



New Hampshire Drug Monitoring Initiative

New Hampshire Information & Analysis Center

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NHIAC Product #: 2016-2824

December 2016 Report

13 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.

Drug Environment Report—UNCLASSIFIED

Table of Contents:

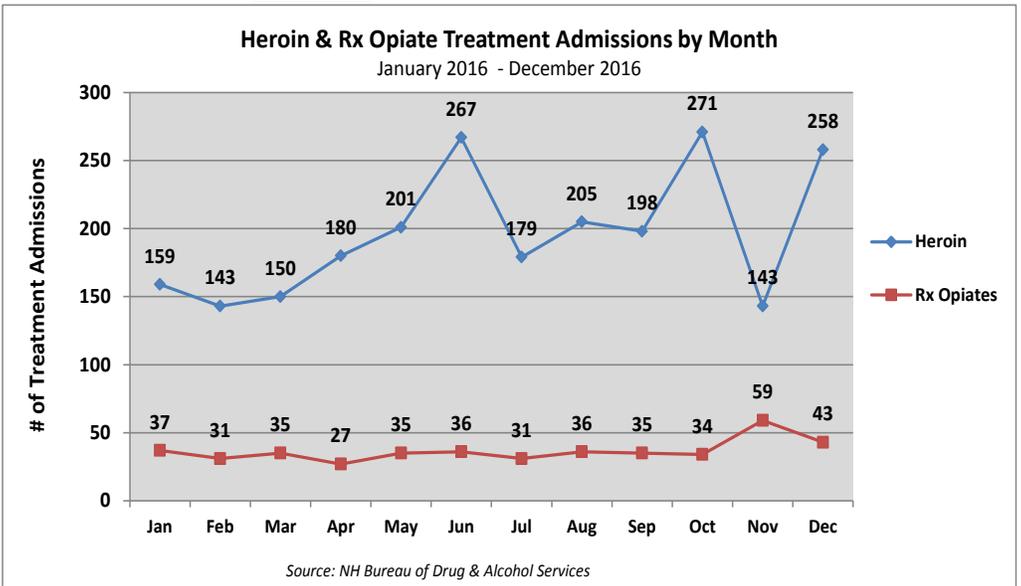
<u>Section Title</u>	<u>Page #</u>
Overview	2
Opioid Related Emergency Department Visits <i>Source: NH Division of Public Health Services</i>	3
Heroin and Rx Opiate Treatment Admissions <i>Source: NH Bureau of Drug & Alcohol Services</i>	5
EMS Narcan Administration <i>Source: NH Bureau of Emergency Medical Services (EMS)</i>	7
EMS Narcan Administration Map	9
Drug Overdose Deaths <i>Source: NH Medical Examiner's Office</i>	10
Drug Overdose Deaths Map	11
Situational Awareness	12
Substance Abuse Treatment/Recovery Directory <i>Source: NH Department of Health & Human Services</i>	13

Overview: Annual Trends for Treatment Admissions, EMS Narcan Incidents and Overdose Deaths:

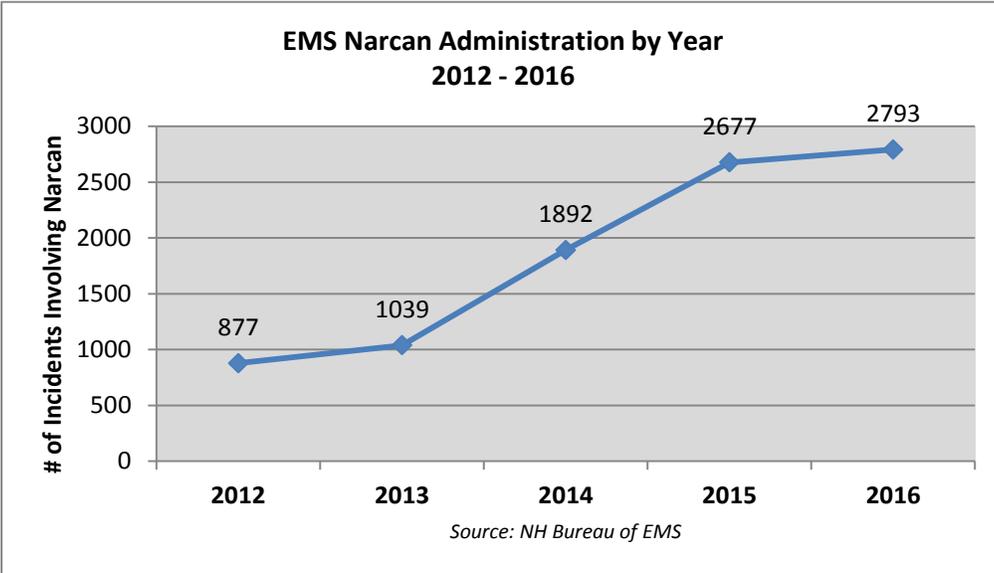
Annual Trends:

The chart at right (Heroin & Rx Opiate Treatment Admissions by Month January 2016 – December 2016) shows that the largest increase in heroin treatment admissions was from November to December with a 80% increase. The largest decrease was from October to November with a 47% decrease.

Unable to show annual trends as data is only available dating back to July 2014.



EMS Narcan Administration by Year 2012 - 2016



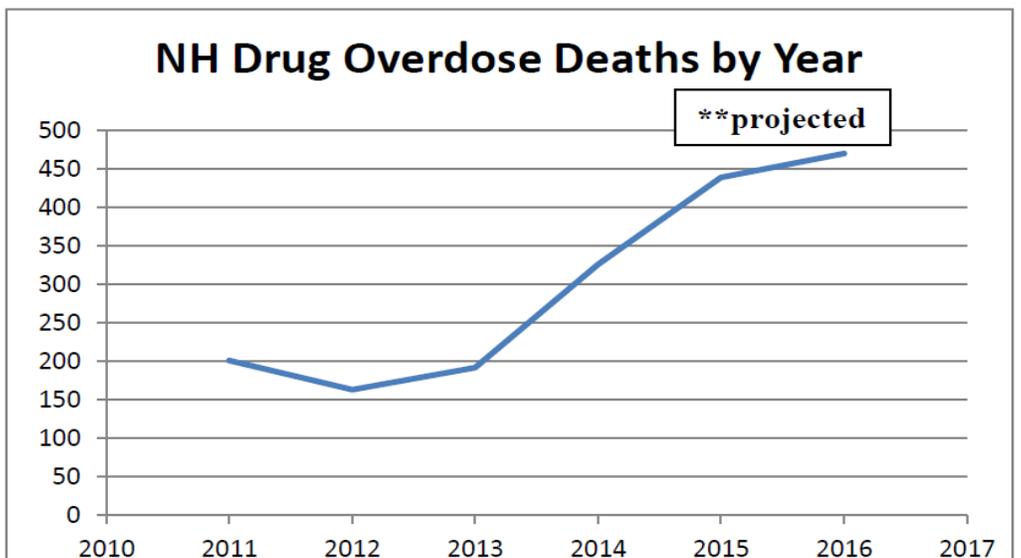
Annual Trends:

The chart at left (EMS Narcan Administration by Year 2012-2016) shows that from 2012 to 2015 there was a 203.7% increase in the number of incidents involving Narcan. The largest increase was from 2013 to 2014 with an 83% increase in incidents involving Narcan administration. From 2015 to 2016 there has been a 2.5% increase.

