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.
Overview: Trends for Narcan, ED Visits, Treatment Admissions, and Overdose Deaths:

EMS Narcan Administration, Opioid Related ED Visits, and Treatment Admissions per 100,000 Population
September 2017 - August 2018

Opioid Related ED Visits

Opioid/Opiate, Methamphetamine, & Cocaine/Crack Treatment Admissions

EMS Narcan Administration

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

* 2017 & 2018 numbers are based on analysis as of 20 September 2018 and is still being finalized
There are 82 cases pending for 2018
Drug Overdose Deaths:
Data Source: NH Medical Examiner’s Office

Trends:
- At this time, there are 230 confirmed drug overdose deaths and 82 cases pending toxicology for 2018.
- In 2018 thus far, Belknap County has the highest suspected drug use resulting in overdose deaths per capita at 2.95 deaths per 10,000 population.
- Cheshire County had the next highest suspected drug use resulting in overdose deaths per capita at 2.72 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 2018.

*** IMPORTANT DATA NOTES***
- 2018 Total numbers are based on analysis as of 20 September 2018.
- Analysis is based on county where the drug(s) is suspected to have been used.

Overdose Deaths by Age 2018*
Data Source: NH Medical Examiner’s Office

Overdose Deaths by Year per 100,000 Population
Data Source: NH Medical Examiner’s Office

Overdose Deaths by County per 100,000 Population
Data Source: NH Medical Examiner’s Office

2018 Numbers are based on analysis as of 20 September 2018 - 82 cases pending

* 2018 Numbers are based on analysis as of 20 September 2018 and is still being finalized
There are 82 cases pending for 2018
+ Cocaine and Fentanyl/Heroin Related deaths are not mutually exclusive, several deaths involved both categories
Drug Overdose Deaths (Continued):

**Data Source:** NH Medical Examiner’s Office

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**Cocaine and/or Fentanyl Combination Related Drug Deaths 2018***

<table>
<thead>
<tr>
<th>Drug Combination</th>
<th># of Deaths</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fentanyl</td>
<td>113</td>
</tr>
<tr>
<td>Acetyl Fentanyl, Fentanyl</td>
<td>26</td>
</tr>
<tr>
<td>Cocaine, Fentanyl</td>
<td>13</td>
</tr>
<tr>
<td>Ethanol, Fentanyl</td>
<td>6</td>
</tr>
<tr>
<td>Alcohol, Fentanyl</td>
<td>5</td>
</tr>
<tr>
<td>Fentanyl, Methamphetamine</td>
<td>3</td>
</tr>
<tr>
<td>Cocaine</td>
<td>2</td>
</tr>
<tr>
<td>Fentanyl, Methadone</td>
<td>2</td>
</tr>
</tbody>
</table>

*2018 Numbers are based on analysis as of 20 September, 2018
Source: NH Medical Examiner’s Office

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

<table>
<thead>
<tr>
<th>Combination</th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>4-ANPP, Acetyl Fentanyl, Fentanyl, Parafluorosobutyl Fentanyl</td>
<td>Alcohol, Amphetamines, Fentanyl</td>
<td>Alprazolam, Fentanyl</td>
<td>Bupropion, Fentanyl, Olanzapine</td>
<td>Diazepam, Fentanyl, Methamphetamine</td>
<td></td>
</tr>
<tr>
<td>Acetyl Fentanyl, Amphetamines, Clonazepam, Fentanyl</td>
<td>Alcohol, Chlorpheniramine, Fentanyl</td>
<td>Alprazolam, Fentanyl, Hydrocodone</td>
<td>Clonazepam, Cocaine, Fentanyl, Phenobarbital</td>
<td>Duloxetine, Ethanol, Fentanyl, Hydromorphone</td>
<td></td>
</tr>
<tr>
<td>Acetyl Fentanyl, Cocaine, Fentanyl</td>
<td>Alcohol, Cocaine, Fentanyl</td>
<td>Amitriptyline, Clonazepam, Diazepam, Fentanyl</td>
<td>Clonazepam, Fentanyl</td>
<td>Fentanyl, MDMA, Methamphetamine</td>
<td></td>
</tr>
<tr>
<td>Acetyl Fentanyl, Diazepam, Ethanol, Fentanyl</td>
<td>Alcohol, Fentanyl, Quetiapine, Sertraline</td>
<td>Amphetamines, Buprenorphine, Fentanyl, Hydroxyzine, Methamphetamine, Trazodone</td>
<td>Cocaine, Diazepam, Oxazepam</td>
<td>Fentanyl, Methamphetamine, Methylenedioxymethamphetamine</td>
<td></td>
</tr>
<tr>
<td>Acetyl Fentanyl, Ethanol, Fentanyl</td>
<td>Alprazolam, Amphetamines, Cocaine, Fentanyl, Morphine</td>
<td>Buprenorphine, Cocaine</td>
<td>Cocaine, Duloxetine, Fentanyl</td>
<td>Fentanyl, Oxycodone</td>
<td></td>
</tr>
<tr>
<td>Acetyl Fentanyl, Fentanyl, Methamphetamine</td>
<td>Alprazolam, Buprenorphine, Fentanyl, Lorazepam, Oxycodone</td>
<td>Buprenorphine, Diphenhydramine, Fentanyl</td>
<td>Cocaine, Ethanol, Fentanyl</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Acetyl Fentanyl, Fentanyl, Mitragynine</td>
<td>Alprazolam, Cocaine, Fentanyl</td>
<td>Bupropion, Diazepam, Ethanol, Fentanyl</td>
<td>Cocaine, Fentanyl, Hydroxyzine</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Overdose Deaths by Town* - 2018 *
(Data Source: NH Medical Examiner's Office)
*Location where the drug(s) is suspected to have been used.
+2018 data was reported on September 20, 2018
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.  82 cases pending

