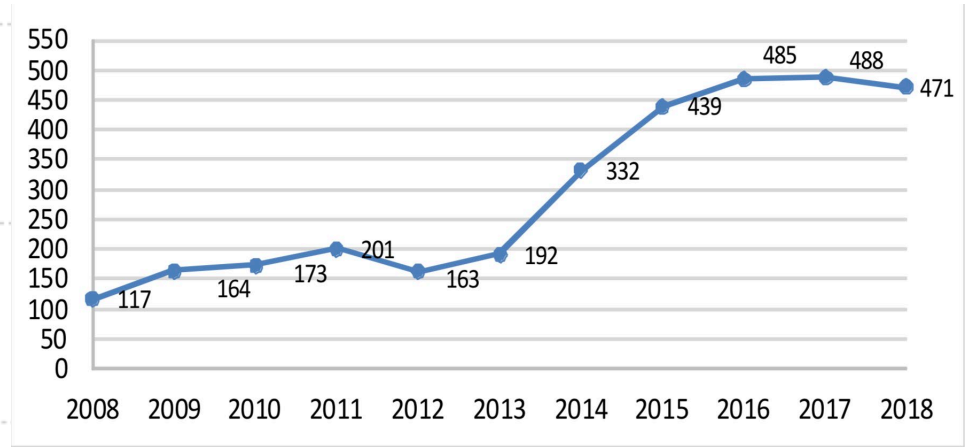
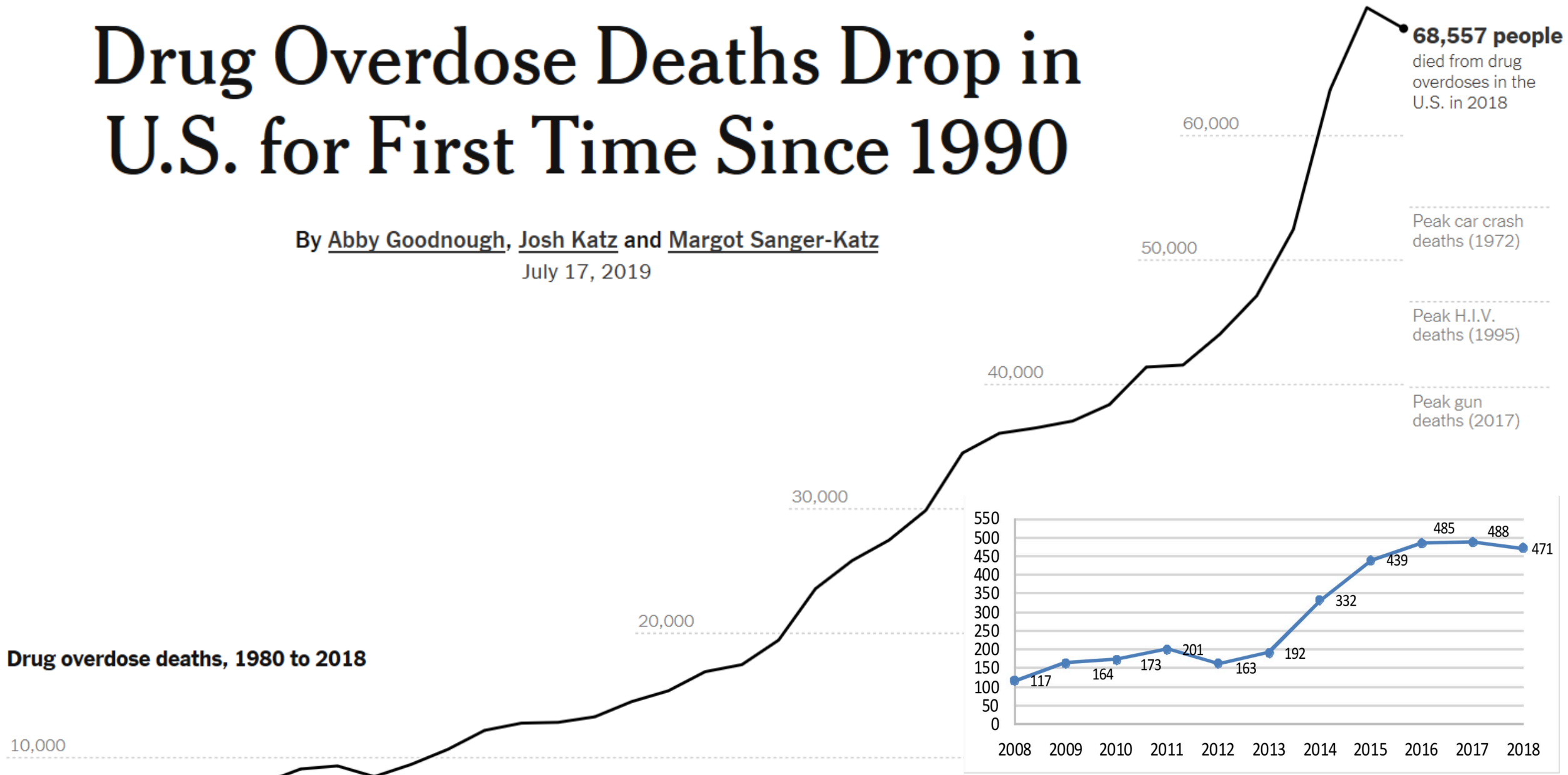