Annual Trends:

The chart at right (NH Drug Overdose Deaths by Year) shows that from 2013 to 2015 there was a 128.6% increase in the number of all drug overdose deaths. The Office of the Chief Medical Examiner projects that there will be **470** drug related deaths in 2016.

Source: Office of the Chief Medical Examiner

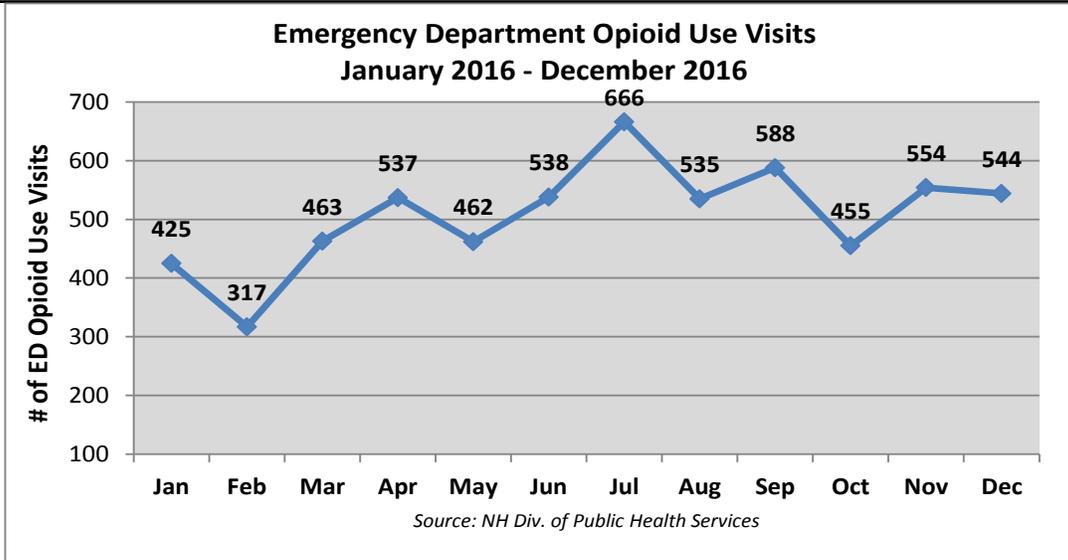


Opioid Related Emergency Department Visits*:

Data Source: NH Division of Public Health Services

IMPORTANT NOTE— Data Source Change!!! The ER visit data has been expanded beyond heroin to include all opioids. Also in addition to a query of the chief complaint text, the Division of Public Health is conducting queries on ICD-10 diagnostic codes designated for heroin and opioids. This results in an apparent increase in the number of ER visits, which is NOT necessarily indicative of an actual increase, but rather due to a more representative way of tracking the information using ICD-10 codes beginning in October of 2015.

Monthly Trends: The chart below (ED Opioid Use Visits January 2016—December 2016) is based on the new query method described above. There was a 2% decrease in Opioid ED visits from November to December.

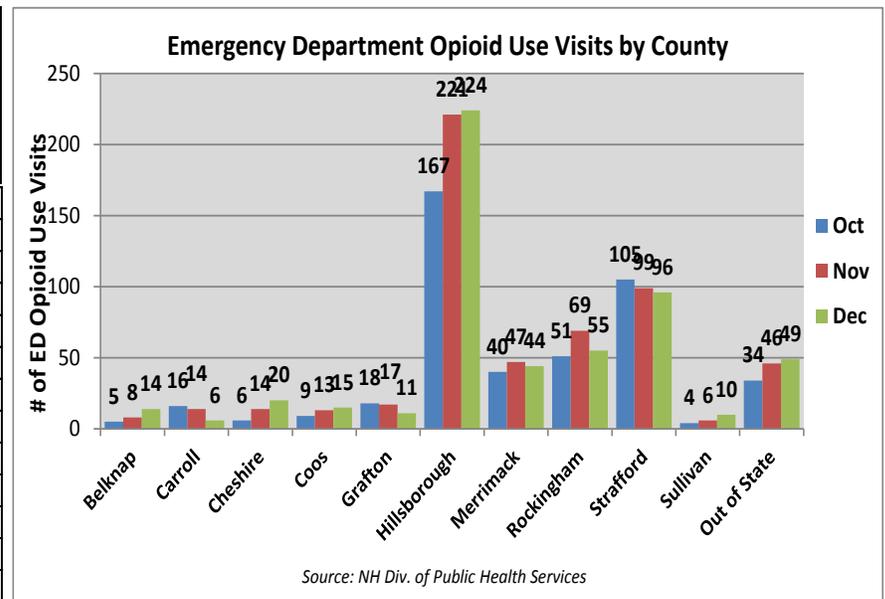


Geographic Trend: The following information identifies observable trends in opioid related Emergency Department visits on the basis of county of residence.

Top Counties for December:
 1. Hillsborough 2. Strafford

Largest % increase from Nov to Dec:
 1. Belknap

County	Oct	Nov	Dec	% Change
Belknap	5	8	14	75%
Carroll	16	14	6	-57%
Cheshire	6	14	20	43%
Coos	9	13	15	15%
Grafton	18	17	11	-35%
Hillsborough	167	221	224	1%
Merrimack	40	47	44	-6%
Rockingham	51	69	55	-20%
Strafford	105	99	96	-3%
Sullivan	4	6	10	67%
Out of State	34	46	49	7%
TOTAL	455	554	544	-2%