Number of Overdose Deaths by Town
*Location where the drug(s) is suspected to have been used.

- 1 - 4 (60 towns)
- 5 - 10 (8 towns)
- 11 - 25 (2 towns)
- 26 - 50 (1 town)
Trends:
- EMS Narcan administration incidents decreased by 12.3% from July to August.
- In August Hillsborough County had the most EMS Narcan administration incidents per capita with 2.76 incidents per 10,000 population.
- Carroll County had the second highest EMS Narcan administration incidents per capita with 2.09 incidents per 10,000 population.
- The age group with the largest number of EMS Narcan administration incidents was 30-39 which represents 31% of all EMS Narcan administration incidents for August.

*** 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.
- Updated Lives Saved data is not available at this time.
EMS Narcan Administration (Continued):
Data Source: NH Bureau of Emergency Medical Services (EMS)

EMS Narcan Administration - Lives Saved %
June 2017- May 2018

1. RODS, or Revised Over Dose Score, is based on the combined delta of documented respiratory rate (RR) and Glasgow Coma Score (GCS - measure of alertness) before and after Narcan administration. For example, RR improved from 6/min to 12/min (delta of 6) and GCS improved from 10 to 13 (delta of 3), the RODS score would be 9. The delta of the vital signs is calculated per incident, so the patient may have received more than one dose of Narcan to achieve the effect in the RODS.

EMTs Narcan Administration—Lives Saved
Source: NH Bureau of EMS
2017 2018

RODS Outcome Jan Feb Mar Apr May
Lives Saved 134 94 93 90 93
140 127 113 102 108 103 93 90 91 83 71 68 64 60 60
No Improvement
109 83 71 58 46 64 60 60 60 60 60 60
140 127 113 102 108 103 93 90 91 83 71 68 64 60 60
Some Improvement
127 113 102 102 94 93 90 90 90 90 90 90
213 189 189 189 189 189 189 189 189 189 189 189
Negative Improvement
127 113 102 102 94 93 90 90 90 90 90 90
213 189 189 189 189 189 189 189 189 189 189 189
Total
281 276 226 292 249 212 189 186 185 183 174 187

RODS, or Revised Over Dose Score is based on the combined delta of documented respiratory rate (RR) and Glasgow Coma Score (GCS - measure of alertness) before and after Narcan administration. For example, RR improved from 6/min to 12/min (delta of 6) and GCS improved from 10 to 13 (delta of 3), the RODS score would be 9. The delta of the vital signs is calculated per incident, so the patient may have received more than one dose of Narcan to achieve the effect in the RODS.

EMS Narcan Administration by County per 10,000 Population
Source: NH Bureau of EMS

