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
March 2017 - February 2018

Drug overdose death data was last updated on 2/13/2018

Drug Overdose Deaths By Year
Data Source: NH Medical Examiner’s Office

* 2017 Numbers are based on analysis as of 13 February 2018 - 63 Cases Pending
Drug Overdose Deaths:
Data Source: NH Medical Examiner’s Office

**Trends:**
- At this time, drug overdose deaths are projected to decrease by 2% from 2016 to 2017.
- In 2017 thus far, Hillsborough County has the highest suspected drug use resulting in overdose deaths per capita at 3.91 deaths per 10,000 population.
- Strafford County had the next highest suspected drug use resulting in overdose deaths per capita at 3.43 deaths per 10,000 population.
- The age group with the largest number of drug overdose deaths is 30-39 which represents 27% of all overdose deaths for 2017.
- As released by the Attorney General’s Office, there have been 12 deaths related to the use of carfentanil in 2017.

*** IMPORTANT DATA NOTES***
- 2017 Total numbers are based on analysis as of 13 February, 2018.
- Breakdowns are based on analysis as of 23 January, 2018.
- There are currently 63 cases “pending toxicology” for 2017.
- Analysis is based on county where the drug(s) is suspected to have been used.

---

Overdose Deaths by Age 2017*
Data Source: NH Medical Examiner’s Office

---

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

---

2017* Overdose Deaths by County per 10,000 Population
Data Source: NH Medical Examiner’s Office

---

UNCLASSIFIED
Drug Environment Report—UNCLASSIFIED

---

Overdose Deaths data was last fully updated on 1/23/2018

---

Drug Overdose Deaths:
Data Source: NH Medical Examiner’s Office

---

Right click on the paperclip and select “Open File” to view additional data.
Drug overdose death data was last fully updated on 1/23/2018

### Fentanyl Combinations (Top 10)

<table>
<thead>
<tr>
<th>Combination</th>
<th># of Deaths</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fentanyl</td>
<td>166</td>
</tr>
<tr>
<td>Acetyl Fentanyl; Fentanyl</td>
<td>28</td>
</tr>
<tr>
<td>Ethanol; Fentanyl</td>
<td>14</td>
</tr>
<tr>
<td>Cocaine; Fentanyl</td>
<td>12</td>
</tr>
<tr>
<td>Fentanyl; Heroin</td>
<td>11</td>
</tr>
<tr>
<td>Carfentanil; Fentanyl</td>
<td>5</td>
</tr>
<tr>
<td>Fentanyl; Methamphetamine</td>
<td>4</td>
</tr>
<tr>
<td>Acetyl Fentanyl; Ethanol; Fentanyl</td>
<td>3</td>
</tr>
<tr>
<td>Acetyl Fentanyl</td>
<td>2</td>
</tr>
<tr>
<td>Acetyl Fentanyl; Cocaine; Fentanyl; Heroin</td>
<td>2</td>
</tr>
</tbody>
</table>

### Cocaine Combinations (Top 10)

<table>
<thead>
<tr>
<th>Combination</th>
<th># of Deaths</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cocaine; Fentanyl</td>
<td>12</td>
</tr>
<tr>
<td>Cocaine</td>
<td>7</td>
</tr>
<tr>
<td>Acetyl Fentanyl; Cocaine; Fentanyl; Heroin</td>
<td>2</td>
</tr>
<tr>
<td>Clonazepam; Cocaine; Fentanyl</td>
<td>2</td>
</tr>
<tr>
<td>Cocaine; Ethanol; Fentanyl</td>
<td>2</td>
</tr>
<tr>
<td>Cocaine; Fentanyl; Heroin</td>
<td>2</td>
</tr>
<tr>
<td>Acetyl Fentanyl; Cocaine; Fentanyl</td>
<td>2</td>
</tr>
<tr>
<td>Acetyl Fentanyl; Cocaine; Fentanyl; Morphine</td>
<td>1</td>
</tr>
<tr>
<td>Alprazolam; Cocaine; Ethanol</td>
<td>1</td>
</tr>
<tr>
<td>Buprenorphine; Cocaine; Fentanyl</td>
<td>1</td>
</tr>
</tbody>
</table>

*2017 Numbers are based on analysis as of 1/23/2018

Source: NH Medical Examiner's Office
Number of Overdose Deaths by Town
*Location where the drug(s) is suspected to have been used.

- 1 - 4 cases
- 5 - 10 cases
- 11 - 25 cases
- 26 - 50 cases
- 51 - 100 cases

Legend:
- 1 - 4
- 5 - 10
- 11 - 25
- 26 - 50
- 51 - 100

NOTE: 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. 90 cases pending.

Drug overdose death data was last updated on 1/23/2018.
EMS Narcan Administration:
Data Source: NH Bureau of Emergency Medical Services (EMS)

Trends:
- EMS Narcan administration incidents decreased by 0.5% from January to February.
- In February Belknap County had the most EMS Narcan administration incidents per capita with 3.13 incidents per 10,000 population.
- Based on absolute numbers Hillsborough County had the most Narcan incidents with 81 incidents in February.
- The age group with the largest number of EMS Narcan administration incidents was 30-39 which represents 32% of all EMS Narcan administration incidents for February.
- NH Bureau of EMS Percentage of “lives saved” decreased by 4% from January to February.