NOTE: County represents where the opioid use patient resides

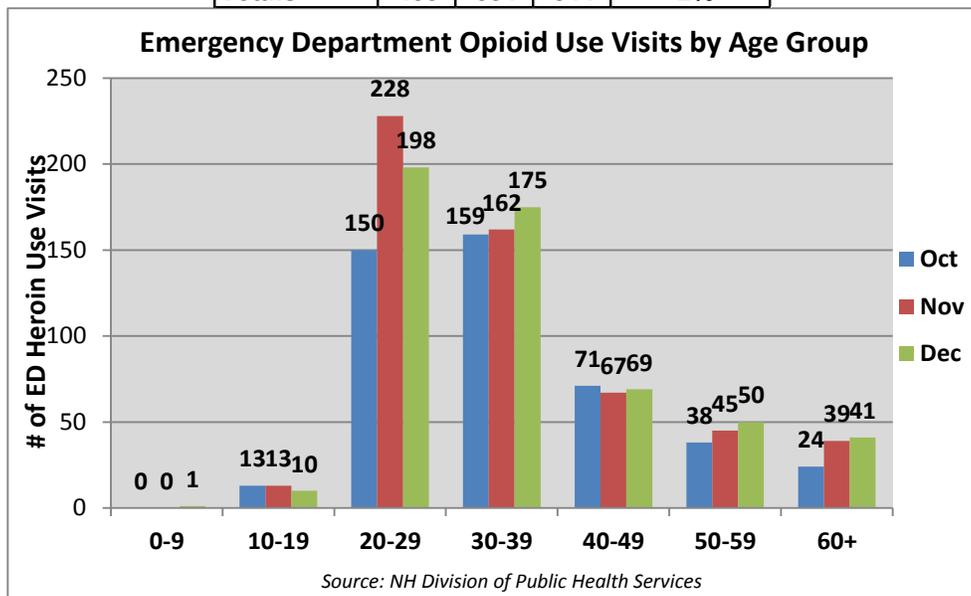
*The source of these data are New Hampshire’s Automated Hospital Emergency Department Data system, which includes all emergency department encounters from 26 acute care hospitals in New Hampshire. These data represent any encounter with the term “heroin, opioid, opiate, or fentanyl” listed as chief complaint text and may represent various types of incidents including accidental poisonings, suicide, or other related types of events. 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. Chief complaint and ICD-10 codes were combined to capture the maximum representation of opioid data in NH hospitals and de-duplicated so encounters could only be counted once for a visit.

Opioid Related Emergency Department Visits (Continued):

Demographic Trends: The following information identifies observable trends in opioid related Emergency Department visits on the basis of age and gender of patients.

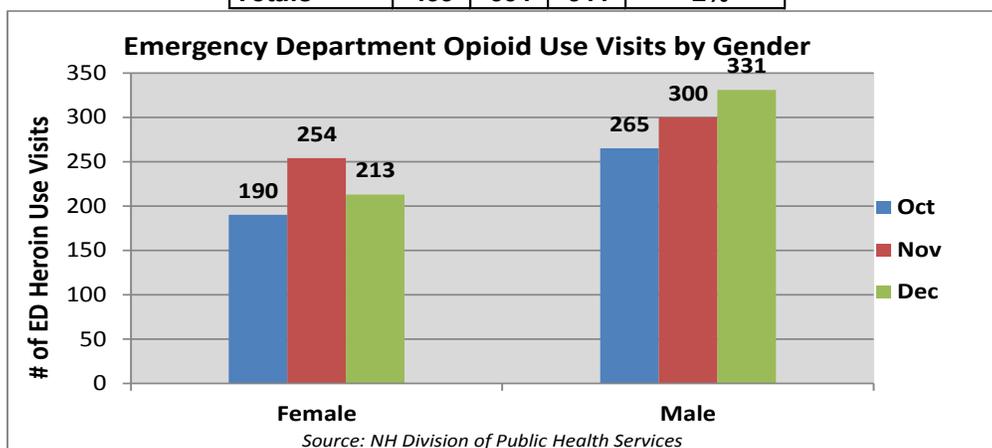
Age Trends: The age groups with the largest number of Opioid related emergency department visits for December were 20-29 and 30-39 years of age. The largest percent increase from November to December was 50-59 years of age with an 11% increase.

Age	Oct	Nov	Dec	% Change
0-9	0	0	1	Incalculable
10-19	13	13	10	-23%
20-29	150	228	198	-13%
30-39	159	162	175	8%
40-49	71	67	69	3%
50-59	38	45	50	11%
60+	24	39	41	5%
Totals	455	554	544	-2%



Gender Trends: The gender with the largest number of opioid related emergency department visits for December was male. The largest percent increase from November to December was male with a 10% increase. Female opioid related emergency department visits decreased by 16% from November to December.

Gender	Oct	Nov	Dec	% Change
Female	190	254	213	-16%
Male	265	300	331	10%
Totals	455	554	544	-2%



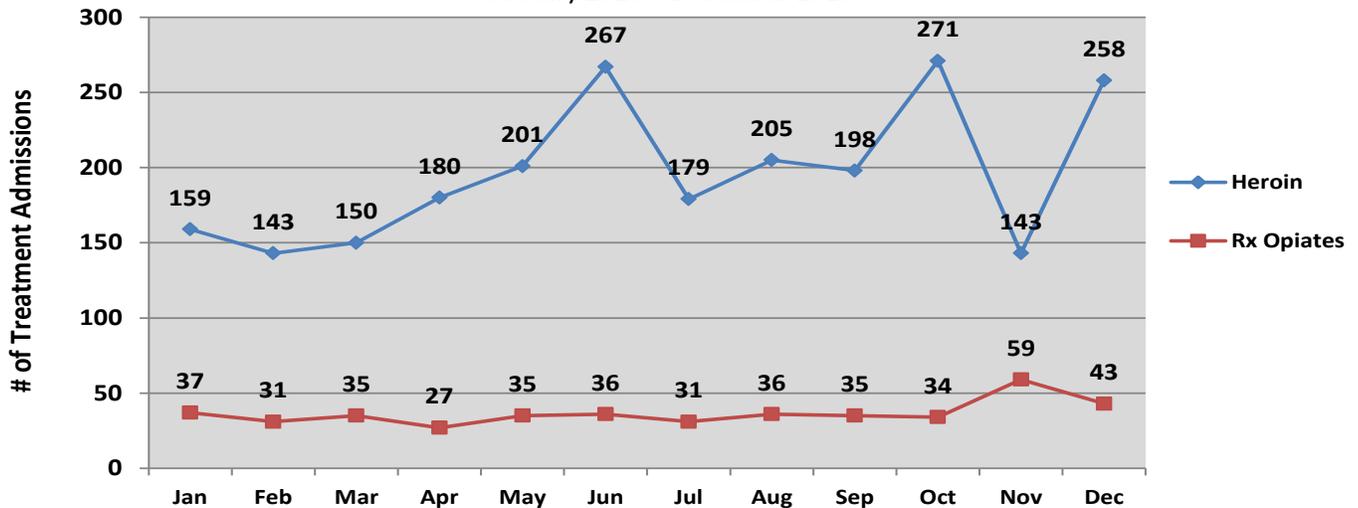
Heroin & Rx Opiate Treatment Admissions:

Data Source: NH Bureau of Drug & Alcohol Services

Monthly Trends: As displayed in the charts below, the number of admissions for prescription opiates decreased by 27% from November to December. When combining the number of heroin and prescription opiate treatment admissions, the overall number of admissions increased by 49% from November to December. **It is unknown what attributed to the large increase in admissions for the months of Jun and Oct or the large decrease of admissions for the month of November.** Although, there have been new initiatives put in place to make treatment more available.