Naloxone Opioid Overdose Intervention

Drug Overdose Deaths Drop in U.S. for First Time Since 1990

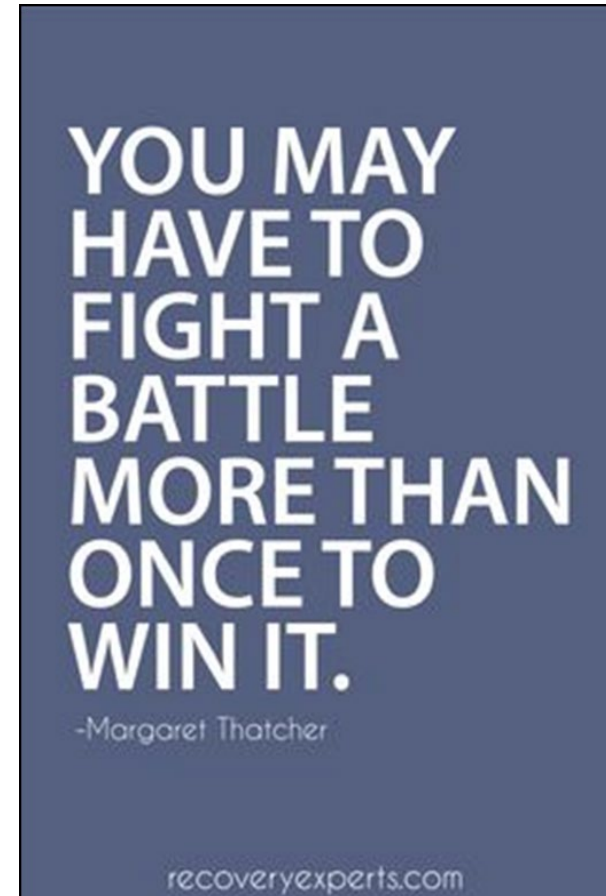
By Abby Goodnough, Josh Katz and Margot Sanger-Katz
July 17, 2019



New Hampshire Overdose Deaths
NH Drug Monitoring Initiative, 2019

Overdose Prevention

- Risk/Harm reduction education
 - Never use alone
 - Do not lock the door
 - Same dealer
 - Avoid combining sedating substances
 - Test shot
 - Fentanyl test strips
 - Aseptic technique
- Refer to appropriate treatment
- Naloxone for patient and supports



How to Recognize an Opioid Overdose

- Small pupils
- Breathing slow, irregular or has stopped
- Nonresponsive to voice or sternal rub
- May also have
 - Blue lips and fingertips
 - Limp and pale
 - Pulse slow, erratic, absent
 - Snoring or choking sounds

TIP: If someone is making unfamiliar sounds while “sleeping” it is worth trying to wake him or her up. Many bystanders think a person is snoring, when in fact the person could be overdosing

Know the Signs of Overdose

Save a Life

Call 9-1-1

Responding to an Overdose

- Assess the scene
- Assess the person
- Call 911
- Rescue breathing as needed
- Turn on side to avoid aspiration
- Administer naloxone
- Stay with the person until help arrives

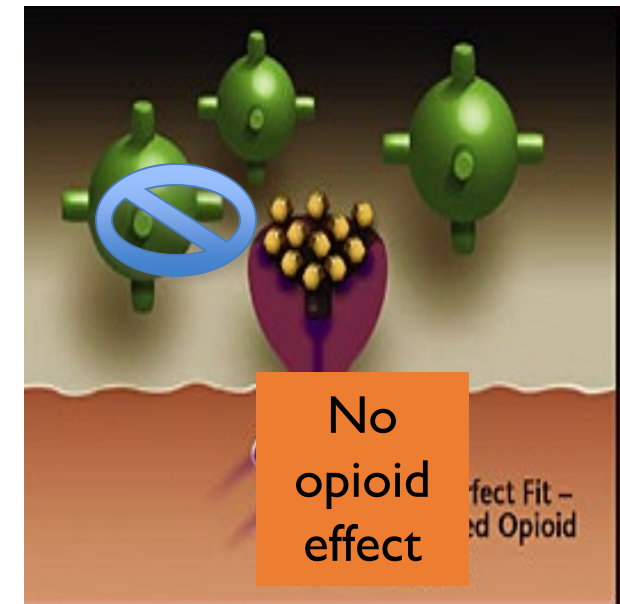
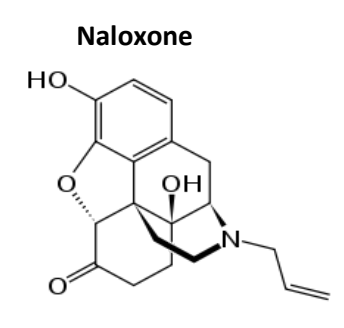
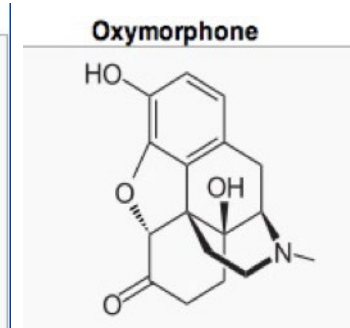
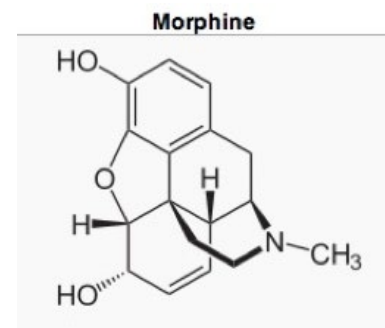
RESCUE BREATHS



