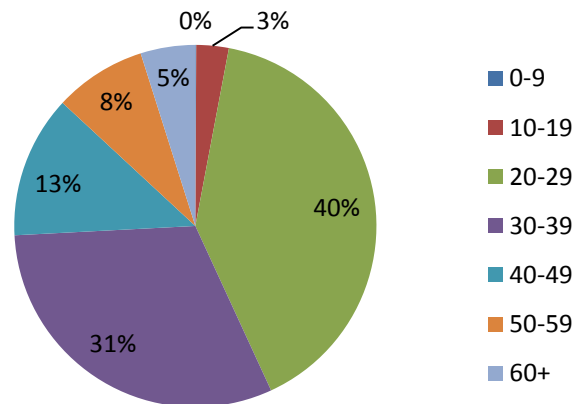
***** IMPORTANT DATA NOTES *****

- 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.

**Emergency Department Opioid Use Visits per 100,000 Population
January 2016 - December 2016**

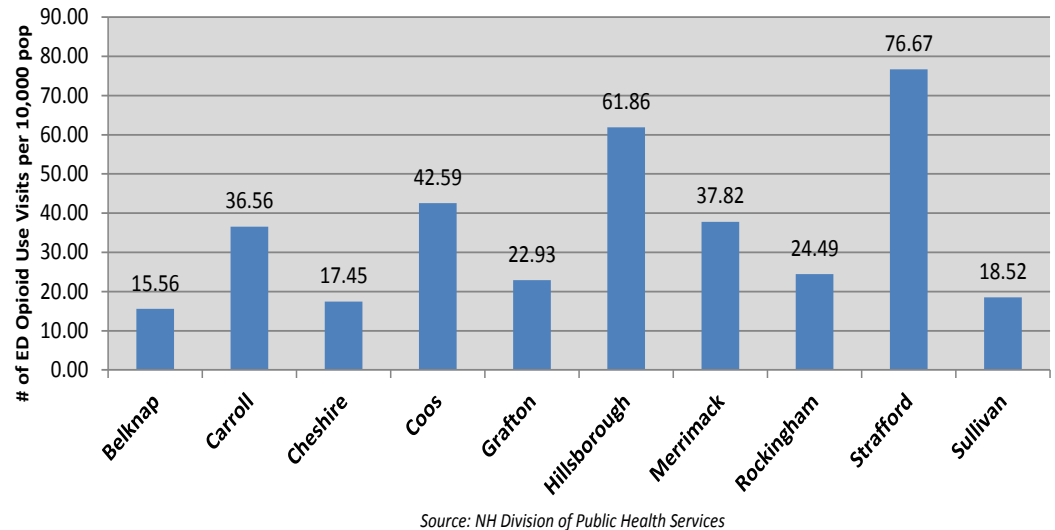


2016 Emergency Department Opioid Use Visits by Age



Source: NH Division of Public Health Services

2016 Emergency Department Opioid Use Visits by County per 10,000 Population



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

	January	February	March	April	May	June	July	August	September	October	November	December	2016
Total	425	317	463	537	462	538	666	535	588	455	554	544	6084
County													
Belknap	10	6	7	6	6	8	5	9	10	5	8	14	94
Carroll	16	13	15	18	14	15	14	10	24	16	14	6	175
Cheshire	1	7	10	7	6	8	16	17	23	6	14	20	135
Coos	7	11	16	9	20	4	12	21	6	9	13	15	143
Grafton	21	16	11	10	22	26	24	15	14	18	17	11	205
Hillsborough	177	125	207	225	182	231	287	214	241	467	221	224	2501
Merrimack	50	36	50	44	45	50	55	45	53	40	47	44	559
Rockingham	38	28	56	87	52	69	99	64	68	51	69	55	736
Strafford	59	53	51	77	74	79	93	85	90	105	99	96	961
Sullivan	6	2	9	7	6	9	5	8	9	4	6	10	81
Out of State	40	20	31	47	35	39	56	47	50	34	46	49	494
Gender													
Male	251	159	255	304	241	313	401	309	323	265	300	331	3452
Female	174	158	208	233	221	225	265	226	265	190	254	213	2632
Age													
0-9	0	0	0	1	0	2	1	0	0	0	0	1	5
10-19	16	12	12	22	10	9	18	21	20	13	13	10	176
20-29	173	136	188	215	176	238	279	226	236	150	228	198	2443
30-39	136	86	143	183	147	155	226	146	171	159	162	175	1889
40-49	55	34	60	60	66	69	66	73	84	71	67	69	774
50-59	28	29	38	38	44	43	51	45	51	38	45	50	500
60+	17	20	22	18	19	22	25	24	26	24	39	41	297

