



New Hampshire Drug Monitoring Initiative

New Hampshire Information & Analysis Center

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NHIAC Product #: 2021-4618

2020 Overview Report

17 February 2021

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.

2020 Overview—Drug Environment Report—UNCLASSIFIED

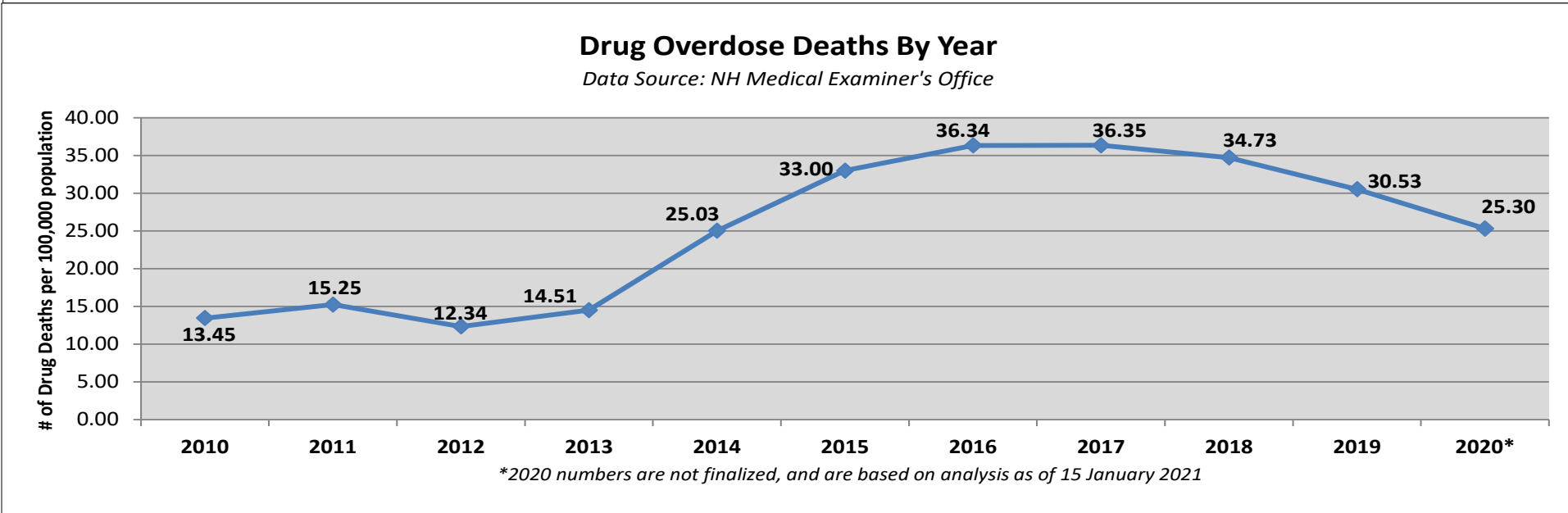
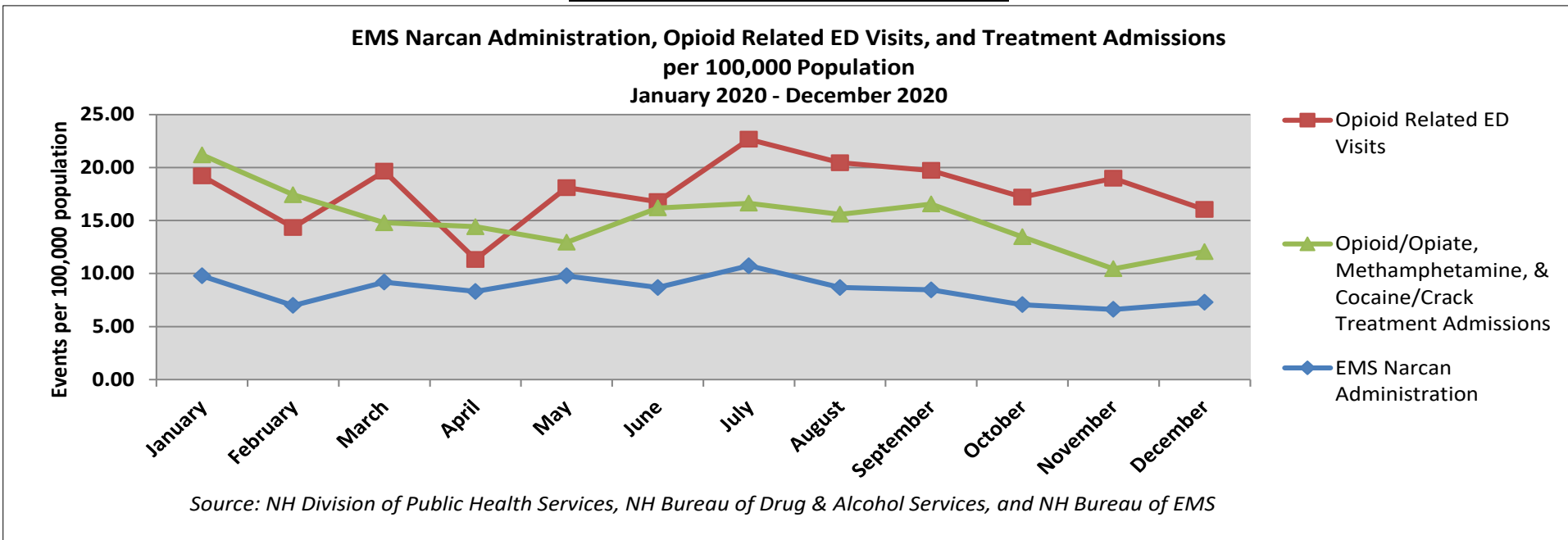
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***The monthly online DMI viewer can be found at:** <https://nhvieww.nh.gov/IAC/DMI/>

- ⇒ 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 2019 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 Naloxone Incidents, Opioid Related ED Visits, Treatment Admissions, and Overdose Deaths:



Drug Overdose Deaths (Continued):