<table>
<thead>
<tr>
<th>County</th>
<th>Jun</th>
<th>Jul</th>
<th>Aug</th>
</tr>
</thead>
<tbody>
<tr>
<td>Belknap</td>
<td>1.15</td>
<td>1.15</td>
<td>1.15</td>
</tr>
<tr>
<td>Carroll</td>
<td>1.29</td>
<td>1.29</td>
<td>1.29</td>
</tr>
<tr>
<td>Cheshire</td>
<td>2.28</td>
<td>2.28</td>
<td>2.28</td>
</tr>
<tr>
<td>Coos</td>
<td>1.81</td>
<td>1.81</td>
<td>1.81</td>
</tr>
<tr>
<td>Grafton</td>
<td>2.40</td>
<td>2.40</td>
<td>2.40</td>
</tr>
<tr>
<td>Hillsborough</td>
<td>3.01</td>
<td>3.01</td>
<td>3.01</td>
</tr>
<tr>
<td>Merrimack</td>
<td>2.76</td>
<td>2.76</td>
<td>2.76</td>
</tr>
<tr>
<td>Rockingham</td>
<td>1.21</td>
<td>1.21</td>
<td>1.21</td>
</tr>
<tr>
<td>Strafford</td>
<td>1.18</td>
<td>1.18</td>
<td>1.18</td>
</tr>
<tr>
<td>Sullivan</td>
<td>0.23</td>
<td>0.23</td>
<td>0.23</td>
</tr>
</tbody>
</table>

Source: NH Bureau of EMS

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UNCLASSIFIED

UNCLASSIFIED—AUTHORIZED FOR PUBLIC RELEASE
Opioid Related Emergency Department Visits:
Data Source: NH Division of Public Health Services

**Trends:**
- Opioid related ED visits decreased by 0.2% from July to August 2018.
- In August residents from Strafford County had the most opioid related ED visits per capita with 5.60 visits per 10,000 population.
- Belknap County residents had the second highest number of opioid related ED visits per capita with 5.57 visits per 10,000 population.
- The age group with the largest number of opioid related ED visits was 20-29 with 36% of all opioid related ED visits for August.

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

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

Data Source: NH Division of Public Health Services

Emergency Department Opioid Use Visits per 100,000 Population
September 2017 - August 2018

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

Source: NH Div. of Public Health Services
Treatment Admissions:
Data Source: NH Bureau of Drug & Alcohol Services

Trends:
- Opioid/opiate, Methamphetamine, & Cocaine/Crack treatment admissions increased by 13% from July to August.
- In August, residents from Cheshire County were admitted most often for opioid/opiate treatment per capita with 2.07, followed closely by Hillsborough County with 2.03 admissions per 10,000 population.
- More males than females were admitted to treatment programs in August for opioid/opiate, Methamphetamine, & Cocaine/Crack use.
- Methamphetamine treatment admissions decreased by 16% from July to August.
- Cocaine/Crack treatment admissions decreased by 40% from July to August.
- Heroin/Fentanyl treatment admissions increased by 23%

*** IMPORTANT DATA NOTES***
- County represents where the patient resides.
- These data represent treatment admissions to state funded facilities.
- These data have decreased due to numerous factors. The Affordable Care Act has been fully implemented, resulting in increased access to affordable health insurance and coverage for substance use disorder treatment in NH. New Hampshire expanded its Medicaid program, which also provided increased opportunities for substance use disorder treatment in the state. Substance use disorder treatment in the state has increased sharply in response to these policies which has shifted clients served by State of New Hampshire contracted treatment providers to other payment models and facilities.
Treatment Admissions (Continued):
Data Source: NH Bureau of Drug & Alcohol Services

Heroin/Fentanyl, Rx Opiate, Methamphetamine, & Cocaine/Crack Treatment Admissions by Month per 100,000 Population
September 2017 - August 2018

Opioid/Opiate Treatment Admissions by County per 10,000 Population

Source: NH Bureau of Drug & Alcohol Services
Situational Awareness:

Toll From Opioid Crisis Puts A Strain on Many Keene Departments

From October through the end of May, the Keene Police Department paid for 150.75 hours of overtime related to drug investigations. The Keene Fire Department responded to at least 51 suspected opioid overdoses, administering 110 doses of the overdose-reversal drug Narcan to those patients. And the City’s Human Services Department helped pay for the funerals of 11 residents who died due to substance misuse and whose families could not afford to bury them.

Nationally, the opioid crisis has claimed tens of thousands of lives and, according to a 2017 report from the president’s Council of Economic Advisers, drained the economy of hundreds of billions of dollars. Meanwhile, a wave of litigation against pharmaceutical companies has highlighted another cost: the financial impact of the drug crisis on municipalities like Keene.

In April, Keene joined the hundreds of state, county and municipal governments suing the makers and distributors of certain opioid painkillers. They allege that the companies caused the opioid crisis by aggressively pushing medications they knew to be addictive.