*** 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 (Continued):

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

**EMS Narcan Administration—Lives Saved %**

March 2017 - February 2018

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—Lives Saved**

<table>
<thead>
<tr>
<th>RODS Outcome</th>
<th>Mar</th>
<th>Apr</th>
<th>May</th>
<th>Jun</th>
<th>Jul</th>
<th>Aug</th>
<th>Sep</th>
<th>Oct</th>
<th>Nov</th>
<th>Dec</th>
<th>Jan</th>
<th>Feb</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lives Saved RODS Score of 8+</td>
<td>88</td>
<td>127</td>
<td>86</td>
<td>134</td>
<td>158</td>
<td>109</td>
<td>140</td>
<td>127</td>
<td>113</td>
<td>102</td>
<td>102</td>
<td>94</td>
</tr>
<tr>
<td>No Improvement RODS Score of 0</td>
<td>74</td>
<td>71</td>
<td>84</td>
<td>91</td>
<td>76</td>
<td>71</td>
<td>108</td>
<td>83</td>
<td>71</td>
<td>58</td>
<td>46</td>
<td>63</td>
</tr>
<tr>
<td>Some Improvement RODS Score 1-7</td>
<td>23</td>
<td>23</td>
<td>26</td>
<td>33</td>
<td>22</td>
<td>28</td>
<td>26</td>
<td>21</td>
<td>17</td>
<td>17</td>
<td>24</td>
<td>17</td>
</tr>
<tr>
<td>Negative Improvement Negative RODS Score</td>
<td>11</td>
<td>11</td>
<td>17</td>
<td>23</td>
<td>20</td>
<td>18</td>
<td>18</td>
<td>11</td>
<td>12</td>
<td>14</td>
<td>11</td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td>196</td>
<td>232</td>
<td>213</td>
<td>281</td>
<td>276</td>
<td>226</td>
<td>292</td>
<td>249</td>
<td>212</td>
<td>189</td>
<td>186</td>
<td>185</td>
</tr>
</tbody>
</table>

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
EMS/Narcan Administration by Town
3/1/2017 – 2/28/2018
Data Source: New Hampshire Bureau of EMS

*Incidents Where Narcan Was Administered*

- 0
- 1 - 10
- 11 - 25
- 26 - 50
- 51 - 100
- 101 - 200
- 201 - 500
- 501 - 750

INDEX

Belknap
1 - Cesar Harbor
2 - Weirs Location
3 - Hart Location
Carroll
4 - Hadley Purchase
5 - Bean Grant
6 - Curtis Grant
7 - Sargent Purchase
8 - Pinkham Grant
9 - Crawford Purchase
10 - Chandler Purchase
11 - Love & Bartolotta Grant
12 - Thompson & Kanas Purchase
13 - Greene Grant
14 - Marines Location
15 - Enesco Grant
16 - Wentworth Location
17 - Jackson & Gilmore Academy Grant

Hillsborough
18 - Benson
19 - South Hampton
20 - Seabrook
21 - East Kingston
22 - Kingston
23 - Hampton Falls
24 - Hampton
25 - North Hampton
26 - Rye
27 - Portsmouth
28 - New Castle
29 - Newington
30 - Buffalo
31 - Somersworth

Rockingham
32 - Portsmouth
33 - Newmarket
34 - Rochester
35 - Lee
36 - Newfields
37 - Epping
38 - Stratham
39 - Durham
40 - Dover
41 - Rochester

Coos
42 - Hart Location
43 - Hillsborough
44 - Exeter
45 - Derry
46 - Salem
47 - Derry
48 - Bow
49 - Dunbarton
50 - Tilton
51 - New Hampton

Carrboro
52 - Frankfort
53 - Canterbury
54 - Gilford
55 - Sunapee
56 - Northfield
57 - Newbury
58 - Bridgewater
59 - Enfield
60 - Lyme
61 - Waterville Valley
62 - Jefferson
63 - Bradford
64 - Wakefield
65 - Canterbury
66 - Wolfeboro
67 - Albany
68 - Groton
69 - Freedom
70 - Allenstown
71 - Pembroke
72 - Weeks
73 - Easton
74 - Lebanon
75 - Hillsborough
76 - Carroll
77 - Andover
78 - Westmoreland
79 - Gilsum
80 - Madison
81 - Holderness
82 - Gilsum
83 - Saco
84 - Northfield
85 - Dunbarton
86 - Newbury
87 - Salisbury
88 - Newbury
89 - Weare
90 - Epsom
91 - Whitefield
92 - Northfield
93 - Epsom
94 - Plymouth
95 - New Ipswich
96 - Newbury
97 - Epsom
98 - New Ipswich
99 - Dunbarton
100 - Newbury

Prepared by:
NH Information & Analysis Center

Scale: 1:1,150,000

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 22.5% from January to February 2018.
- In February residents from Strafford County had the most opioid related ED visits per capita with 6.12 visits per 10,000 population.
- Hillsborough County residents had the second highest number of opioid related ED visits per capita with 4.29 visits per 10,000 population.
- The age group with the largest number of opioid related ED visits was 30-39 with 39% of all opioid related ED visits for February.