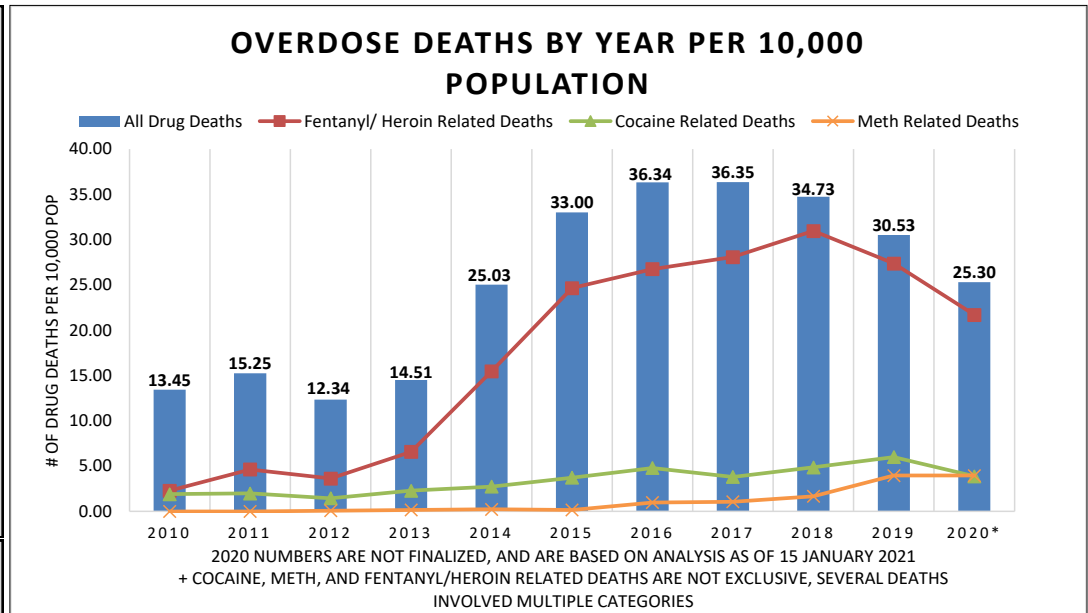
Data Source: NH Medical Examiner's Office

Trends:

- As of 15 January 2021, drug overdose deaths are projected to decrease by 3.1% from 2019 to 2020. There are 58 deaths pending toxicology. The projected total is 402, down from 415 in 2019.
- Thus far in 2020, Strafford County has the highest suspected drug use resulting in overdose deaths per capita at 3.10 deaths per 10,000 population, while Hillsborough County is second, with 2.90 deaths per 10,000 population.
- Thus far, no county experienced an increase in their suspected drug overdose death rate per 10,000 population with Carroll, Coos, and Sullivan Counties remaining the same at 2.26, 1.80, and 1.59 overdose deaths per 10,000 population, respectively.
- So far in 2020, the age group with the largest number of drug overdose deaths is 30-39 year olds, at 32%.

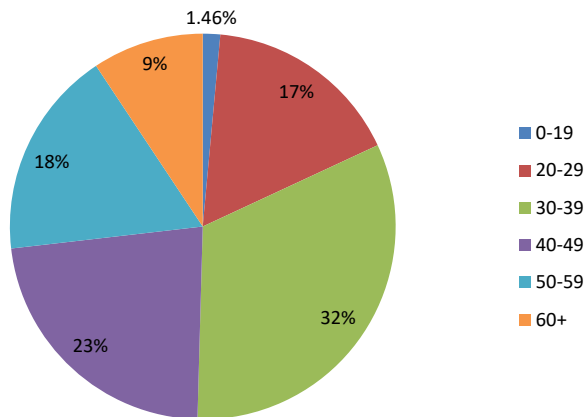
***** IMPORTANT DATA NOTES *****

- Drug overdose deaths for 2020 numbers are not finalized and are based on analysis as of 15 January 2021.
- Analysis is based on county where the drug(s) is suspected to have been used.



Overdose Deaths by Age 2020*

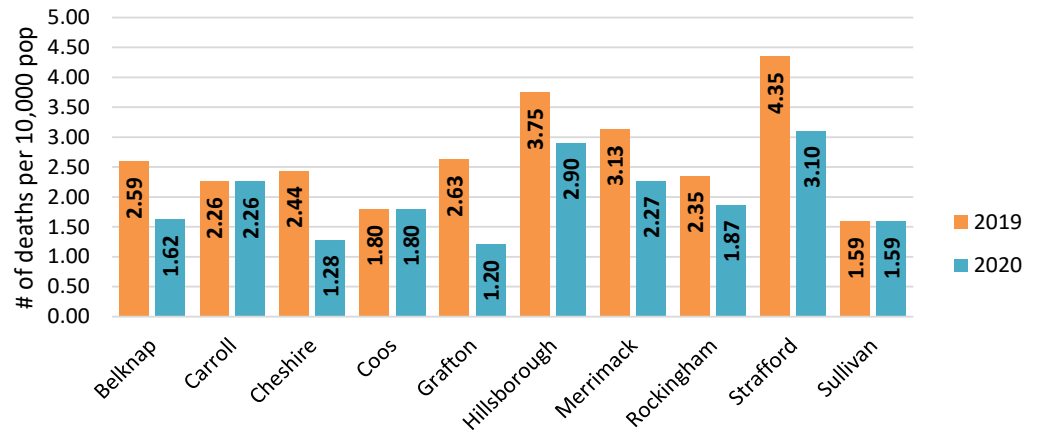
Data Source: NH Medical Examiner's Office



