



New Hampshire Drug Monitoring Initiative

New Hampshire Information & Analysis Center

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NHIAC Product #: 2017-3120

2016 Overview Report—FINAL

26 October 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

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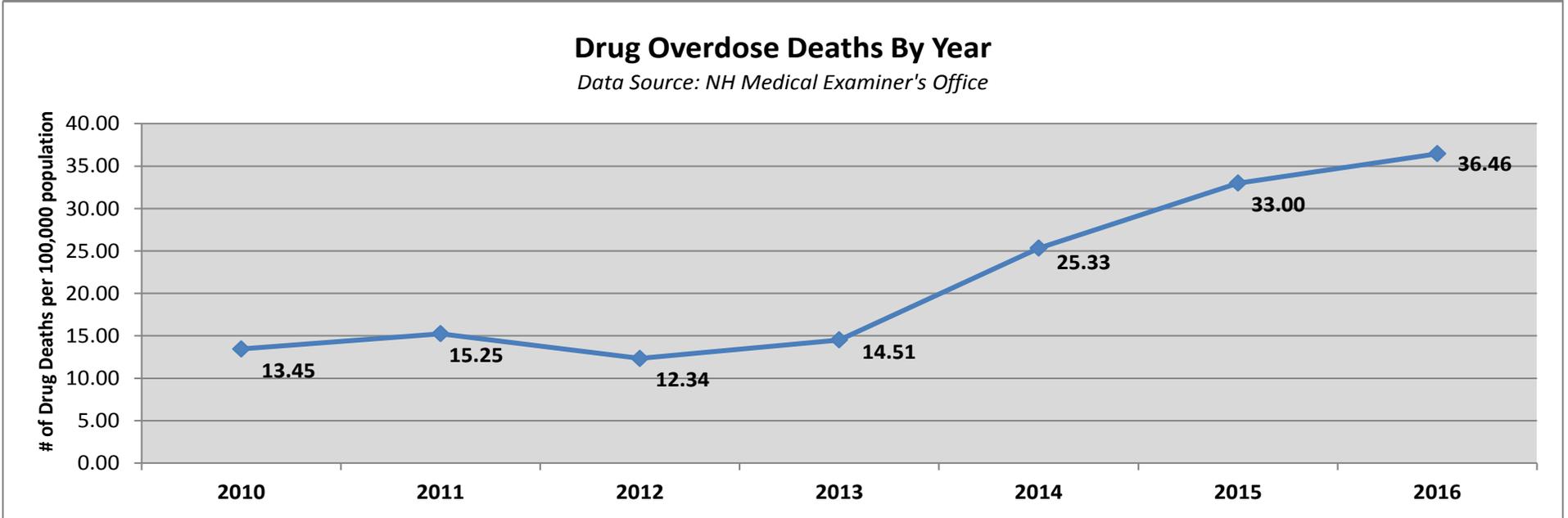
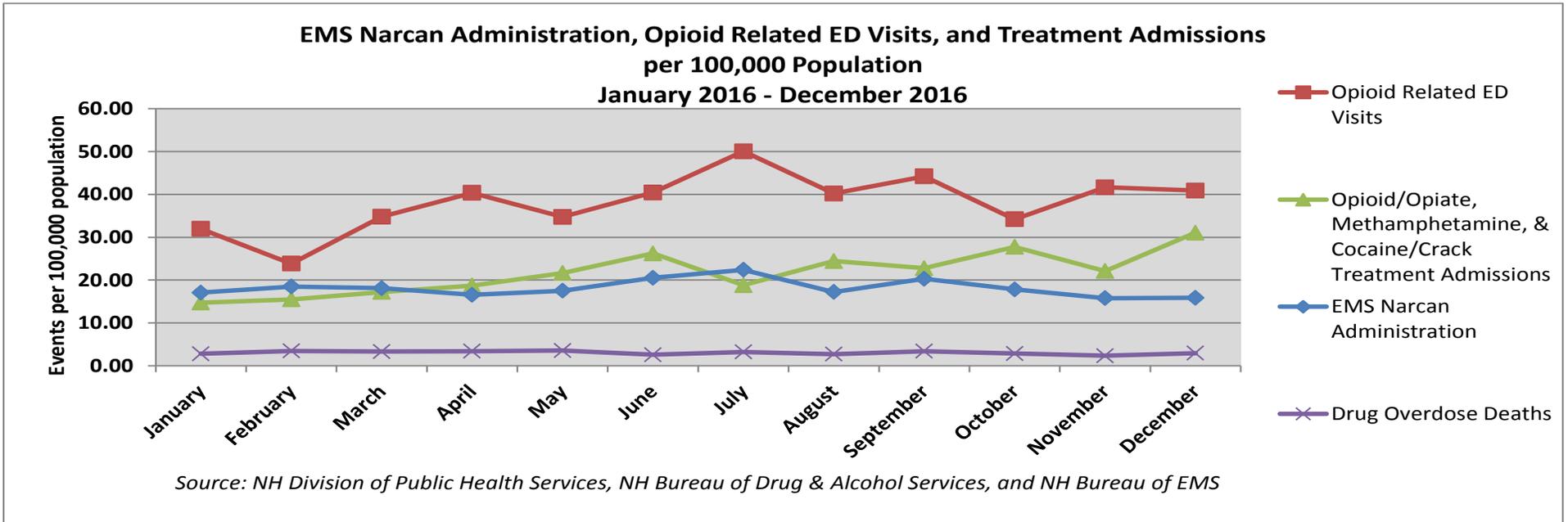
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⇒ Population data source: <http://www.nh.gov/oep/data-center/population-estimates.htm>