*** 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.
Opioid Related Emergency Department Visits (Continued):

Data Source: NH Division of Public Health Services

Emergency Department Opioid Use Visits per 100,000 Population
March 2017 - February 2018

<table>
<thead>
<tr>
<th>Month</th>
<th># of ED Opioid Use Visits per 100,000 pop</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mar</td>
<td>43.52</td>
</tr>
<tr>
<td>Apr</td>
<td>41.27</td>
</tr>
<tr>
<td>May</td>
<td>38.41</td>
</tr>
<tr>
<td>Jun</td>
<td>43.30</td>
</tr>
<tr>
<td>Jul</td>
<td>44.20</td>
</tr>
<tr>
<td>Aug</td>
<td>46.15</td>
</tr>
<tr>
<td>Sep</td>
<td>44.27</td>
</tr>
<tr>
<td>Oct</td>
<td>49.46</td>
</tr>
<tr>
<td>Nov</td>
<td>41.34</td>
</tr>
<tr>
<td>Dec</td>
<td>35.25</td>
</tr>
<tr>
<td>Jan</td>
<td>41.79</td>
</tr>
<tr>
<td>Feb</td>
<td>32.40</td>
</tr>
</tbody>
</table>

Source: NH Div. of Public Health Services

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

<table>
<thead>
<tr>
<th>County</th>
<th># of ED Opioid Use Visits per 10,000 pop</th>
</tr>
</thead>
<tbody>
<tr>
<td>Belknap</td>
<td>2.63</td>
</tr>
<tr>
<td>Carroll</td>
<td>2.51</td>
</tr>
<tr>
<td>Cheshire</td>
<td>1.46</td>
</tr>
<tr>
<td>Coos</td>
<td>2.98</td>
</tr>
<tr>
<td>Grafton</td>
<td>3.59</td>
</tr>
<tr>
<td>Hillsborough</td>
<td>4.49</td>
</tr>
<tr>
<td>Merrimack</td>
<td>5.89</td>
</tr>
<tr>
<td>Rockingham</td>
<td>4.29</td>
</tr>
<tr>
<td>Strafford</td>
<td>4.53</td>
</tr>
<tr>
<td>Sullivan</td>
<td>5.96</td>
</tr>
</tbody>
</table>

Source: NH Div. of Public Health Services

UNCLASSIFIED—AUTHORIZED FOR PUBLIC RELEASE
Trends:
- Opioid/opiate, Methamphetamine, & Cocaine/Crack treatment admissions decreased by 6% from January to February.
- In February residents from Strafford County were admitted most often for opioid/opiate treatment per capita with 1.91 admissions per 10,000 population.
- More males than females were admitted to treatment programs in February for opioid/opiate, Methamphetamine, & Cocaine/Crack use.
- Methamphetamine treatment admissions increased by 74% from January to February.
- Cocaine/Crack treatment admissions decreased by 9.6% from January to February.
- Heroin/Fentanyl treatment admissions decreased by 11.5% from January to February.

*** 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 & Alcohol Services

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

Source: NH Bureau of Drug & Alcohol Services

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

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

National Heroin Coordination Group
Statement on Naloxone Effectiveness

The National Heroin Coordination Group in collaboration with the National Institute on Drug Abuse and Health and Human Services addresses naloxone effectiveness with overdoses involving fentanyl and its analogues. Ultimately, naloxone is indicated for opioid overdoses regardless of the substance used and EMS services should be called.

- Fentanyl and its analogues, including acrylfentanyl, are synthetic opioids that bind to and activate the opioid receptors in the brain creating analgesic and euphoric effects.
- Acrylfentanyl is not a new kind of synthetic opioid. Rather, it belongs in the family of fentanyl analogues that are well-known to the medical and law enforcement communities nationwide.
- There have been well-documented cases in which a patient who has overdosed on a synthetic opioid required several administrations of naloxone to reverse the effects of the overdose. However, this is often a function of the dose of naloxone administered as well as time elapsed since the patient took the drug.

Source: For the full article —> OASAS.NY.gov 2017
Substance Abuse Treatment/Recovery Directory:
State funded treatment facilities in NH (NOT a complete list) - Data Source: NH Department of Health and Human Services

BERLIN
Tri-County Community Action Programs Inc.
30 Exchange Street
Berlin, NH 03570

CANAAN
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

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

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

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

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

Manchester Alcoholism and Rehabilitation Center
(Intensive Outpatient 18 years and older and Outpatient Services.)
555 Auburn Street
Manchester, NH 03101
Phone: 603-263-6287

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

The Youth Council
(Outpatient for Adolescents and Families.)
112 W. Pearl Street
Nashua, NH 03060
Phone: 603-889-1090

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

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.