Source: [www.sentinelsource.com](http://www.sentinelsource.com) 8/19/2018

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**NEW HAMPSHIRE SAFE STATIONS**

<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Manchester</strong></td>
<td><strong>Nashua</strong></td>
</tr>
<tr>
<td><strong>As of 9/20/2018</strong></td>
<td><strong>As of 9/26/2018</strong></td>
</tr>
<tr>
<td><strong>Q3 2018</strong></td>
<td><strong>Total</strong></td>
</tr>
<tr>
<td><strong>Q3 2018</strong></td>
<td><strong>Total</strong></td>
</tr>
<tr>
<td>Number of requests at MFD/NFR for Safe Station:</td>
<td>494</td>
</tr>
<tr>
<td>Number of participants transported to hospitals:</td>
<td>141</td>
</tr>
<tr>
<td>Number of participants taken to Substance Misuse Treatment Facilities:</td>
<td>353</td>
</tr>
<tr>
<td>Average length of time company “Not Available”:</td>
<td>12.4 Min</td>
</tr>
<tr>
<td>Number of UNIQUE participants:</td>
<td>413</td>
</tr>
<tr>
<td>Number of REPEAT participants:</td>
<td>253</td>
</tr>
<tr>
<td>Number of unique participants seen in both City’s Safe Station Program</td>
<td></td>
</tr>
</tbody>
</table>

Manchester Overdoses Spiked to Highest Rate All Year in July

Statistics released this week by officials with American Medical Response New Hampshire show medics treated 72 overdose victims in Manchester in July — the most in one month so far this year, and highest total in one month since October of 2017.

The total combined opioid-related overdoses for July in Nashua and Manchester were 95, with five of those reported as fatalities and one additional fatality pending toxicology confirmation. “July was a tough month after a good stretch of really positive progress,” said Chris Stawasz, regional director for American Medical Response New Hampshire. “It won’t deter us. We will keep saving lives one by one no matter what.”

According to Stawasz, Manchester first responders have administered nearly 1,000 milligrams of Narcan in 2018 so far.

Source: [www.unionleader.com](http://www.unionleader.com) 8/2/2018
Substance Abuse Treatment/Recovery Directory:
State funded treatment facilities in NH (NOT a complete list) - Data Source: NH Department of Health and Human Services

BETLEHEM
North Country Health Consortium (NCHC)/ Friendship House
262 Cottage St. Suite 230 Bethlehem, NH
Phone: 603-259-3700

CANAAN
HALO Educational Systems
44 Roberts Road Canaan, NH
Phone: 603-359-3321

CONCORD
Concord Hospital
250 Pleasant Street, Suite 5400
Concord, NH
Phone: 603-225-2711 ext. 2521

DOVER
Southeastern NH Alcohol and Drug Abuse Services
272 County Farm Road
Dover, NH
Crisis Center: 603-516-8181
Main: 603-516-8160

DUBLIN
Phoenix House Comprehensive Addiction Treatment Services
3 Pierce Rd. Dublin, NH
Phone: 603-563-8501 option 1

FRANKLIN
Farnum Center
Ray House (Women)
14 Holy Cross Rd. Franklin, NH
Phone: 603-263-6287
Webster Place (Men)
27 Holy Cross Rd. Franklin, NH
Phone: 603-622-3020

GILFORD
Horizons Counseling Center
25 Country Club Road Suite #705
Gilford, NH
Phone: 603-524-8005

KEENE
Phoenix House Comprehensive Addiction Treatment Services
106 Roxbury St. Keene, NH
Phone: 603-358-4041 option 1

LEBANON
HALO Educational Systems, LLC
1 School St. Lebanon, NH
Phone: 603-359-3321

Headrest
12 Church Street
PO Box 247 Lebanon, NH
Phone: 603-448-4872

MANCHESTER
Families in Transition - New Horizons
161 South Beech St. Manchester, NH
Phone: 603-641-9441 ext. 401
Farnum Center
140 Queen City Ave.
Manchester, NH 03101
Phone: 603-622-3020

NASHUA
Greater Nashua Council on Alcoholism :Keystone Hall
12 & 1/2 Amherst St. Nashua, NH
03063
Phone: 603-943-7971 Ext. 3

Greater Nashua Open Doors Program
615 Amherst St. Nashua, NH
Phone: 603-881-4848

The Youth Council
112 W. Pearl St. Nashua, NH
Phone: 603-889-1090

PORTSMOUTH
Families First of the Greater Seacoast
100 Campus Drive, Suite 12
Portsmouth, NH 03801
Phone: 603-422-8208 Ext. 150

SOMERSWORTH
Goodwin Community Health Center
311 NH-108
Somersworth, NH 03878
Phone: 603-749-2346

A full list of Substance Abuse and Treatment Facilities can be found here.
A treatment locator can be found here.