Heroin & Rx Opiate Treatment Admissions by Month

January 2016 - December 2016

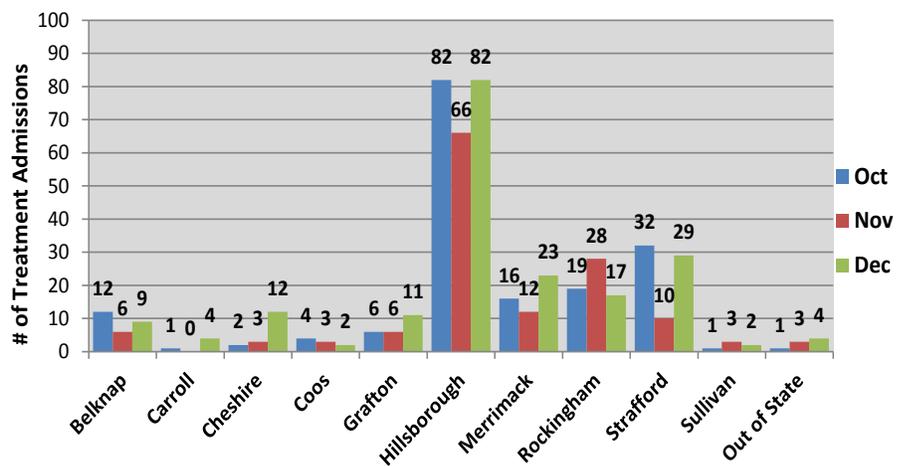


Source: NH Bureau of Drug & Alcohol Services

Geographic Trends: The county with the largest number of residents admitted to a treatment program for heroin or prescription opiates during the month of December was Hillsborough. Rockingham county experienced the largest percent decrease with a decrease of 39% in the number of residents admitted to treatment programs from November to December. Cheshire county had the largest percent increase with an increase of 300% during the same time period.

County	Oct	Nov	Dec	% Change
Belknap	12	6	9	50%
Carroll	1	0	4	Incalculable
Cheshire	2	3	12	300%
Coos	4	3	2	-33%
Grafton	6	6	11	83%
Hillsborough	82	66	82	24%
Merrimack	16	12	23	92%
Rockingham	19	28	17	-39%
Strafford	32	10	29	190%
Sullivan	1	3	2	-33%
Out of State	1	3	4	33%
Not provided	129	62	106	71%
Totals	305	202	301	49%

Heroin & Rx Opiate Treatment Admissions by County



Source: NH Bureau of Drug & Alcohol Services

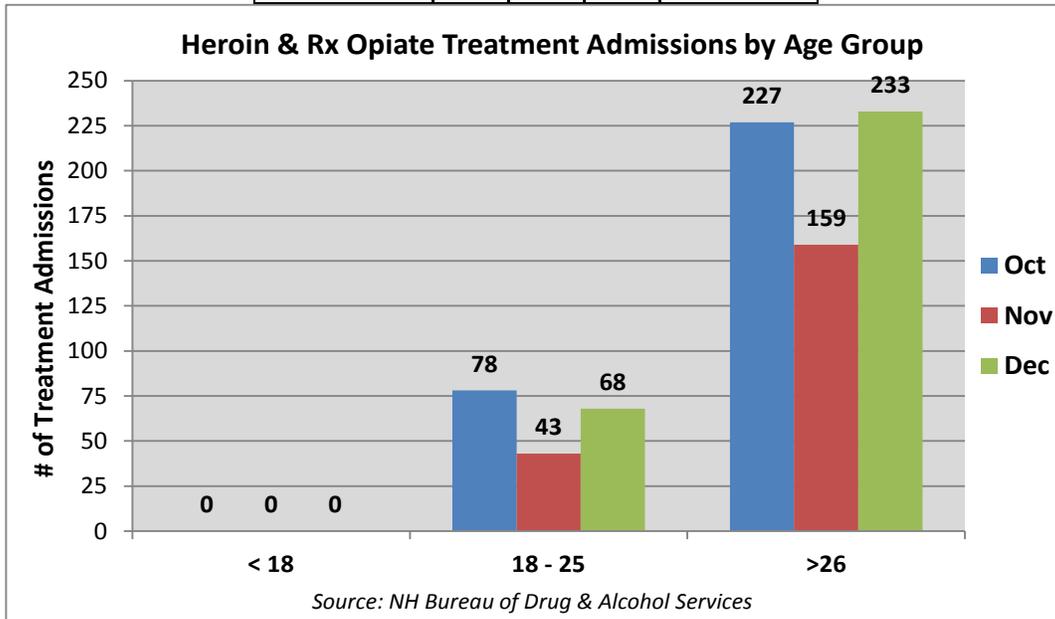
NOTE: County represents where the patient resides

Heroin & Rx Opiate Treatment Admissions (Continued):

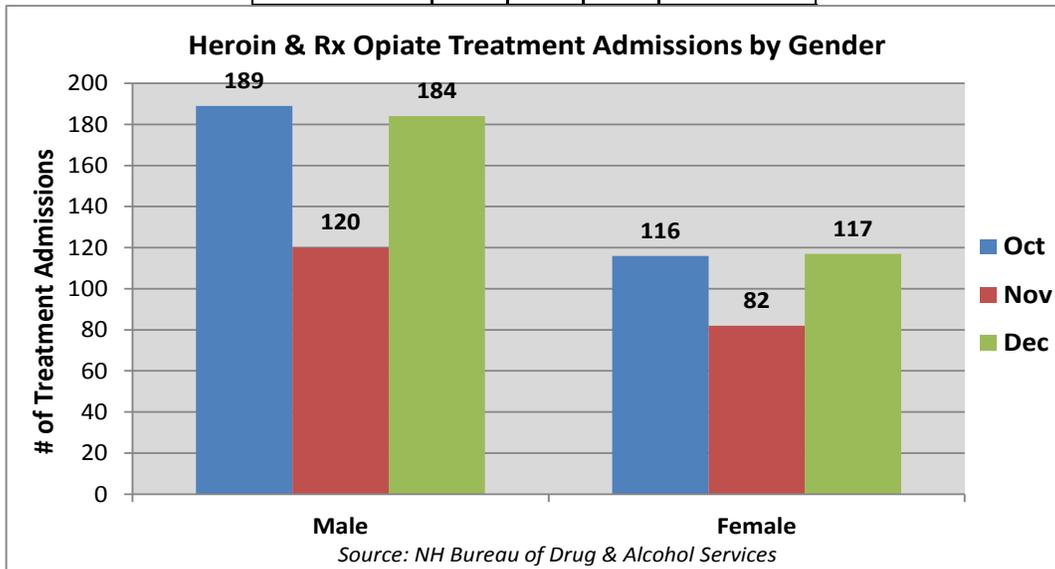
Demographic Trends: Treatment admissions for heroin and prescription opiates usage was broken down by age and gender as displayed in the charts below. Individuals 26 years of age or older exhibited the highest number of treatment admissions during the months of October, November and December.

- There were more males than females admitted to treatment programs during the month of December. The number of males admitted to treatment programs increased by 53% from November to December and the number of females admitted to treatment programs increased by 43% during the same time period.