Heroin & Rx Opiate Treatment Admissions:

Data Source: NH Bureau of Drug & Alcohol Services

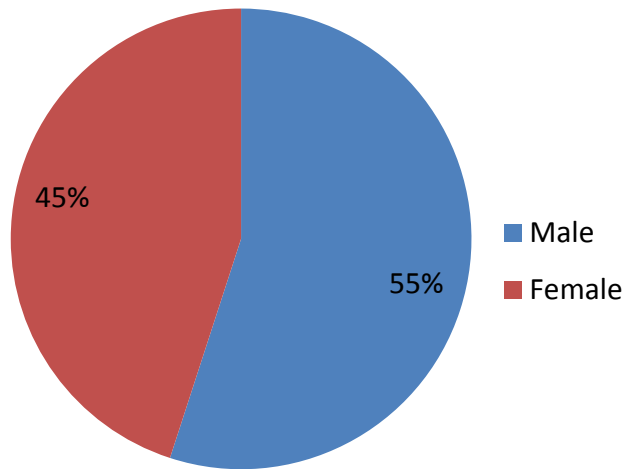
Trends:

- Heroin & Rx opioid treatment admissions increased by 28% from 2015 to 2016.
- In 2016 residents from Belknap County were admitted most often for heroin & Rx opioid treatment per capita with 24.33 admissions per 10,000 population.
- Based on absolute numbers Hillsborough County had the most heroin & Rx treatment admissions with 869 admissions in 2016.
- More males than females were admitted to treatment programs during 2016.

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

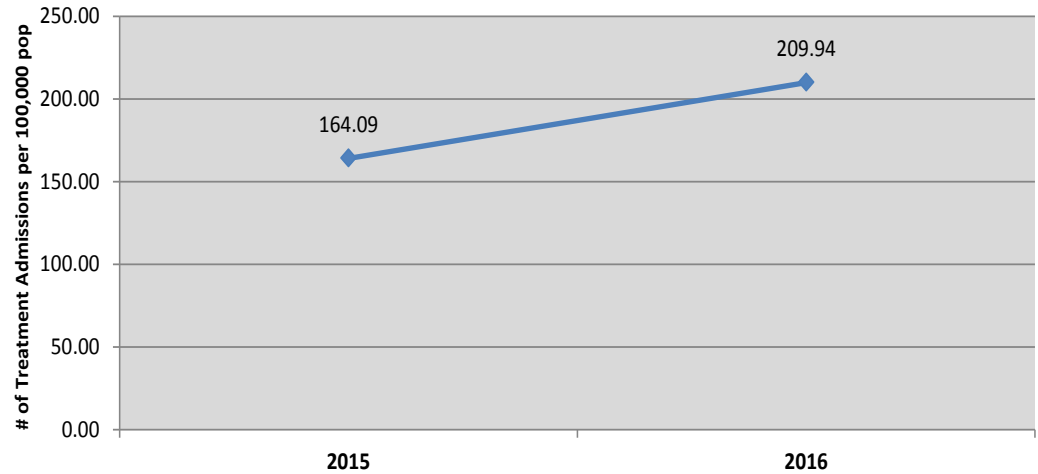
- County represents where the patient resides.
- These data represent treatment admissions to state funded facilities.