- 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:

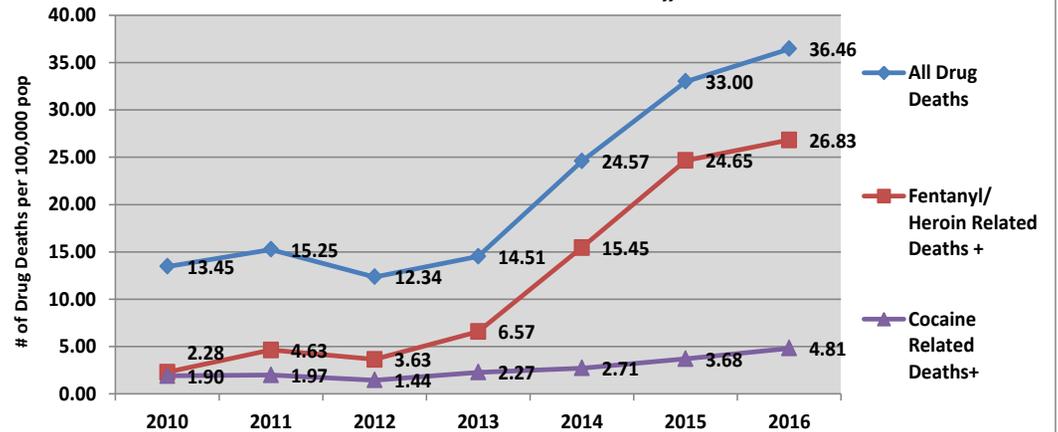
- Drug overdose deaths increased by 10.5% from 2015 to 2016.
- In 2016 Hillsborough County had the highest suspected location of drug use resulting in overdose deaths per capita at 4.92 deaths per 10,000 population.
- Strafford County had the second highest suspected location of drug use resulting in overdose deaths per capita at 4.39 deaths per 10,000 population.
- The age group with the largest number of drug overdose deaths is 30-39 which represents 30% of all overdose deaths for 2016.

***** 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

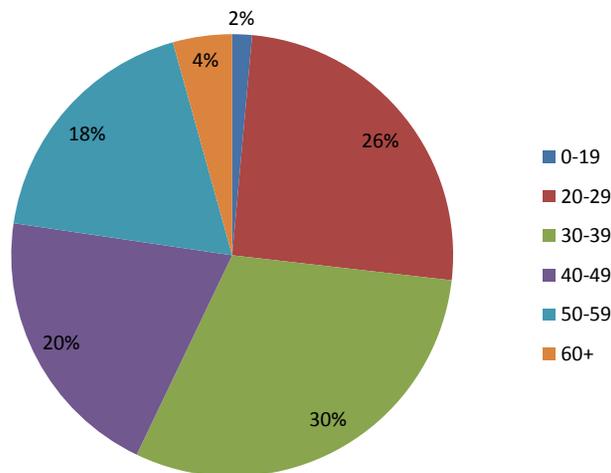
Data Source: NH Medical Examiner's Office