Age Group	Oct	Nov	Dec	% Change
< 18	0	0	0	Incalculable
18 - 25	78	43	68	58%
>26	227	159	233	47%
Totals	305	202	301	49%



Gender	Oct	Nov	Dec	% Change
Male	189	120	184	53%
Female	116	82	117	43%
Totals	305	202	301	49%



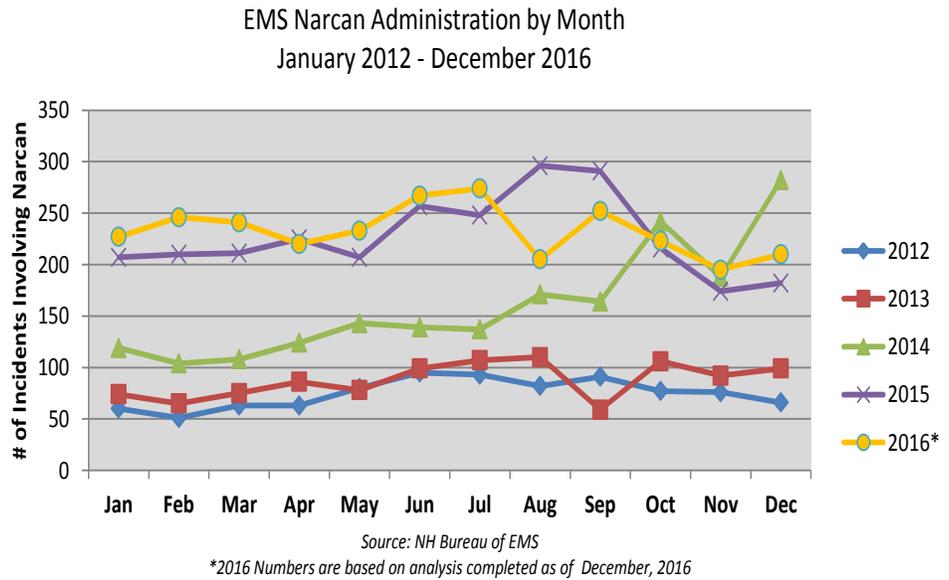
EMS Narcan Administration*:

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

Monthly Trends:

Incidents involving EMS Narcan administration increased by 8% from November 2016 to December 2016.

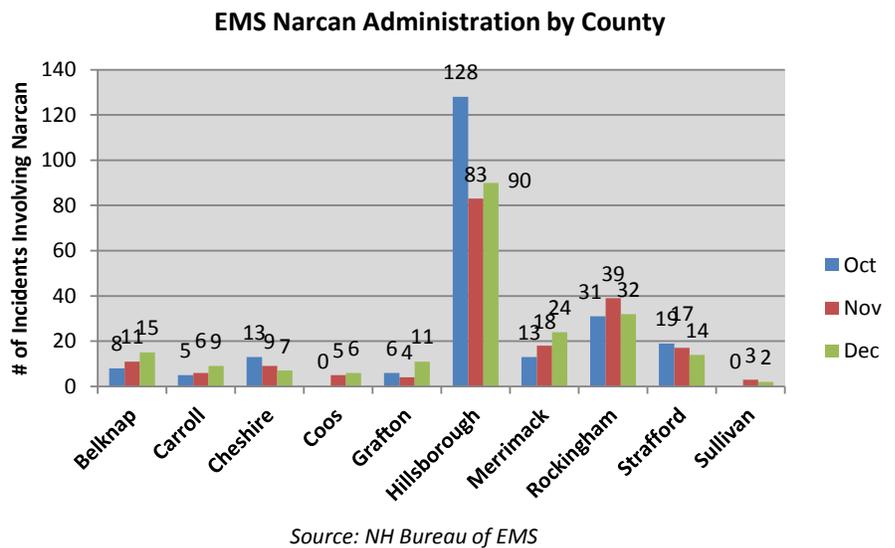
(Note: Narcan is administered in cases of cardiac arrest when the cause of the arrest cannot be determined. It therefore cannot be concluded that all of the reported Narcan cases involved drugs.)



Geographic Trends: The following chart displays the number of incidents involving Narcan administration by county for the months of October, November and December. The county with the largest number of incidents involving Narcan administration for all three months is Hillsborough County with 128, 83 and 90 incidents, respectively. The largest percent increase in the number of incidents involving Narcan between November and December was observed in Grafton County with a 175% increase. The largest percentage decrease in Narcan administrations was seen in Sullivan County with a 33% decrease.

See page 9 for a map of EMS Narcan Administration Incidents by Town for the last 12 months, January 2016 through December 2016.

County	Oct	Nov	Dec	% Change
Belknap	8	11	15	36%
Carroll	5	6	9	50%
Cheshire	13	9	7	-22%
Coos	0	5	6	20%
Grafton	6	4	11	175%
Hillsborough	128	83	90	8%
Merrimack	13	18	24	33%
Rockingham	31	39	32	-18%
Strafford	19	17	14	-18%
Sullivan	0	3	2	-33%
Total	223	195	210	8%



*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.

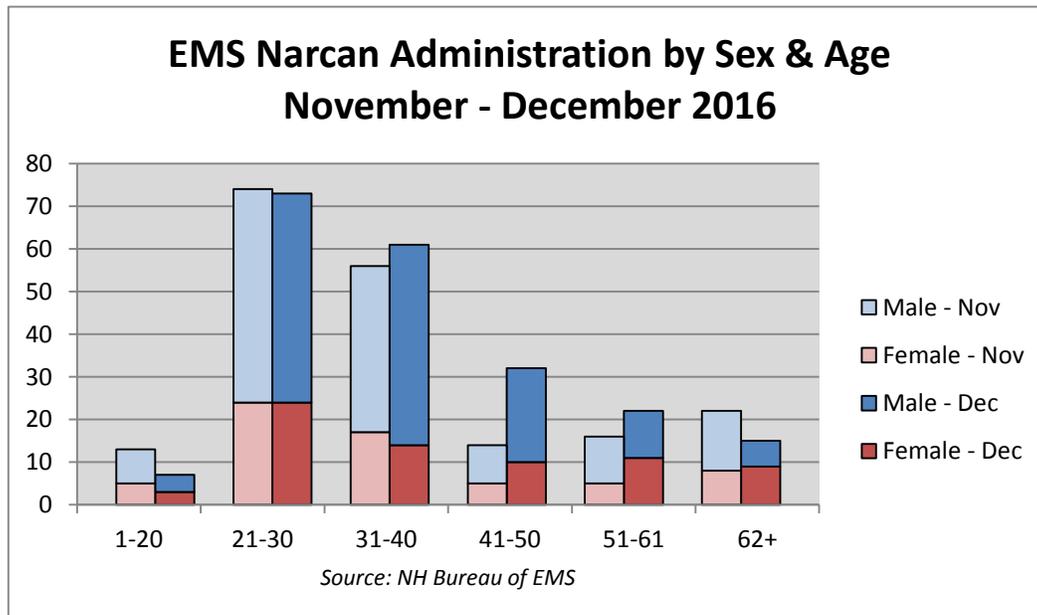
EMS Narcan Administration* (Continued):

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

Demographic Trends: EMS incidents involving Narcan Administration were broken down by age and gender as displayed in the charts below. Males and females 21-40 years of age were administered Narcan the most often during the months of October, November and December.