2020 numbers are not finalized, and based on analysis as of 15 January 2021

2019 vs. 2020* Overdose Deaths by County per 10,000 Population

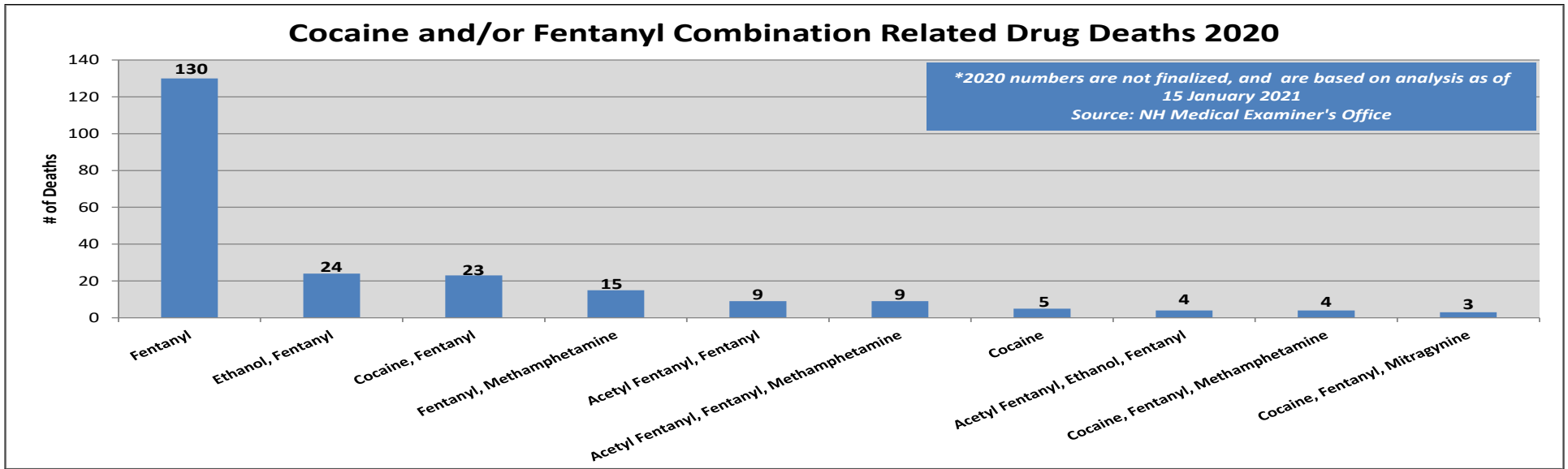
Data Source: NH Medical Examiner's Office



*2020 numbers are not finalized and are based on analysis as of 15 January 2021

Drug Overdose Deaths (Continued):

Data Source: NH Medical Examiner's Office



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

Amphetamines, Cocaine, Fentanyl	Ethanol, Fentanyl, Oxycodone	Acetyl Fentanyl, Fentanyl, Fluoxetine, Tramadol	Alprazolam, Amphetamines, Cocaine, Fentanyl	Amphetamines, Fentanyl	Cocaine, Methamphetamine	Duloxetine, Fentanyl	Fentanyl, Flualprazolam	Fentanyl, Hydrocodone
Cocaine, Ethanol, Fentanyl	1, 1-difluoroethane, Etizolam, Fentanyl, Pyrazolam	Acetyl Fentanyl, Fentanyl, Methadone	Alprazolam, Ethanol, Fentanyl	Cocaine, Ethanol	Cocaine, Oxycodone	Ethanol, Fentanyl, Fluoxetine, Olanzapine	Fentanyl, Gabapentin, Hydroxyzine	Fentanyl, Methadone, Morphine
Cocaine, Fentanyl, Methadone	Acetyl Fentanyl, Buprenorphine, Fentanyl, Methadone	Acetyl Fentanyl, Fentanyl, Methadone, Morphine	Alprazolam, Fentanyl	Cocaine, Ethanol, Methadone	Cocaine, Tramadol	Ethanol, Fentanyl, Gabapentin, Morphine	Fentanyl, Heroin	Fentanyl, Methamphetamine, Tramadol
Ethanol, Fentanyl, Methamphetamine	Acetyl Fentanyl, Cocaine, Fentanyl, MDMA	alpha PHP/alpha PiHP, Cyclobenzaprine, Fentanyl	Amitriptyline, Fentanyl	Cocaine, Fentanyl, Morphine	Dextro/levomethorphan, Fentanyl, Xylazine	Ethanol, Fentanyl, Quetiapine, Venlafaxine	Fentanyl, Heroin, Methadone	Fentanyl, Methamphetamine, Zolpidem
*Cells filled with gray indicate combinations noted twice	Fentanyl, Oxymorphone	Alprazolam, Amphetamines, Citalopram/escitalopram, Ethanol, Fentanyl, Trazodone	Amphetamines, Cocaine, Ethanol, Fentanyl	Cocaine, Fentanyl, Xylazine	Diphenhydramine, Fentanyl, Methadone	Eutylone, Fentanyl	Fentanyl, Heroin, Methamphetamine	Fentanyl, Morphine, Oxycodone

Drug Overdose Deaths (Continued):

Data Source: NH Medical Examiner's Office

2020 numbers **are not finalized**, and are based on analysis as of 15 January 2021.

	2014	2015	2016	2017	2018	2019	January	February	March	April	May	June	July	August	September	October	November	December	YTD 2020	
Total	332	439	485	488	471	415	34	35	38	42	45	26	43	24	31	14	10	2	344	
County																				
Belknap	17	17	16	27	29	16	0	0	2	2	2	0	1	1	1	1	0	0	0	10
Carroll	9	22	16	12	13	11	2	1	0	3	2	0	1	1	1	0	0	0	0	11
Cheshire	17	11	20	17	32	19	1	1	1	2	0	1	1	1	2	0	0	0	0	10
Coos	9	14	10	12	5	6	1	0	0	1	2	2	0	0	0	0	0	0	0	6
Grafton	17	13	16	26	17	24	0	1	2	1	2	2	1	1	1	0	0	0	0	11
Hillsborough	106	178	199	195	171	155	17	13	11	8	18	10	13	9	10	5	4	2	2	120
Merrimack	40	39	43	43	51	47	4	4	3	4	3	1	6	2	2	1	4	0	0	34
Rockingham	64	89	90	97	89	73	3	6	7	8	6	4	11	2	6	5	0	0	0	58
Strafford	40	47	55	54	50	56	1	3	9	7	6	2	1	4	3	2	2	0	0	40
Sullivan	4	8	9	4	7	7	0	1	1	2	0	1	1	0	1	0	0	0	0	7
Out of State	3	0	2	0	6	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Undetermined	0	0	9	1	1	0	5	5	2	4	4	3	7	3	4	0	0	0	0	37
Gender																				
Male	219	307	336	347	328	288	28	29	28	25	34	19	30	19	20	11	6	2	2	251
Female	107	131	149	141	143	125	6	6	10	17	11	7	13	5	11	3	4	0	0	93
Age																				
0-19	3	8	7	2	4	2	2	0	0	2	0	1	0	0	0	0	0	0	0	5
20-29	79	110	123	118	88	83	8	8	6	7	7	4	7	4	4	0	2	0	0	57
30-39	80	116	147	127	146	132	14	10	14	9	15	6	17	10	9	3	3	1	1	111
40-49	67	99	98	114	114	87	5	5	6	13	8	9	8	4	9	6	4	1	1	78
50-59	78	91	89	98	83	82	3	9	7	8	9	4	10	3	4	3	0	0	0	60
60+	19	14	21	29	36	29	2	3	5	3	6	1	1	3	5	2	1	0	0	32

Overdose Deaths by Town* - 2020 + (Data Source: NH Medical Examiner's Office)

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

+2020 data was reported on January 15, 2021

There are more deaths that are suspected to be drug related, but the official cause of death is pending until the toxicology results are received.