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

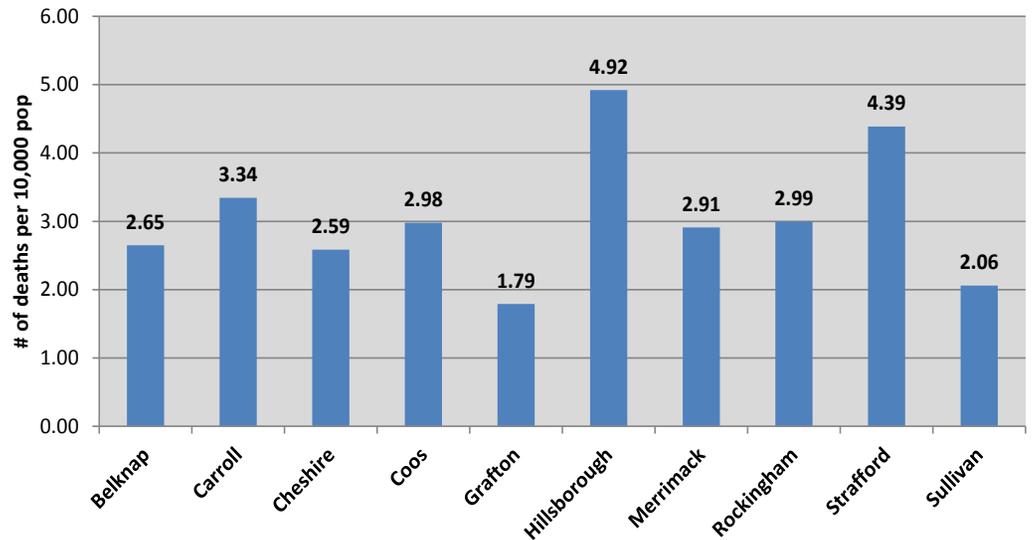
Overdose Deaths by Age 2016

Data Source: NH Medical Examiner's Office



2016 Overdose Deaths by County per 10,000 Population

Data Source: NH Medical Examiner's Office



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

	2013	2014	2015	January	February	March	April	May	June	July	August	September	October	November	December	2016
Total	192	332	439	37	46	44	45	47	34	43	36	45	38	31	39	485
County																
Belknap	8	17	17	1	1	3	1	2	0	2	1	3	0	0	2	16
Carroll	4	9	22	2	3	2	1	0	1	2	1	3	0	0	1	16
Cheshire	14	17	11	2	2	2	3	2	2	1	0	2	1	1	2	20
Coos	6	9	14	1	3	1	0	0	0	2	0	2	0	1	0	10
Grafton	13	17	13	0	3	2	0	2	2	1	2	1	2	0	1	16
Hillsborough	68	106	178	15	16	15	21	22	12	17	14	19	14	17	17	199
Merrimack	17	40	39	3	6	2	5	3	3	7	4	5	3	0	2	43
Rockingham	34	64	89	5	7	8	6	8	7	8	7	6	9	11	8	90
Strafford	25	40	47	2	5	8	7	6	6	1	5	3	7	0	4	55
Sullivan	4	4	8	4	0	0	0	2	1	1	0	1	0	1	0	9
Out of State	0	3	0	2	0	0	0	0	0	0	0	0	0	0	0	2
Not Determined	0	0	0	0	0	1	1	0	0	1	2	0	2	0	2	9
Gender																
Male	61	219	307	22	33	32	33	32	28	29	22	37	21	23	24	336
Female	132	107	131	15	13	12	12	15	6	14	14	8	17	8	15	149
Age																
0-19	3	3	8	0	0	0	0	2	0	1	2	0	1	0	1	7
20-29	40	79	110	6	11	14	12	12	11	11	5	15	9	8	9	123
30-39	32	80	116	13	16	13	11	18	15	14	7	9	9	10	12	147
40-49	52	67	99	9	9	8	11	3	3	10	10	9	11	9	6	98
50-59	51	78	91	7	8	7	7	11	2	7	11	10	7	4	8	89
60+	15	19	14	2	2	2	4	1	3	0	1	2	1	0	3	21

Overdose Deaths by Town* - 2016 (Data Source: NH Medical Examiner's Office)

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

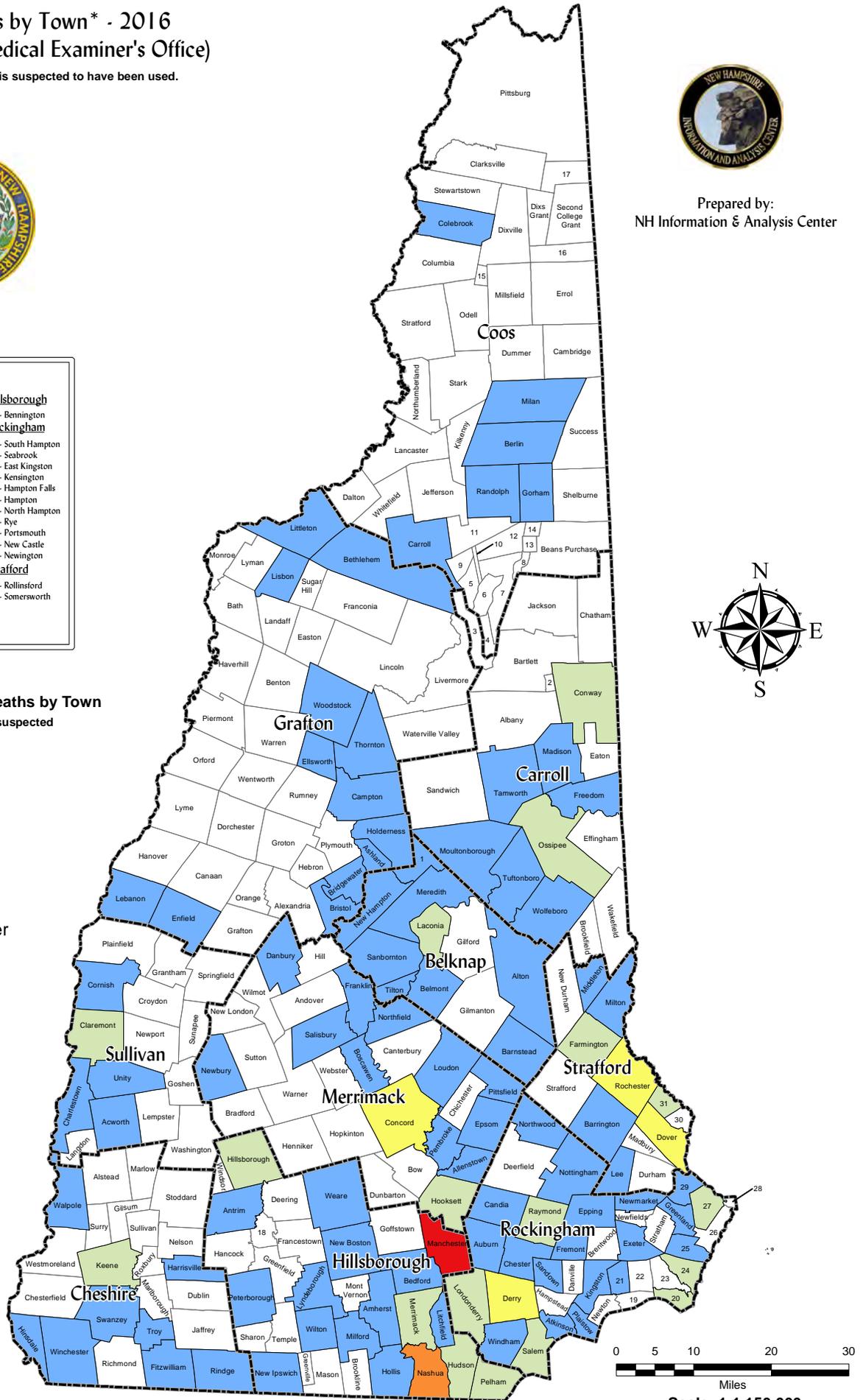
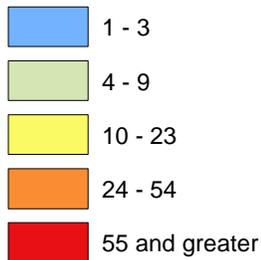