- More males than females were administered Narcan during the months of October, November and December. The number of males that were administered Narcan increased by 6% from November to December and the number of females administered Narcan increased by 11% during the same time period.

Age	October		November		December	
	Male	Female	Male	Female	Male	Female
1-20	11	6	8	5	4	3
21-30	51	24	50	24	49	24
31-40	42	15	39	17	47	14
41-50	22	13	9	5	22	10
51-61	14	8	11	5	11	11
62+	5	8	14	8	6	9
Total	145	74	131	64	139	71



*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.

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

Data Source: New Hampshire Bureau of EMS

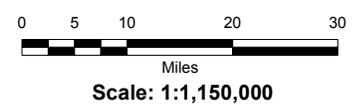
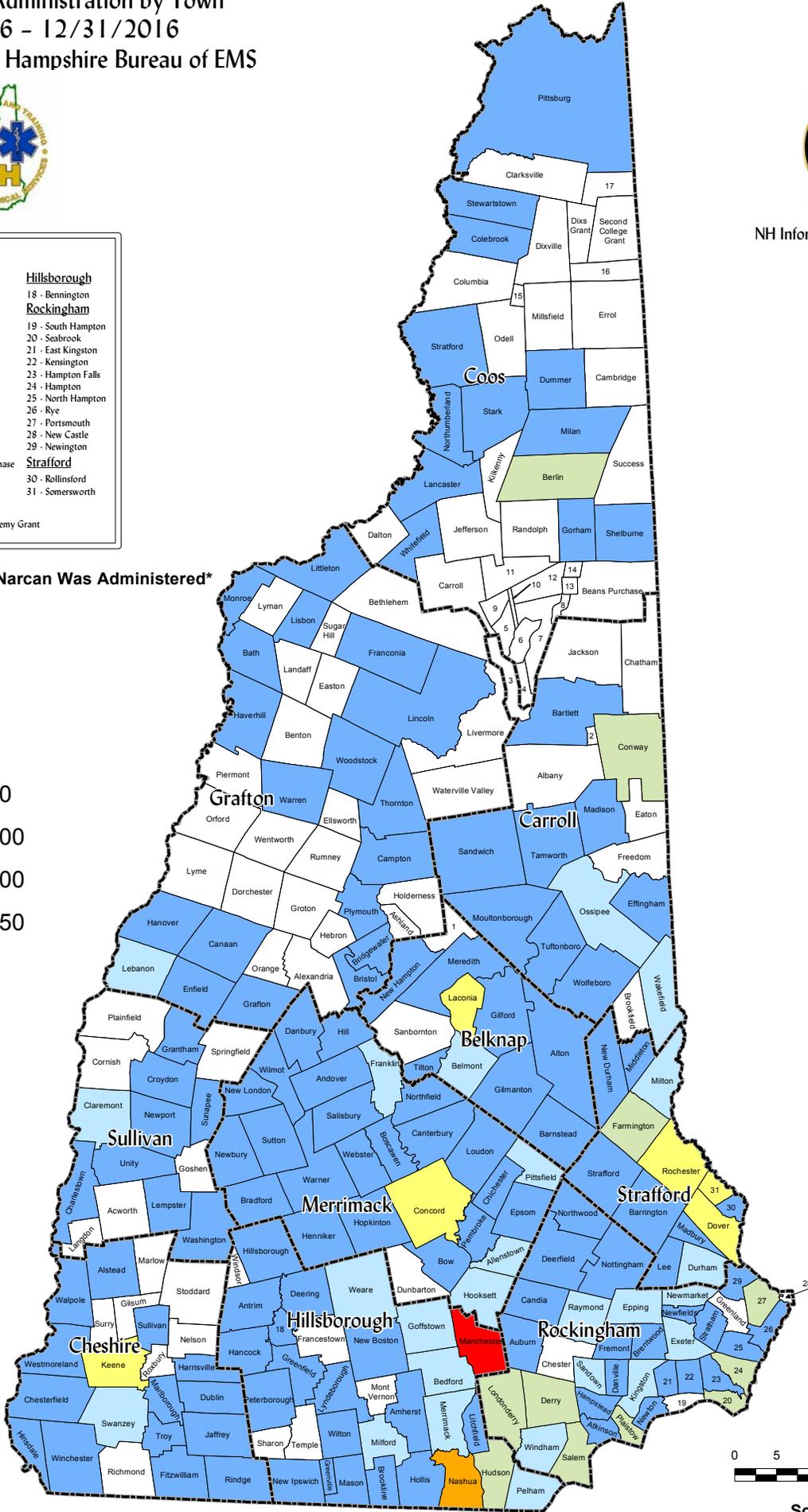
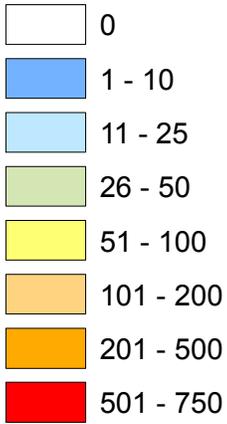


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INDEX

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 - Sargentis 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 - Erving Grant	
16 - Wentworth Location	
17 - Atkinson & Gilmanton Academy Grant	

Incidents Where Narcan Was Administered



Drug Overdose Deaths:

Data Source: NH Medical Examiner's Office

Annual Trends: The chart below displays overdose deaths annually from 2010 through 2016. 2016 numbers are as of 4 January 2017. There are **85** cases from 2016 "pending toxicology". The projected number of drug related deaths for 2016 is **470**. **See page 11 for a map of 2016 overdose deaths by town where the individual is believed to have used the drug(s).**

+Heroin and Fentanyl Related deaths are not mutually exclusive, several deaths involved both drugs.

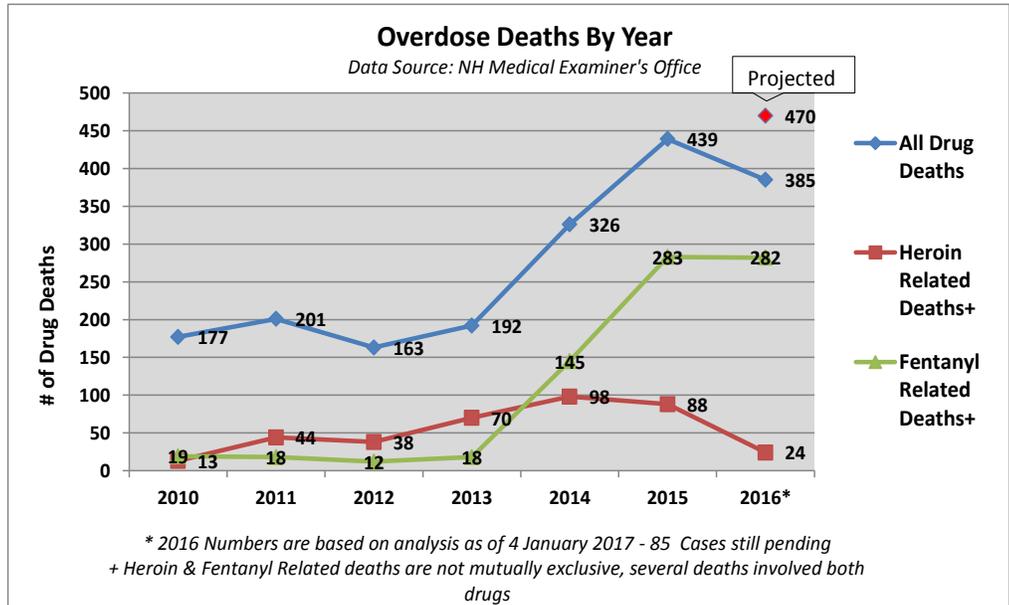
Year	All Drug Deaths	Heroin Related Deaths+	Fentanyl Related Deaths+
2010	177	13	19
2011	201	44	18
2012	163	38	12
2013	192	70	18
2014	326	98	145
2015	439	88	283
2016*	385	24	282