58 CASES PENDING
35 Cases have an unknown location



Prepared by:
NH Information & Analysis Center

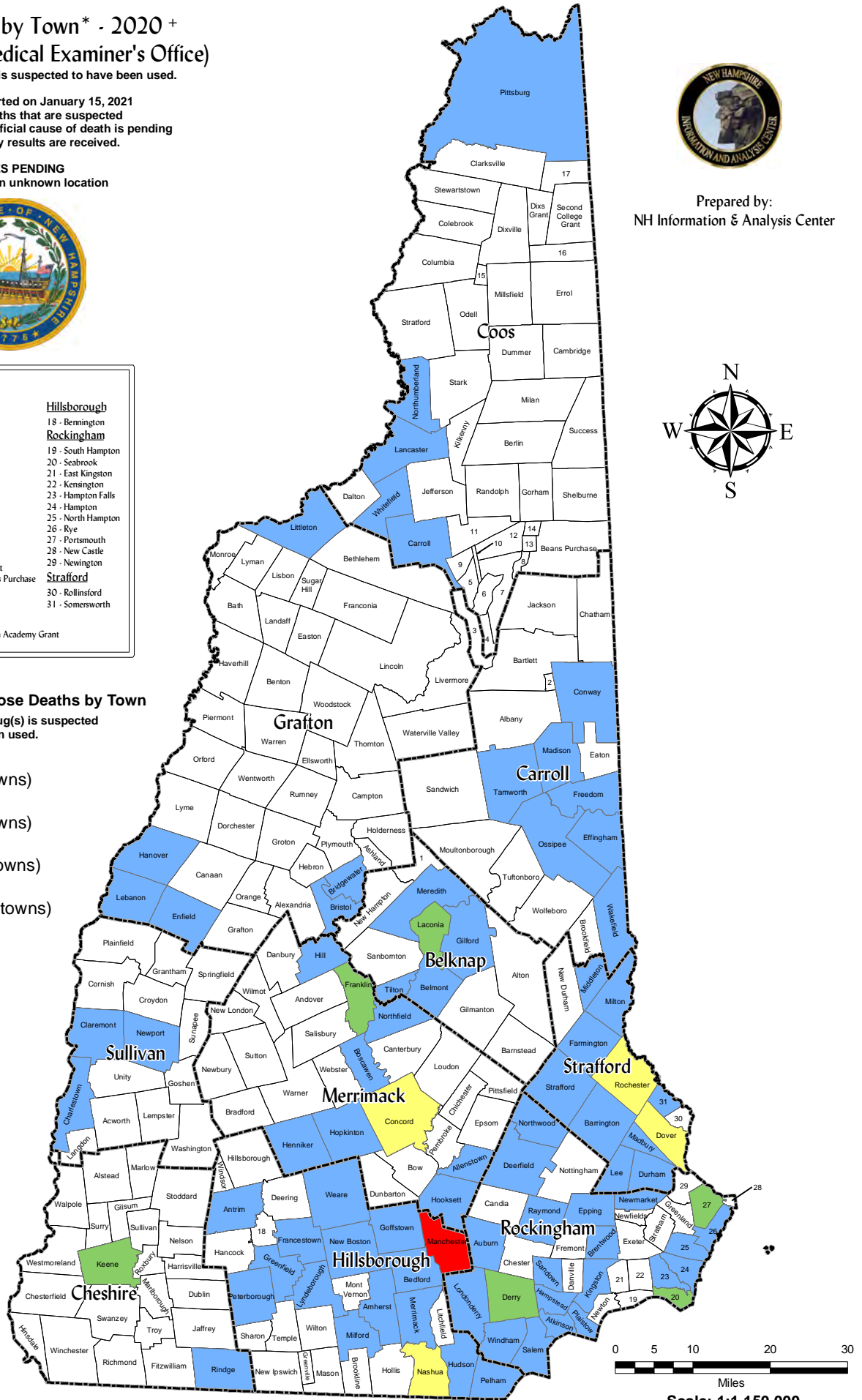
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| 3 - Harts Location | 20 - Seabrook |
| Coos | 21 - East Kingston |
| 4 - Hadleys Purchase | 22 - Kensington |
| 5 - Beans Grant | 23 - Hampton Falls |
| 6 - Cutts Grant | 24 - Hampton |
| 7 - Sargents Purchase | 25 - North Hampton |
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Number of Overdose Deaths by Town

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

- 1 - 5 (75 towns)
- 6 - 10 (6 towns)
- 11 - 25 (4 towns)
- 51 - 100 (1 towns)

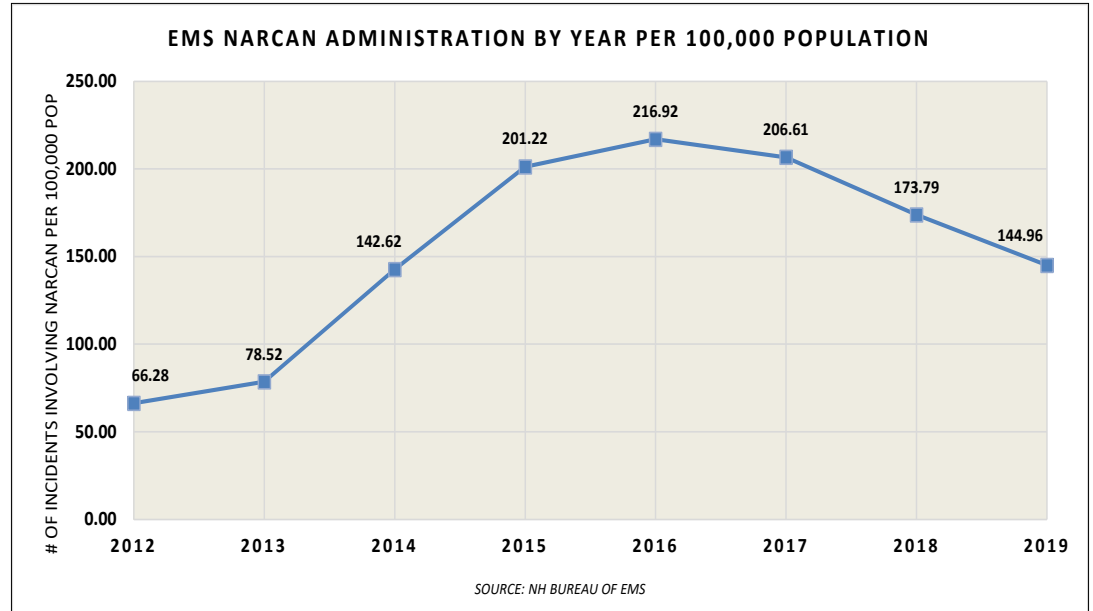


EMS Narcan Administration Incidents:

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

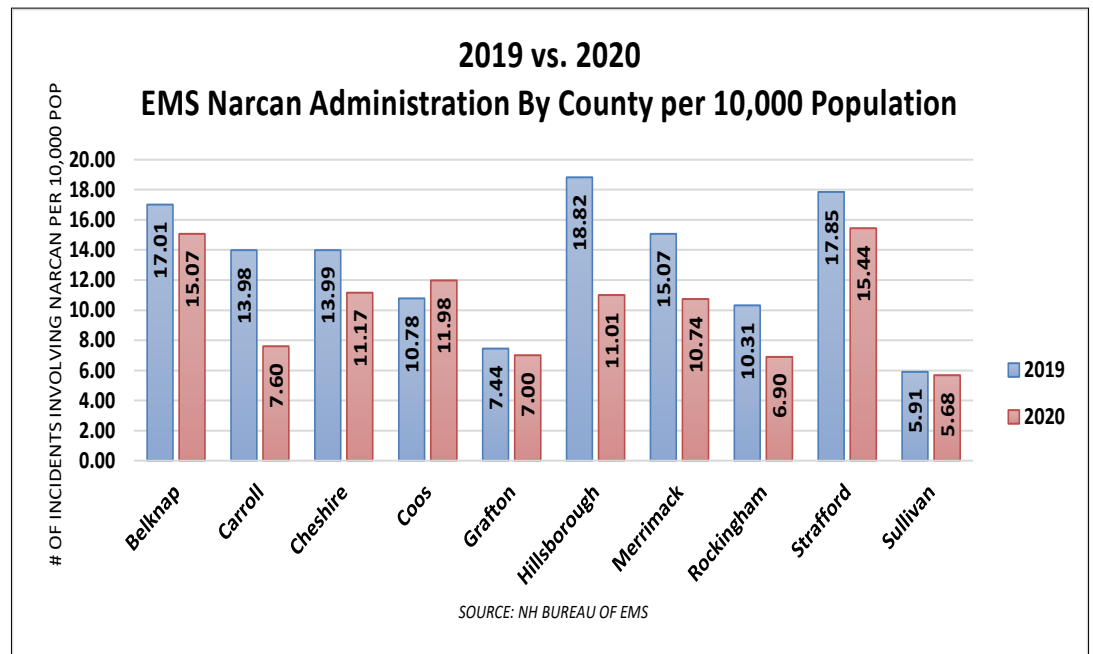
Trends:

- EMS Narcan administration incidents decreased by 30.1% from 2019 to 2020.
- For the second year in a row, EMS Narcan administration was under 2,000 incidents.
- In 2020, Strafford County had the most EMS Narcan administration incidents per capita with 15.44 incidents per 10,000 population and Hillsborough County had the greatest decrease in incidents from 2019 to 2020, with a 41.5% reduction.
- Coos County was the only county thus far to see an increase in EMS Narcan administration from 2019 to 2020 with a 11% increase from 10.78 to 11.98 incidents per 10,000 population.
- The age group with the largest number of EMS Narcan administration incidents was 30-39, which represented 31.2% of all incidents for 2020.

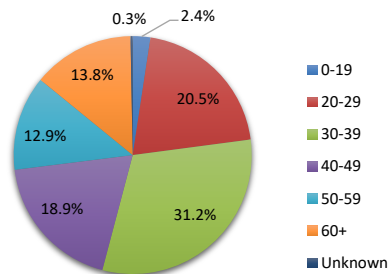


***** IMPORTANT DATA NOTES *****

- 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 may be given for a decrease in alertness or respirations due to an overdose or unknown cause. Therefore, it cannot be concluded that all reported Narcan incidents actually involved drugs.



2020 EMS Narcan Administration by Age Group



EMS Narcan Administration Incidents (Continued):*Data Source: NH Bureau of Emergency Medical Services (EMS)*

	2014	2015	2016	2017	2018	2019	January	February	March	April	May	June	July	August	September	October	November	December	2020
Total	1,892	2,677	2,895	2,774	2,357	1,966	131	95	125	113	129	118	146	118	115	96	90	99	1,375
County																			
Belknap	59	113	116	215	127	105	5	6	9	10	9	6	11	11	4	13	5	4	93
Carroll	52	80	91	68	62	68	5	2	0	1	4	2	7	4	6	2	2	2	37
Cheshire	65	79	144	104	112	109	5	8	7	8	12	9	4	5	6	2	7	14	87
Coos	41	65	65	73	38	36	2	5	5	2	5	3	8	1	1	2	4	2	40
Grafton	56	57	66	84	78	68	5	4	5	5	5	10	5	6	7	4	3	5	64
Hillsborough	757	1,139	1,209	1,140	1,044	778	54	18	41	32	46	36	54	41	38	33	26	36	455
Merrimack	185	228	233	310	247	226	17	14	17	11	15	17	15	14	12	9	11	9	161
Rockingham	380	501	488	503	375	320	22	14	25	20	17	14	19	17	25	18	14	9	214
Strafford	286	380	449	242	255	230	15	22	14	24	15	19	20	17	12	11	14	16	199
Sullivan	11	35	34	35	19	26	1	2	2	0	1	2	3	2	4	2	4	2	25
Gender																			
Male	1,185	1,736	1,916	1,879	1,503	1,342	85	66	89	79	100	84	102	78	75	67	64	65	954
Female	706	938	979	887	730	617	46	29	36	34	33	33	44	39	40	29	26	34	423
Other	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
Age																			
0-19	83	94	87	75	40	48	2	6	3	2	5	1	2	6	1	2	1	2	33
20-29	588	954	973	863	590	487	34	16	31	22	28	30	28	18	17	15	21	22	282
30-39	428	684	853	808	709	605	45	27	31	32	43	38	42	42	46	31	29	23	429
40-49	304	364	385	439	342	290	23	15	28	21	24	21	34	24	20	12	14	24	260
50-59	233	314	327	326	306	285	13	15	22	20	17	8	16	15	9	16	12	14	177
60+	246	256	253	246	237	242	14	16	10	16	11	20	24	12	21	20	12	14	190
Age or Gender Not Given	10	11	17	20	10	14	0	0	0	0	1	0	0	1	1	0	1	0	4