Prepared by:
NH Information & Analysis Center

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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 - Crawfords 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.



EMS Narcan Administration:

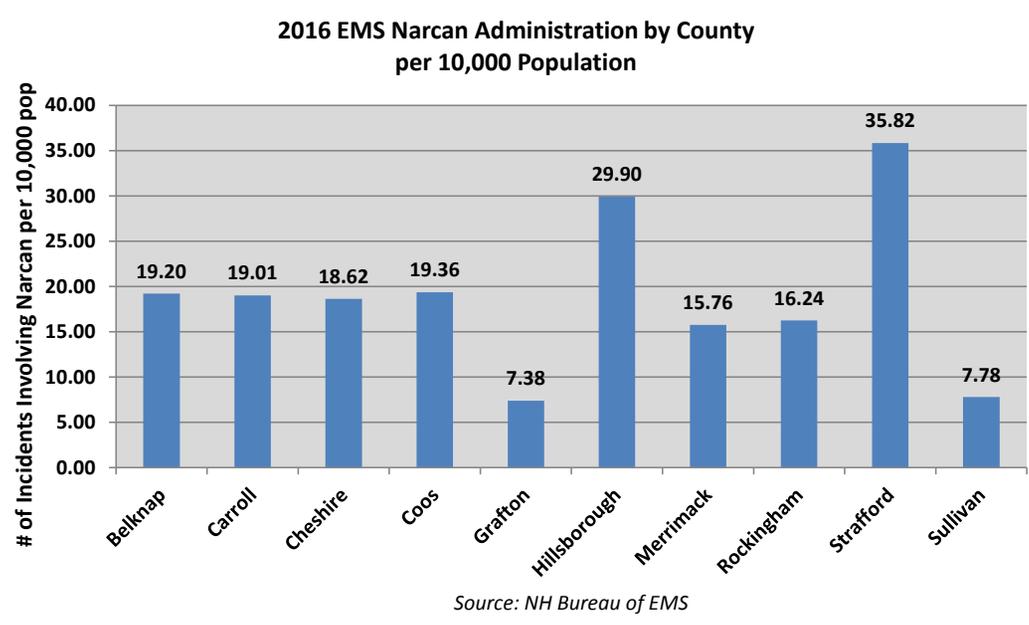
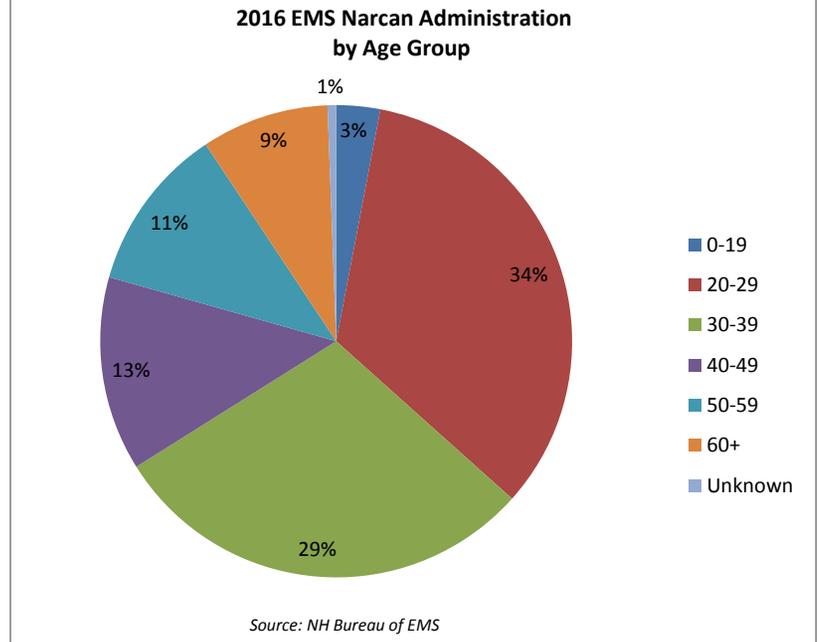
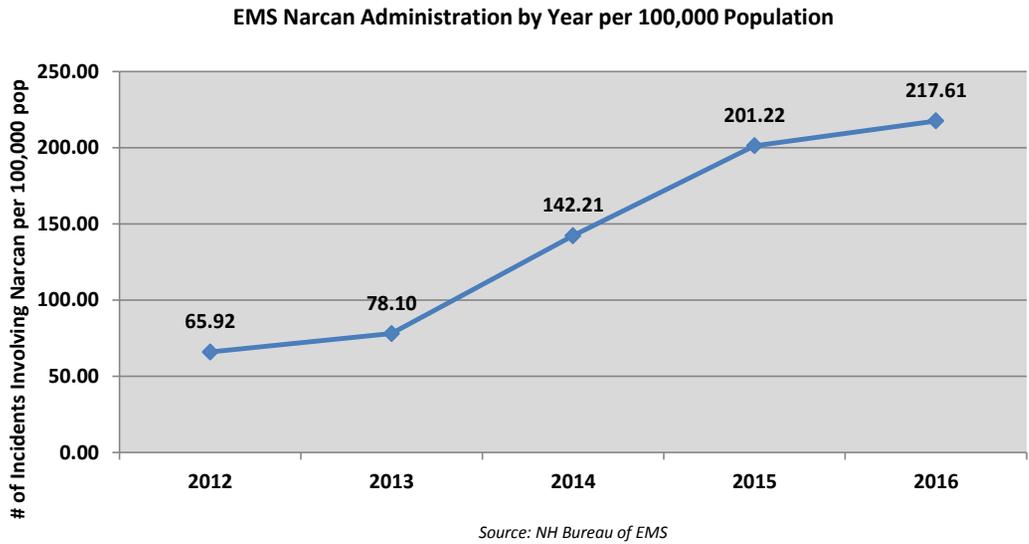
Data Source: NH Bureau of Emergency Medical Services (EMS)