2016 Heroin & Rx Treatment Admissions by Gender



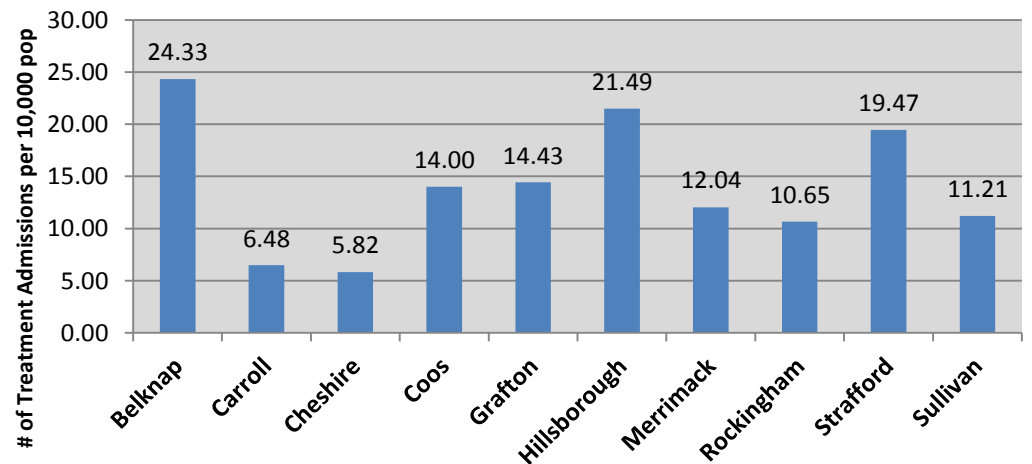
Source: NH Bureau of Drug & Alcohol Services

Heroin & Rx Opiate Treatment Admissions by Year per 100,000 Population



Source: NH Bureau of Drug & Alcohol Services

2016 Heroin & Rx Opiate Treatment Admissions by County per 10,000 Population



Source: NH Bureau of Drug & Alcohol Services

Heroin & Rx Opiate Treatment Admissions:*Data Source: NH Bureau of Drug & Alcohol Services*

	2015	January	February	March	April	May	June	July	August	September	October	November	December	2016
Total	2183	196	174	185	207	236	303	210	241	233	305	202	301	2793
County														
Belknap	92	13	12	16	12	16	20	14	12	5	12	6	9	147
Carroll	17	3	4	3	1	6	4	0	2	3	1	0	4	31
Cheshire	41	2	3	2	4	1	5	1	5	5	2	3	12	45
Coos	41	3	6	7	5	3	4	1	4	5	4	3	2	47
Grafton	196	22	10	19	8	15	14	6	5	7	6	6	11	129
Hillsborough	725	74	55	44	81	93	76	69	78	69	82	66	82	869
Merrimack	120	5	7	12	14	24	29	15	12	9	16	12	23	178
Rockingham	186	13	15	19	20	18	21	20	21	20	19	28	17	231
Strafford	237	25	22	22	22	19	22	11	24	18	32	10	29	256
Sullivan	18	1	6	2	0	2	2	1	2	0	1	3	2	22
Out of State	19	1	2	2	0	0	1	3	5	0	1	3	4	22
Not Provided	491	34	32	37	40	39	105	69	71	92	129	62	106	816
Gender														
Male	1174	114	82	94	96	127	154	115	133	128	189	120	184	1536
Female	1009	82	92	91	111	109	149	95	108	105	116	82	117	1257
Age														
< 18	14	0	0	4	1	1	0	0	1	0	0	0	0	7
18—25	699	61	43	55	52	72	99	51	56	64	78	43	68	742
> 26	1470	135	131	126	154	163	204	159	184	169	227	159	233	2044

EMS Narcan Administration:

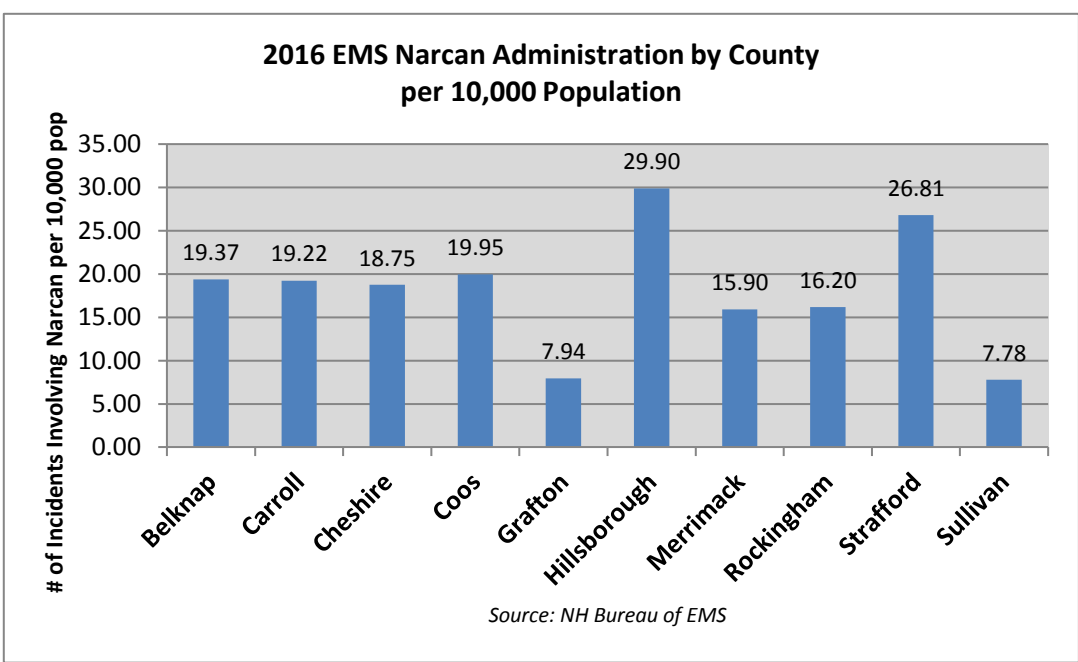
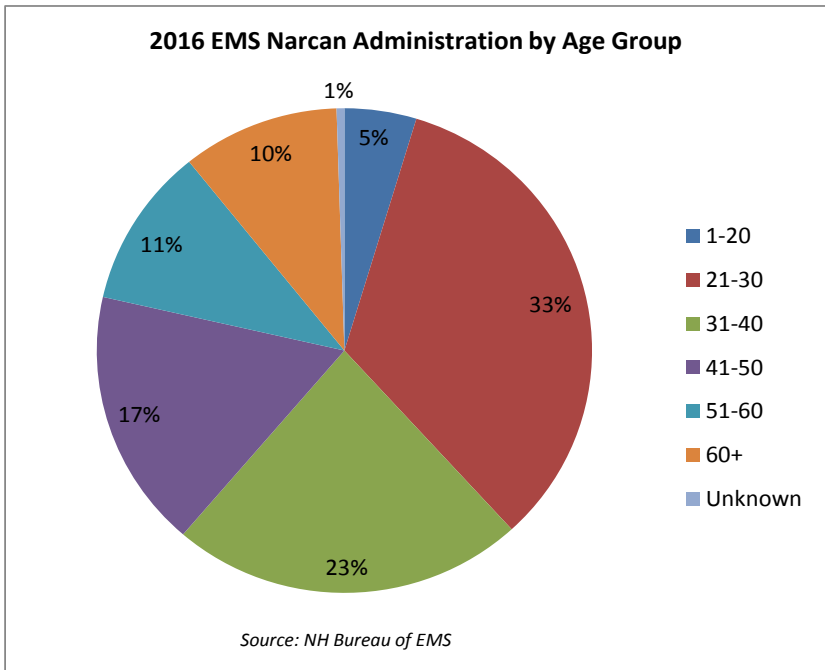
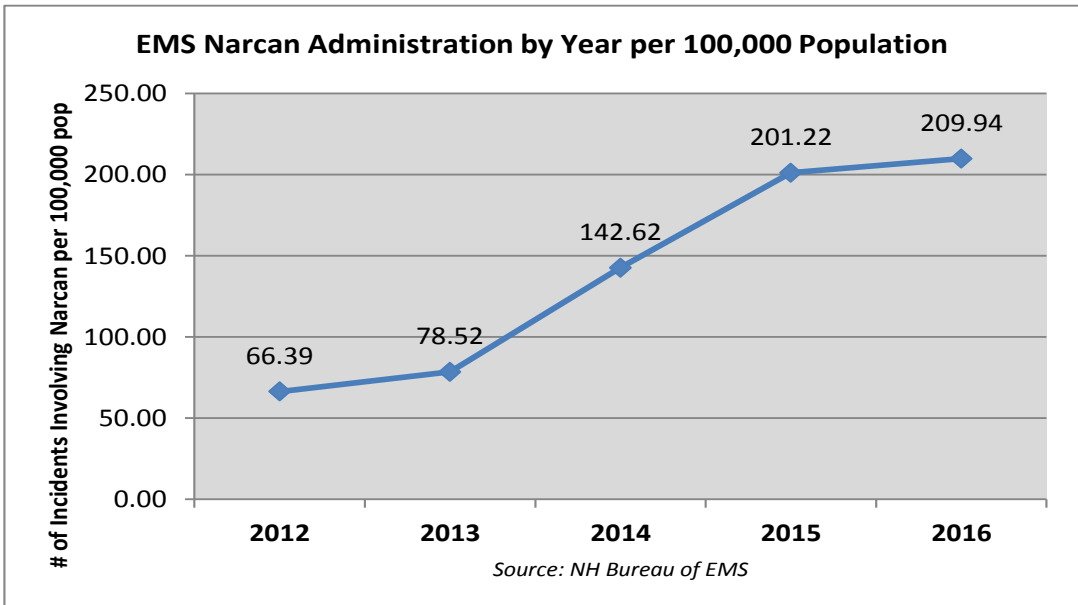
Data Source: NH Bureau of Emergency Medical Services (EMS)