EMS/Narcan Administration by Town
1/1/2020 - 12/31/2020

Data Source: New Hampshire Bureau of EMS

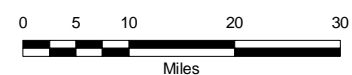
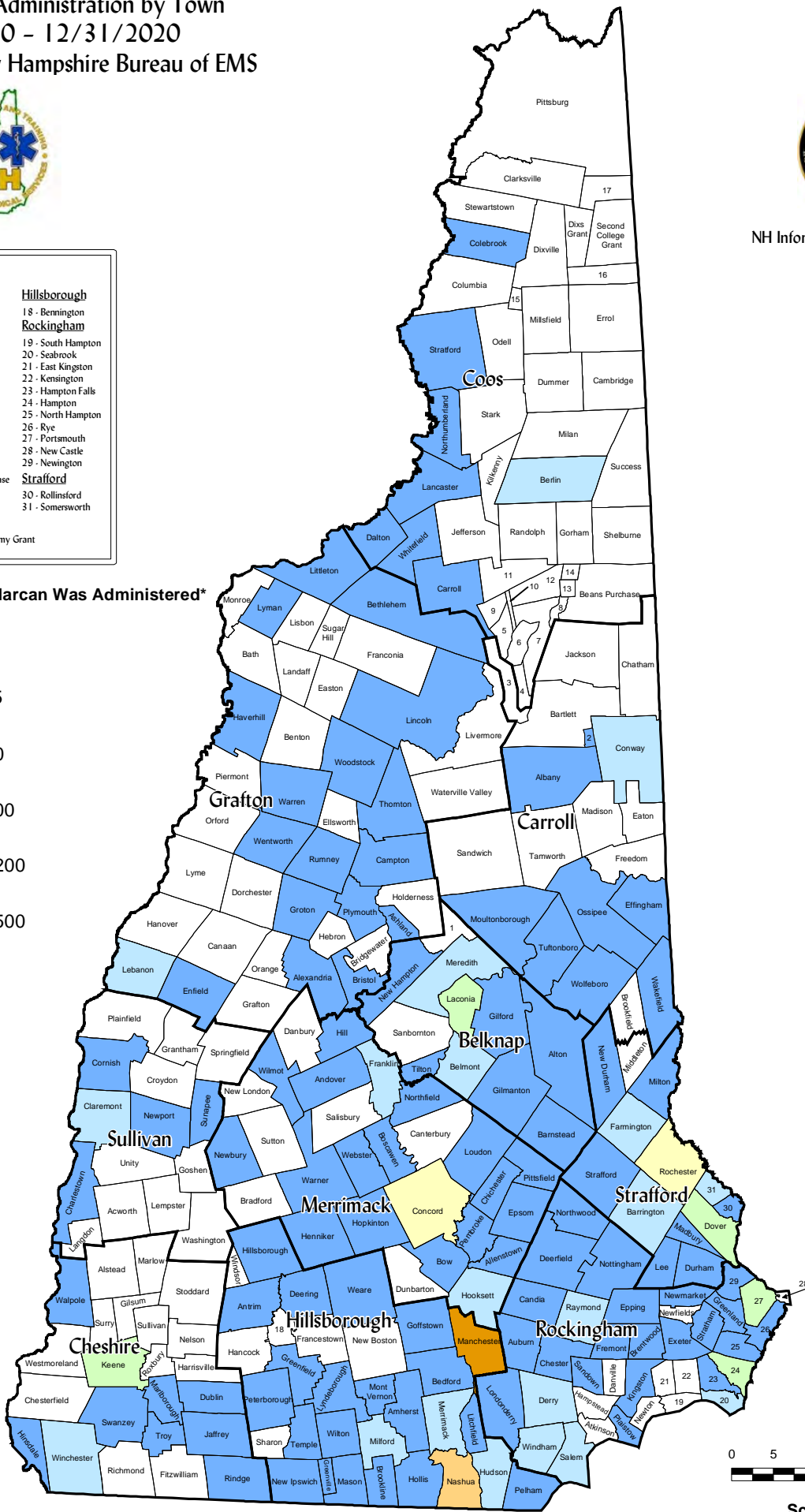


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Incidents Where Narcan Was Administered



Scale: 1:1,150,000

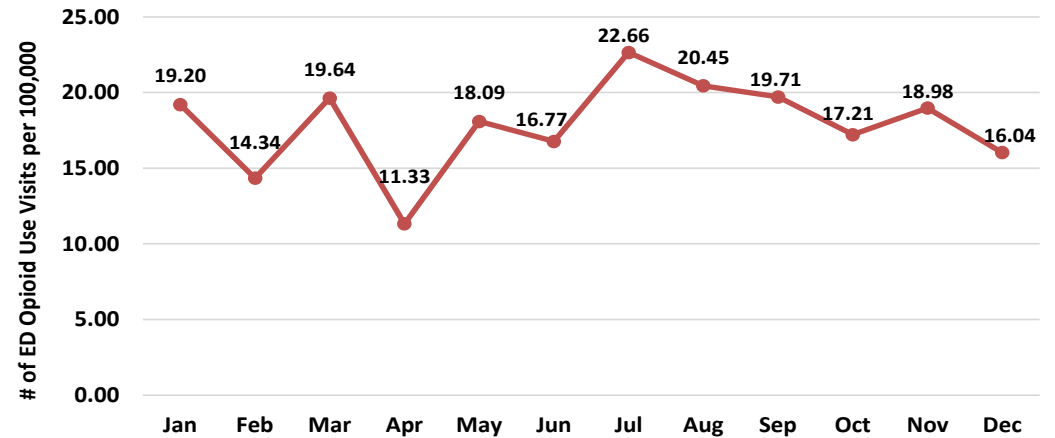
Opioid Related Emergency Department Visits:

Data Source: NH Division of Public Health Services

Trends:

- In 2020, July had the most opioid related ED visits with 22.66 visits per 100,000 population and April had the fewest opioid related ED visits with 11.33 visits per 100,000 population.
- Residents from Strafford County had the most opioid related ED visits per capita with 30.26 visits per 10,000 population in 2020.
- Based on absolute numbers, residents from Hillsborough County had the most opioid related ED visits with 993 visits in 2020.
- In 2020, the age group with the largest number of opioid related ED visits was 20-29 which represented 24% of all opioid related ED visits, followed by 30-39 with 22%.