*numbers reported as of 1/4/2017

Fentanyl Analogues in NH in 2016:

- U-47700—2 Deaths
- Furanyl Fentanyl—2 deaths
- Acetyl Fentanyl—34 deaths
- Fluoro-fentanyl—2 deaths
- Acetyl fentanyl and furanyl fentanyl—1 death

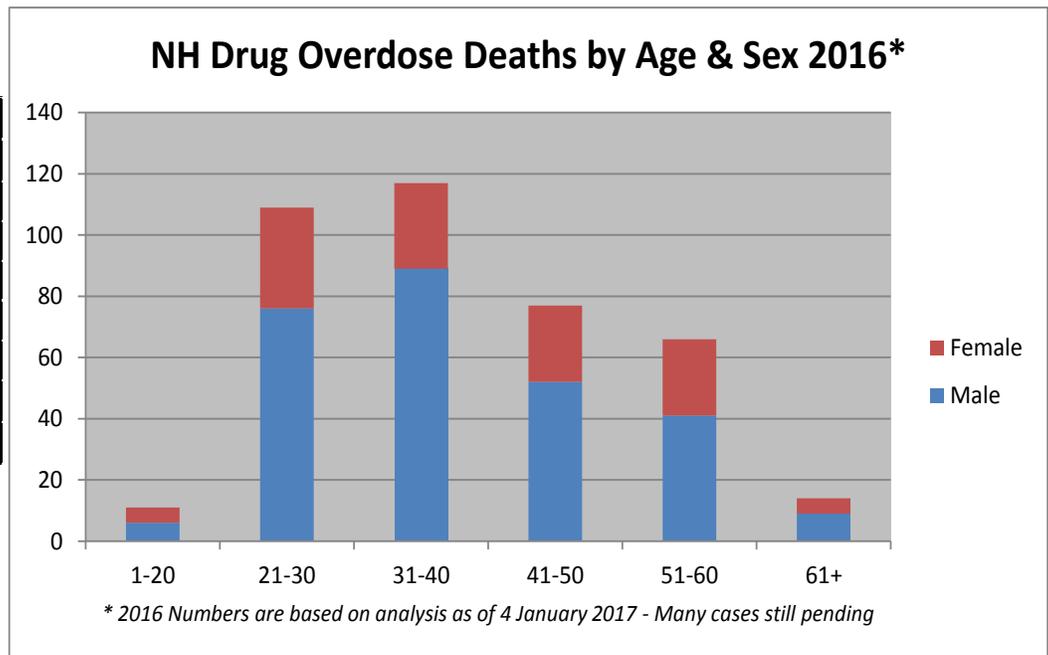
Source: Office of the Chief Medical Examiner



* 2016 Numbers are based on analysis as of 4 January 2017 - 85 Cases still pending + Heroin & Fentanyl Related deaths are not mutually exclusive, several deaths involved both drugs

Age	2016	
	Male	Female
1-20	6	5
21-30	76	33
31-40	89	28
41-50	52	25
51-60	41	25
61+	9	5
Total	273	121

*2016 Numbers are based on analysis as of 4 January 2017



* 2016 Numbers are based on analysis as of 4 January 2017 - Many cases still pending

Overdose Deaths by Town* - 2016+

(Data Source: NH Medical Examiner's Office)

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

+2016 data was reported on January 4, 2017
There are many more deaths that are suspected to be drug related, but the official cause of death is pending until the toxicology results are received.



Prepared by:
NH Information & Analysis Center

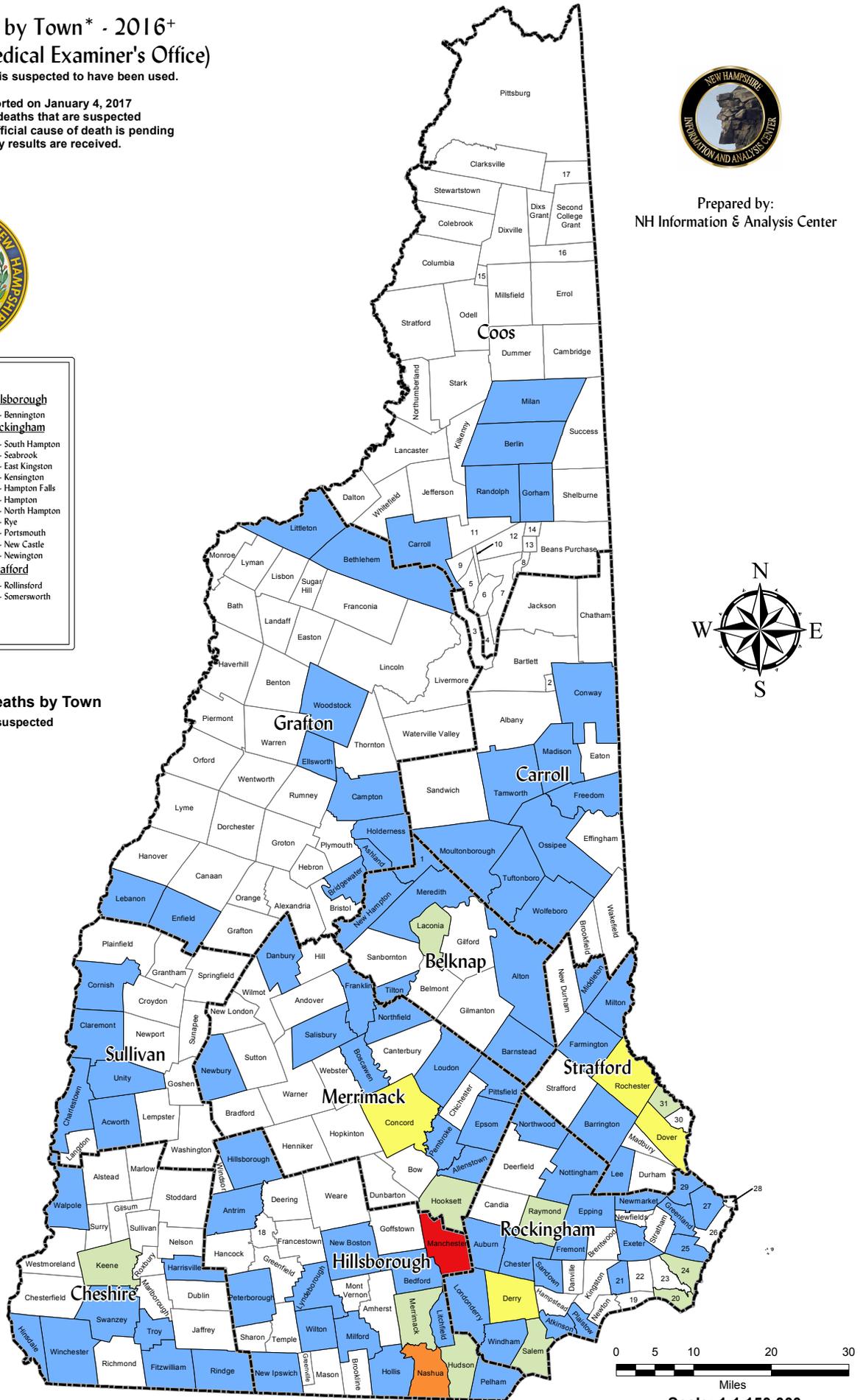
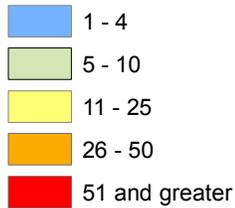