Trends:

- EMS Narcan administration increased by 4% from 2015 to 2016.
- In 2016 Hillsborough County had the most EMS Narcan administration incidents per capita with 29.90 admissions per 10,000 population.
- The age group with the largest number of EMS Narcan administration incidents is 21-30 which represents 33% of all EMS Narcan administration incidents for 2016.

***** 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.



EMS Narcan Administration:

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

	2012	2013	2014	2015	January	February	March	April	May	June	July	August	September	October	November	December	2016
Total	877	1039	1892	2677	227	246	241	220	233	267	274	205	252	223	195	210	2793
County																	
Belknap	50	39	59	113	7	5	6	12	13	6	19	8	7	8	11	15	117
Carroll	44	46	52	80	8	7	7	5	10	9	10	9	7	5	6	9	92
Cheshire	42	34	65	79	9	24	14	8	9	14	9	15	14	13	9	7	145
Coos	24	20	41	65	5	5	4	2	7	6	6	10	11	0	5	6	67
Grafton	32	47	56	57	4	8	3	7	9	6	5	4	4	6	4	11	71
Hillsborough	261	399	757	1139	107	96	102	95	88	106	135	78	101	128	83	90	1209
Merrimack	106	131	185	228	10	22	15	18	22	29	13	16	35	13	18	24	235
Rockingham	215	180	380	501	46	38	52	35	36	48	52	37	41	31	39	32	487
Strafford	85	131	286	380	29	39	36	37	37	36	23	25	24	19	17	14	336
Sullivan	18	12	11	35	2	2	2	1	2	7	2	3	8	0	3	2	34
Gender																	
Male	505	569	1170	1719	153	151	153	146	150	179	186	130	165	145	131	139	1828
Female	367	454	695	925	70	92	85	72	81	85	88	73	86	74	64	71	941
Age																	
0-20	53	56	130	170	11	13	15	9	11	12	11	9	17	17	13	7	145
21-30	199	247	590	986	74	89	86	75	69	109	114	63	91	75	74	73	992
31-40	146	170	385	608	75	53	68	61	58	69	69	50	63	57	56	61	740
41-50	132	188	315	360	26	44	36	31	37	25	35	30	38	35	14	32	383
51-61	161	189	228	302	21	30	23	33	36	17	28	35	32	22	16	22	315
62+	181	173	217	218	16	14	10	9	20	32	17	16	10	13	22	15	194
Age/Gender Not Given	5	16	27	33	4	3	3	2	2	3	0	2	1	4	0	0	24