2020 Emergency Department Opioid Use Visits by Month Per 100,000 Population

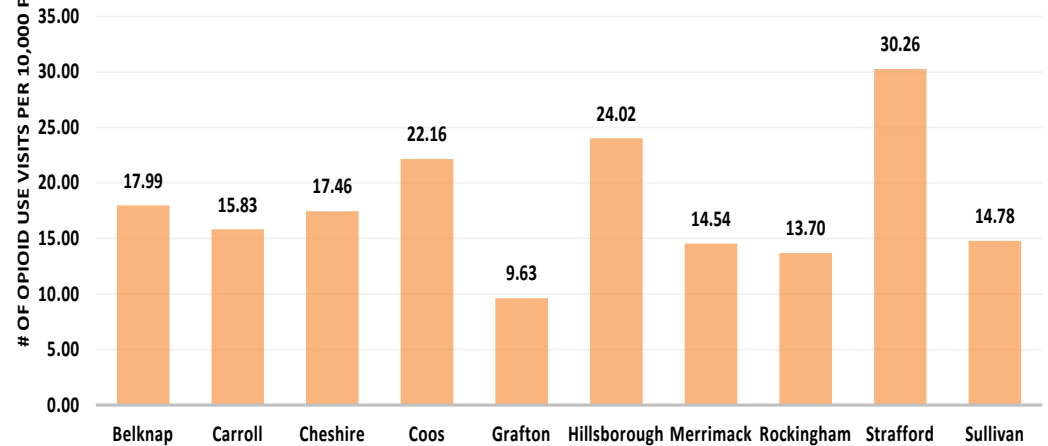


Source: NH Division of Public Health Services

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

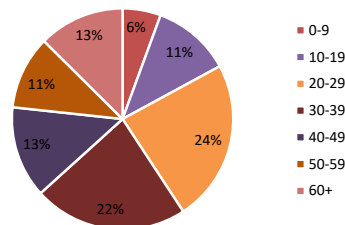
- ***Important Note*:** The data being reported for 2020 has different collection criteria than previous months/years. Due to the new collection criteria, the data is no longer comparable to previous data.
- County represents where the opioid use patient resides.
- These data include data on suspected overdoses categorized as “all drug,” “all opioid,” “heroin,” and “all stimulant.” This report uses key words and ICD-10 associated overdose codes that CDC has defined as tailored to nonfatal opioid overdoses.
- These data are now collected using criteria the CDC established for their Overdose Data to Action (OD2A) grant “making this report more transparent.”

2020 Emergency Department Opioid Use Visit by County per 10,000 Population



SOURCE: NH DIVISION OF PUBLIC HEALTH SERVICES

2020 Emergency Department Opioid Use Visits by Age



Opioid Related Emergency Department Visits (Continued):*Data Source: NH Division of Public Health Services****Important Note*** the data being reported for 2020 has different collection criteria than previous months. Due to the new collection criteria, new data is no longer comparable to previous data.

	January	February	March	April	May	June	July	August	September	October	November	December	2020 Total
Total	261	195	267	154	246	228	308	278	268	234	258	218	2,915
County													
Belknap	5	4	12	4	8	8	12	9	12	18	12	7	111
Carroll	5	3	4	4	4	6	13	9	9	5	9	6	77
Cheshire	11	8	12	7	14	19	9	16	14	6	13	7	136
Coos	5	5	12	2	6	8	12	9	6	5	3	1	74
Grafton	5	0	3	4	6	8	10	8	14	9	11	10	88
Hillsborough	96	71	89	52	98	65	107	88	91	86	74	76	993
Merrimack	24	15	26	10	20	18	20	21	17	14	21	12	218
Rockingham	49	30	23	21	33	27	44	40	37	41	41	39	425
Strafford	30	32	46	18	25	33	47	39	31	29	31	29	390
Sullivan	6	3	7	6	7	3	7	7	6	3	6	4	65
Out of State	25	24	33	26	25	33	27	32	31	18	37	27	338
Gender													
Male	147	108	159	88	132	125	178	149	153	123	150	113	1,625
Female	114	87	108	66	114	103	130	129	115	111	108	105	1,290
Age													
0-9	13	5	14	13	20	16	13	15	17	8	15	14	163
10-19	30	25	29	14	25	17	28	31	32	32	47	25	335
20-29	72	48	58	43	54	60	73	55	55	57	67	48	690
30-39	60	55	55	30	59	56	62	67	63	54	49	47	657
40-49	34	23	41	24	32	26	36	55	39	31	27	23	391
50-59	23	22	36	18	28	24	35	28	28	24	22	25	313
60+	29	17	34	12	28	29	61	27	34	28	31	36	366

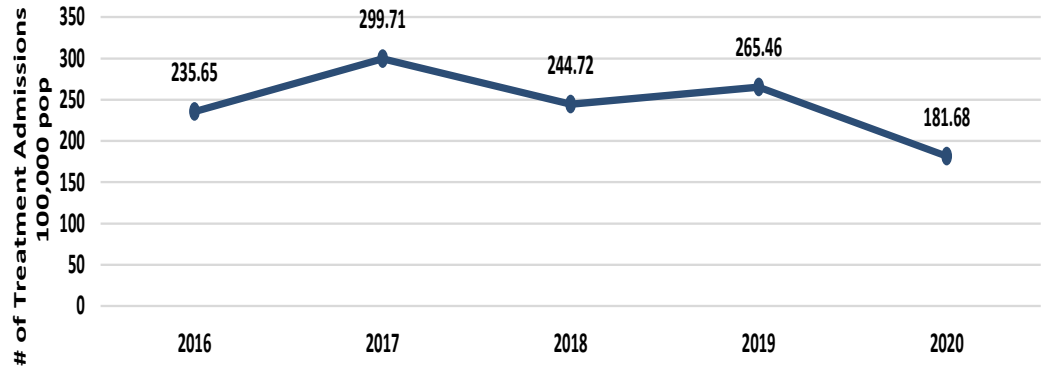
Treatment Admissions:

Data Source: NH Bureau of Drug & Alcohol Services

Trends:

- Opioid/opiate, methamphetamine, & cocaine/crack treatment admissions increased by 32% from 2019-2020.
- In 2020, residents from Hillsborough & Strafford County were admitted most often for opioid/opiate, methamphetamine, & cocaine/crack treatment per capita with 18.48, & 17.61 admissions per 10,000 population respectively.
- Based on absolute numbers, Hillsborough County had the most residents admitted for opioid/opiate, methamphetamine, & cocaine/crack treatment with 764 admissions in 2020, a 27% decrease from 2019, where Hillsborough County also had the most residents admitted.
- In 2020, 81% of treatment admissions for the referenced substances involved opioid/opiates.

Opioid/Opiate, Methamphetamine, & Cocaine/Crack Treatment Admissions by Year per 100,000 Population

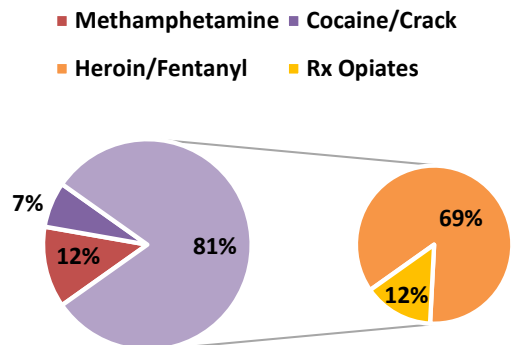


Source: NH Bureau of Drug & Alcohol Services

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

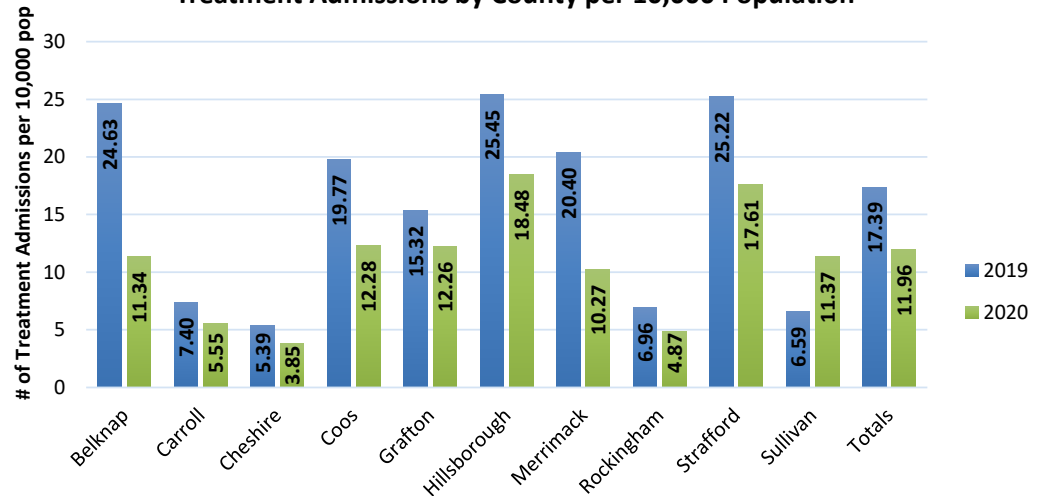
- County represents where the patient resides.
- These data represent treatment admissions to state funded facilities.

2020 Percentage of Opioid/Opiate (Rx Opiate, Heroin/Fentanyl), Methamphetamine, & Cocaine/Crack Treatment Admissions



Source: NH Bureau of Drug & Alcohol Services

2019 - 2020 Opioid/Opiate, Methamphetamine, & Cocaine/Crack Treatment Admissions by County per 10,000 Population



Source: NH Bureau of Drug & Alcohol Services

Treatment data includes opioid/opiate, methamphetamine,
& cocaine/crack admissions

Treatment Admissions (Continued):

Data Source: NH Bureau of Drug & Alcohol Services

	2017	2018	2019	January	February	March	April	May	June	July	August	September	October	November	December	Total 2020
Total	4,024	3,319	3,609	288	237	201	196	176	220	226	212	225	183	142	164	2,470
County																
Belknap	156	114	152	6	6	5	5	3	6	11	8	8	3	5	4	70
Carroll	43	38	36	1	6	1	3	2	6	1	0	1	3	0	3	27
Cheshire	60	32	42	3	3	1	3	3	1	3	0	3	5	1	4	30
Coos	45	42	66	4	6	2	2	1	5	5	1	3	6	4	2	41
Grafton	122	129	140	12	15	5	8	7	11	12	14	12	9	2	5	112
Hillsborough	1,044	797	1,052	91	75	77	72	59	66	76	57	58	48	39	46	764
Merrimack	342	214	306	25	9	13	10	13	16	15	16	11	11	7	8	154
Rockingham	319	233	216	13	17	16	22	9	8	11	8	9	14	12	12	151
Strafford	336	322	325	21	17	17	17	12	21	22	23	25	20	10	22	227
Sullivan	25	14	29	8	2	2	6	3	1	4	3	6	5	7	3	50
Out of State	129	16	65	7	3	3	0	1	2	5	5	10	10	6	11	63
Not Provided	1,403	1,368	1,180	97	78	59	48	63	77	61	77	79	49	49	44	781
Gender																
Male	2,419	1,891	1,964	174	134	103	108	100	138	131	126	134	104	84	106	1,442
Female	1,602	1,425	1,641	114	103	96	88	76	80	95	85	91	78	58	58	1,022
Transgender	2	3	4	0	0	2	0	0	2	0	1	0	1	0	0	6
Age																
< 18	7	2	8	0	0	0	0	0	0	0	0	0	0	1	0	1
18-25	821	581	537	31	35	26	21	25	37	26	28	28	15	21	16	309
> 26	3,196	2,736	3,064	257	202	175	175	151	183	200	184	197	168	120	148	2,160