Trends:

- EMS Narcan administration increased by 8% from 2015 to 2016.
- In 2016 Strafford County had the most EMS Narcan administration incidents per capita with 35.82 admissions per 10,000 population.
- The age group with the largest number of EMS Narcan administration incidents is 20-29 which represents 34% 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	273	298	229	270	237	210	211	2895
County																	
Belknap	50	39	59	113	7	5	6	12	13	6	19	8	7	8	11	14	116
Carroll	44	46	52	80	8	7	7	5	10	9	10	8	7	5	6	9	91
Cheshire	42	34	65	79	9	24	14	8	9	14	9	15	14	13	9	6	144
Coos	24	20	41	65	5	5	4	2	7	7	6	9	11	0	4	5	65
Grafton	32	47	56	57	4	8	3	7	9	5	5	4	4	6	4	7	66
Hillsborough	269	399	757	1139	107	96	102	95	88	106	135	78	101	128	83	90	1209
Merrimack	99	131	185	228	10	22	15	18	22	29	13	16	35	13	18	22	233
Rockingham	213	180	380	501	46	38	52	35	36	47	52	37	41	31	39	34	488
Strafford	86	131	286	380	29	39	36	37	37	43	47	51	42	33	33	22	449
Sullivan	18	12	11	35	2	2	2	1	2	7	2	3	8	0	3	2	34
Gender																	
Male	507	578	1185	1736	157	154	154	148	152	186	199	151	178	157	138	142	1916
Female	370	459	706	938	70	92	87	72	81	87	99	78	92	80	72	69	979
Age																	
0-19	43	41	83	94	7	4	7	8	7	2	6	7	11	12	11	5	87
20-19	186	239	588	954	77	91	88	65	58	115	112	68	90	79	62	68	973
30-39	153	177	428	684	74	58	76	71	71	74	93	58	81	63	75	59	853
40-49	141	192	304	364	29	44	35	30	34	23	34	35	34	38	18	31	385
50-59	147	185	233	314	18	30	21	28	39	21	29	37	34	25	18	27	327
60+	204	202	246	256	19	17	13	17	23	37	24	22	18	16	26	21	253
Age/Gender Not Given	3	3	10	11	3	2	1	1	1	1	0	2	2	4	0	0	17