INDEX

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Number of Overdose Deaths by Town

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



NEW HAMPSHIRE SAFE STATIONS

Manchester Safe Station Began 5/4/2016—Nashua Safe Station Began 11/17/2016

	Manchester 2016	Nashua As of 1/11
• Number of requests at MFD/NFR for Safe Station:	976	80
• Number of participants transported to Hospitals:	80	9
• Number of participants taken to HOPE in NH:	347	N/A
• Number of participants taken to Serenity Place:	545	N/A
• Number of participants taken to PSL facilities:	N/A	70
• Number of participants seen for ODs prior to seeking SS Help:	131	16
• Average Length of Time MFD/NRF Company "Not Available":	12 min	11:25 min
• Number of <u>UNIQUE</u> participants:	739	68
• Number of <u>REPEAT</u> participants:	237	12
• Age Range of Participants:	18-70	18-61

In the News...

Police Find Large Quantities of Heroin, Cocaine, Cash in Salem Parking lot

According to the WMUR, Salem police were called to an IHOP on South Broadway on the morning of 1/8/17, where they found a man slumped over the steering wheel of his car, fast asleep. Alexander Ruggiero, 26, of Sandown, was charged with several drug-related charges. "They could see several other baggies of a packaged substance. Some bags were brown. Some bags were white. Consistent with their training (they suspected it) to be cocaine or heroin," said Capt. Joel Dolan. Dolan said it looked like Ruggiero was dividing up the drugs for distribution. "There were 29 bags of heroin, suspected heroin, seized. Three large bags and 26 smaller bags. There was one large bag of cocaine and 11 smaller bags of cocaine, and there were also three separate prescription pills," Dolan Said. Police also found about \$4,500 in cash.

Source: <http://www.wmur.com>

Two NH Prisons Shut Down Visits After Drug Overdoses

According to the Concord Patch, The New Hampshire Department of Corrections has shut off visitation for all prisoners this week as it investigates four overdoses in the system and how those prisoners obtained drugs, according to a press alert. Three inmates at the New Hampshire State Prison for Men in Concord were found unresponsive and other prisoner was found deceased in the Calumet Transitional Housing Unit in Manchester this weekend. "Correctional staff administered NARCAN in two instances and the inmates survived the incidents," said Jeff Lyons, the public information officer for the NH DOC. The bureau is conducting "a thorough investigation" of the incidents at both facilities including the addition of new K-9 units to inspect all areas of the Concord Prison.

Source: <http://www.patch.com>

Tracked by NHIAC/HSEC SINS: 03,16 / 05,06

Substance Abuse Treatment/Recovery Directory:*State funded treatment facilities in NH (NOT a complete list)—Source NH Department of Health & Human Services***BERLIN****Tri-County Community Action Programs Inc.**

30 Exchange Street
Berlin, NH 03570

CANNAN**HALO Educational Systems**

44 Roberts Road
Canaan, NH 03741

CONCORD**Concord Hospital****The Fresh Start Program**

(Intensive Outpatient 18 years and older and Outpatient Services.)
250 Pleasant Street, Suite 5400
Concord, NH 03301
Phone: 603-225-2711 ext. 2521
Fax: 603-227-7169

DOVER**Southeastern NH Alcohol and Drug Abuse Services**

(Outpatient and Intensive Outpatient Services.)

272 County Farm Road
Dover, NH 03820
Crisis Center: 603-516-8181
Main: 603-516-8160
Fax: 603-749-3983

GILFORD**Horizons Counseling Center**

(Intensive Outpatient 18 years and older and Outpatient Services.)
25 Country Club Road Suite #705
Gilford, NH 03249
Phone: 603-524-8005
Fax: 603-524-7275

HAVERHILL**Grafton County House of Corrections**

Dartmouth College Road
Haverhill, NH 03765

LEBANON**Headrest**

12 Church Street
PO Box 247
Lebanon, NH 03766
Hotline: 603-448-4400 or 800-639-6095
Phone: 603-448-4872
Fax: 603-448-1829

MANCHESTER**Families in Transition**

(Provides services for parenting women including pregnant women, intensive outpatient services; housing and comprehensive social services.)

122 Market Street
Manchester, NH 03104
Phone: 603-641-9441
Fax: 603-641-1244

Manchester Alcoholism and Rehabilitation Center

(Intensive Outpatient 18 years and older and Outpatient Services.)
555 Auburn Street
Manchester, NH 03101
Phone: 603-263-6287
Fax: 603-621-4295

National Council on Alcoholism and Drug Dependence—Greater Manchester

101 Manchester St.
Manchester, NH 03101

NASHUA**Greater Nashua Council on Alcoholism****Keystone Hall**

(Outpatient and Intensive Outpatient Services for Adults, Adolescents and Their Families.)
615 Amherst Street
Nashua, NH 03063
Phone: 603-943-7971 Ext. 3
Fax: 603-943-7969

The Youth Council

(Outpatient for Adolescents and Families.)
112 W. Pearl Street
Nashua, NH 03060
Phone: 603-889-1090
Fax: 603-598-1703

PORTSMOUTH**Families First of the Greater Seacoast**

(Pregnant and Parenting Women, Primary Care Setting, Outpatient.)
100 Campus Drive, Suite 12
Portsmouth, NH 03801
Phone: 603-422-8208 Ext. 150
Fax: 603-422-8218

SOMERSWORTH**Goodwin Community Health Center**

311 NH-108
Somersworth, NH 03878

Phoenix Houses of New England

Locations in: Dublin, Keene, Northfield

A full list of Substance Abuse and Treatment Facilities can be found [here](#).

A treatment locator can be found [here](#).