EMS/Narcarn Administration by Town 1/1/2016 - 12/31/2016

Data Source: New Hampshire Bureau of EMS



Prepared by:
NH Information & Analysis Center

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Belknap

1 - Center Harbor

Carroll

2 - Hales Location

3 - Harts Location

Coos

4 - Hadleys Purchase

5 - Beans Grant

6 - Cutts Grant

7 - Sargents Purchase

8 - Pinkhams Grant

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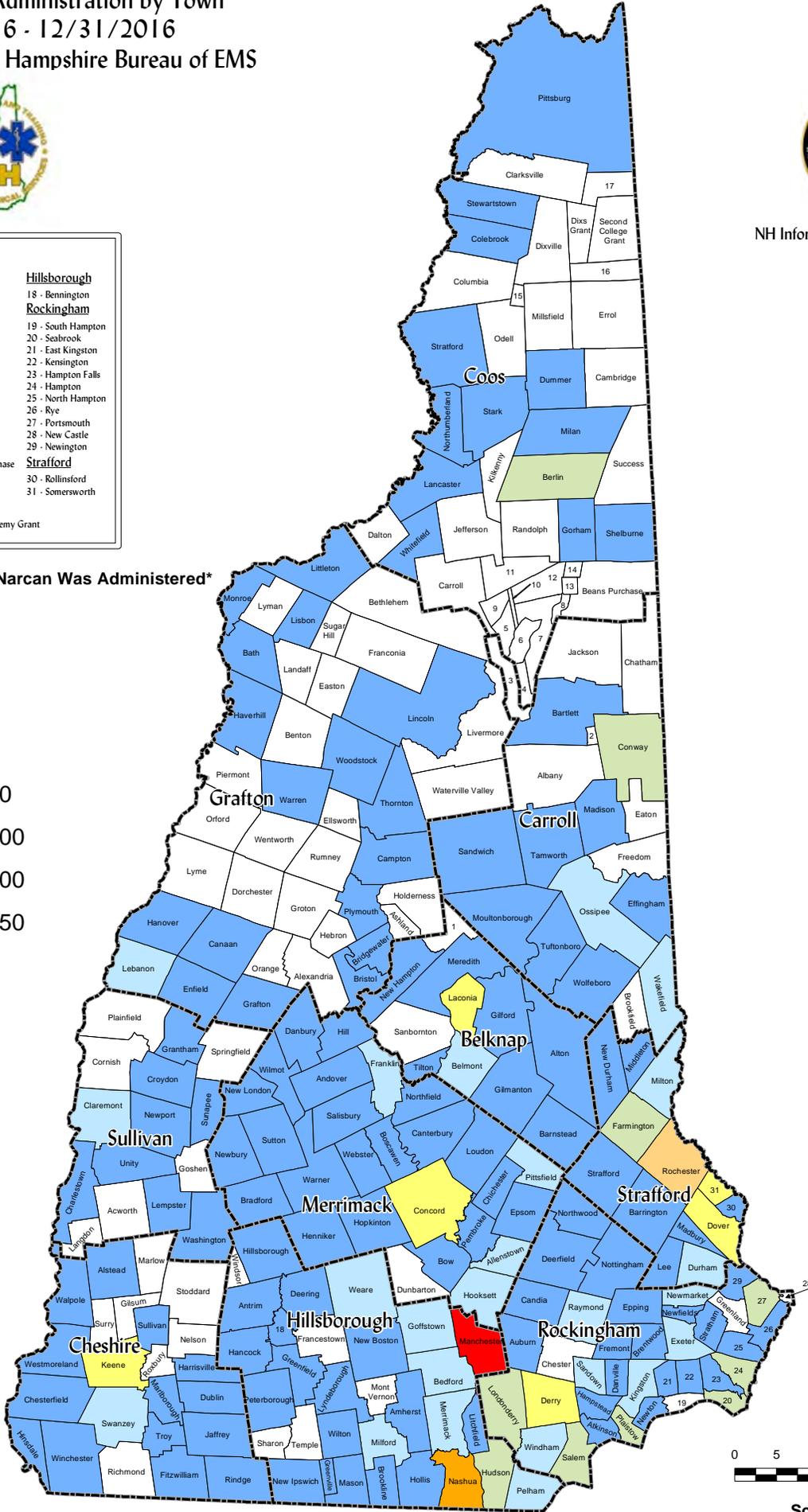
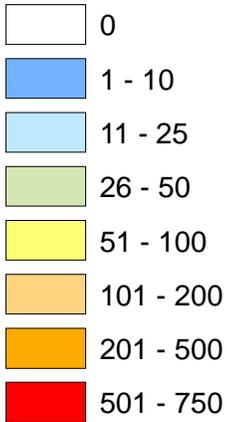
29 - Newington

Strafford

30 - Rollinsford

31 - Somersworth

Incidents Where Narcan Was Administered



Scale: 1:1,150,000

Opium Related Emergency Department Visits:

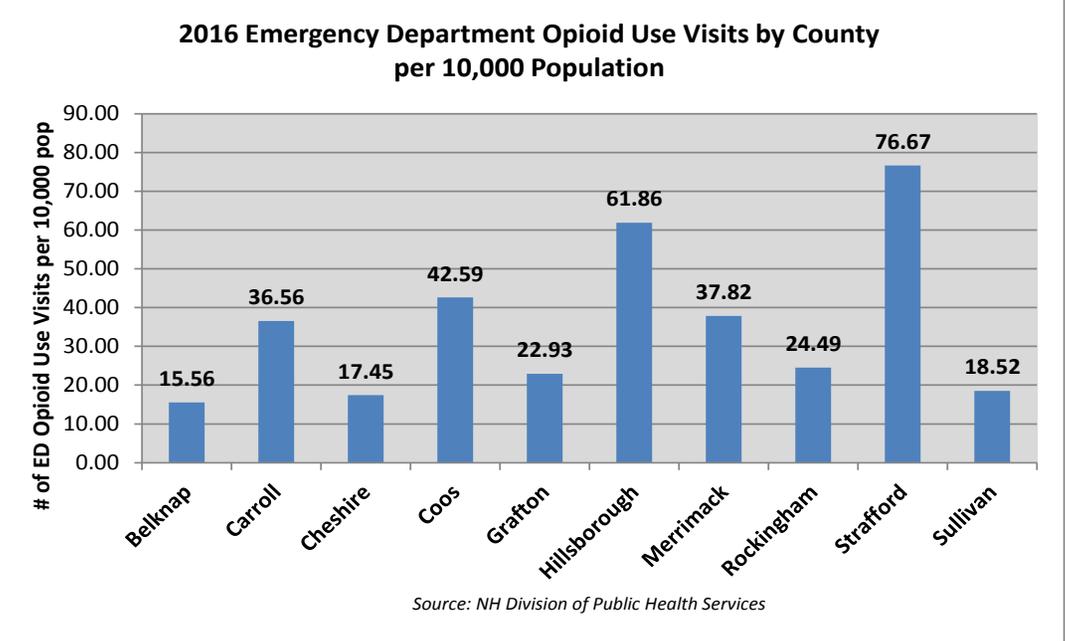
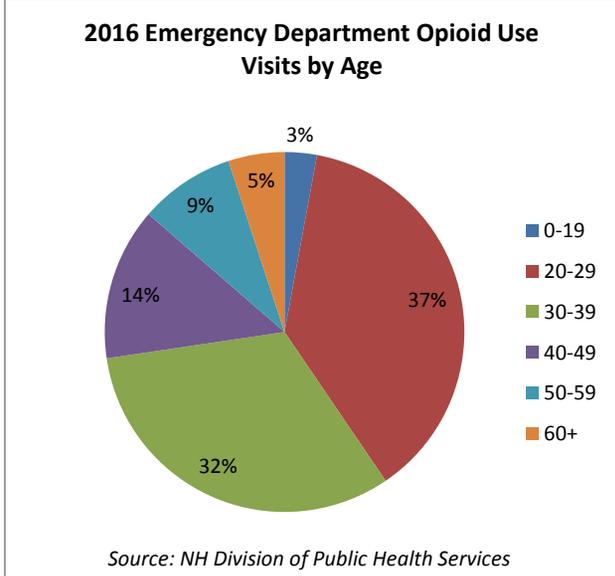
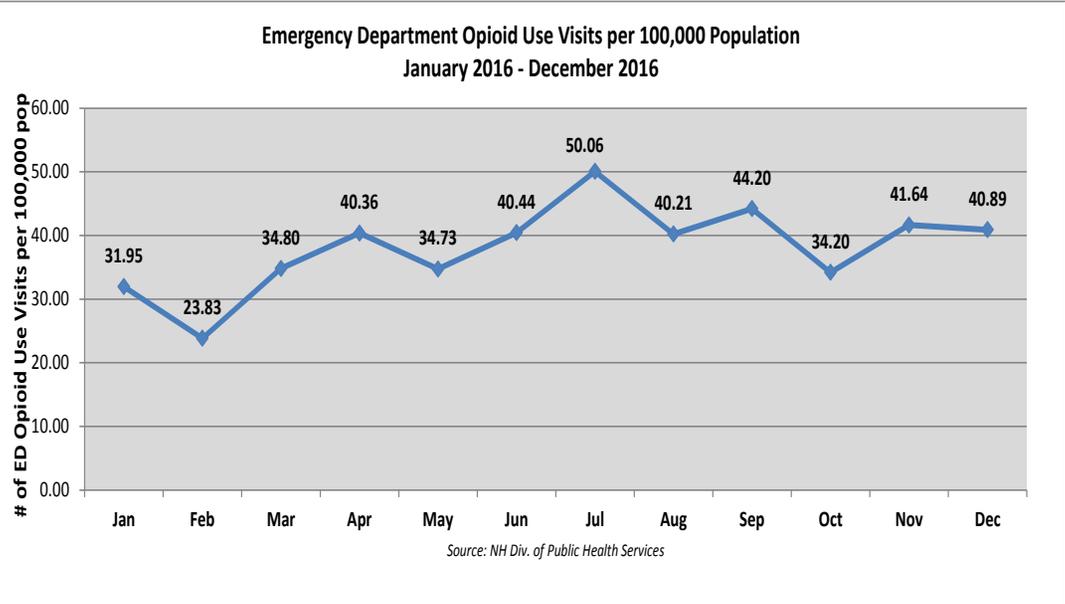
Data Source: NH Division of Public Health Services

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 37% 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.



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													
0-19	16	12	12	23	10	11	19	21	20	13	13	11	181
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

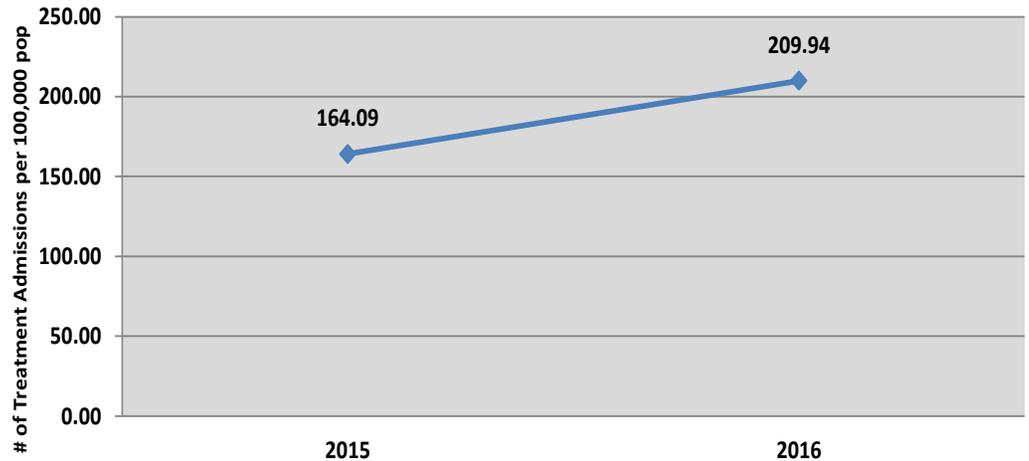
Trends:

- 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*****

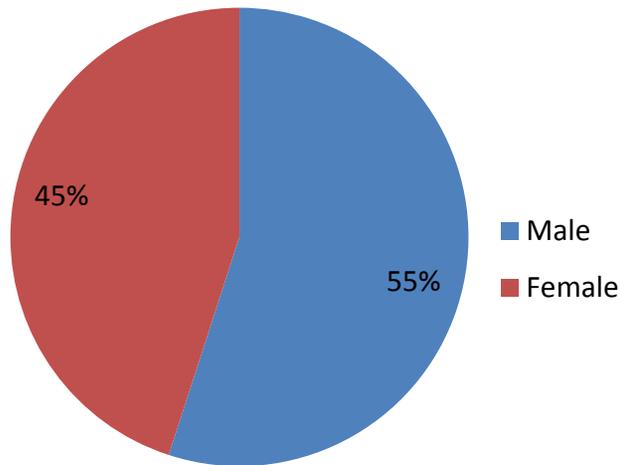
- County represents where the patient resides.
- These data represent treatment admissions to state funded facilities.

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



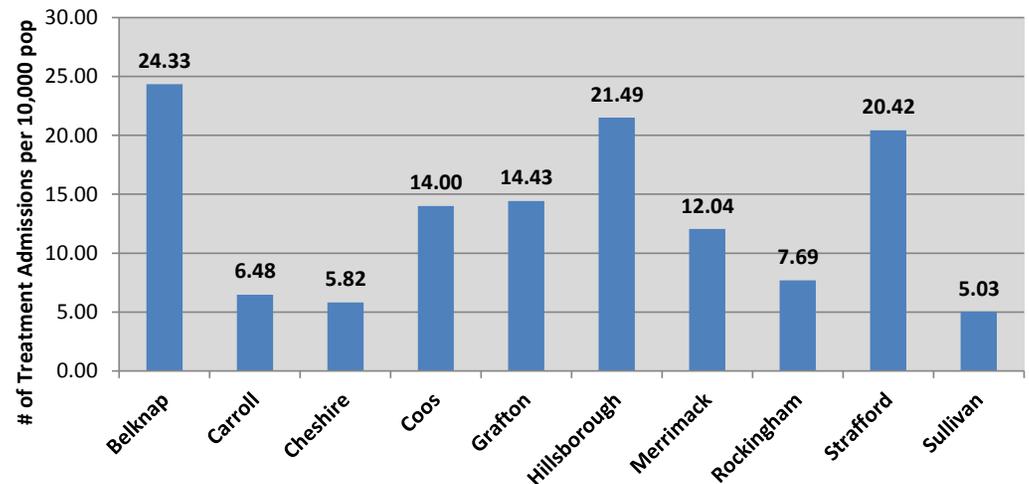
Source: NH Bureau of Drug & Alcohol Services

2016 Heroin & Rx Treatment Admissions by Gender



Source: NH Bureau of Drug & Alcohol Services

2016 Opioid/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