- Pinch the nose
- Take a normal breath
- Place lips over mouth
- Blow until the chest rises
- Take about 1 second
- Allow chest to fall
- Repeat

Naloxone (Narcan)

- Opioid antagonist
- Prevents or reverses opioid effects including: respiratory depression, sedation and hypotension
- Onset 1-3 minutes
- Half-life 30-80min
- No psychoactive effects
- Overall very safe
 - Theoretical risk of allergic reaction
 - No clinical effect on persons not on opioids
 - Causes opioid withdrawal



Opioid Withdrawal

- Pain, muscle aching
- Diarrhea, vomiting, abdominal cramping
- Adrenalin release
 - Goose bumps, sweating, pupil dilation
 - Agitation, anxiety, potential for combativeness
 - Increased heart rate, mildly elevated blood pressure
 - Very rare cardiac or pulmonary complications in persons (arrhythmias, MI, pulmonary edema)
 - With pre-existing cardiac disease
 - Possibly with cocaine or other stimulants

*Note: Naloxone associated complications are very rare.
NH law protect all from naloxone associated liability.*

Naloxone

Routes of administration

IM/IV

- Fast onset
- Predictable effect
- Needle stick risk
- Less expensive
- Less user friendly to some

Intranasal

- Fast, may be slightly slower
- Less predictable
- No needle stick risk
- More expensive
- More user friendly to many

Robertson TM, Hendey GW, Stroh G, Shalit M. Intranasal naloxone is a viable alternative to intravenous naloxone for prehospital narcotic overdose. Prehosp Emerg Care. 2009 Oct-Dec;13(4):512-5

Naloxone Products

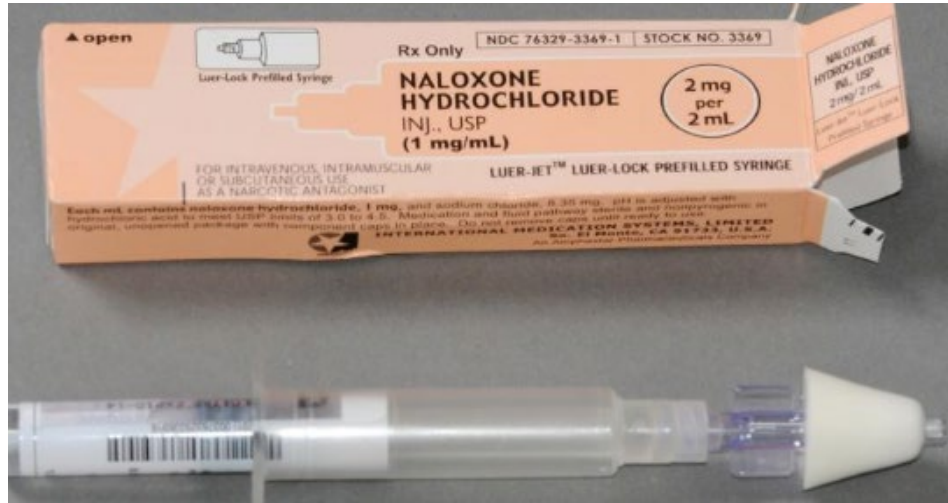
Formulated for lay use



- Naloxone 4mg single dose nasal spray
- Spray contents into one nostril.
- Repeat in opposite nostril if no response after 2-3min

- Evzio 2mg auto injector
- Pull open and voice guided instructions activate
- Follow injection instructions
- Repeat after 2-3 minutes if needed

Naloxone Products



- Naloxone solution, 1mg/ml
- Intranasal adaptor can be attached to syringe
- 2 ml each nostril for total 4mg
- Kits may be pre-filled with naloxone and adaptor attached



- Naloxone vial, 0.4 mg/ml
- With needle & syringe
- Start with 1-2 ml
- Repeat 1-3 minutes if needed
- Kits may be pre-loaded with naloxone and needle attached.

Naloxone

Who should have it available?

- Clinics who treat people at risk of opioid overdose (all clinics)
- Persons with opioid use disorder including those on MAT
- Persons with history of OUD
- Persons prescribed opioids at higher risk for mis/overuse
 - EG, history of substance addiction; mental health issues, suicidality, impulsivity; unmet pain needs; chemical copers/self treaters of mood, sleep, memories; recreational drug users; people with cognitive limitations; people with medical conditions such as COPD, sleep apnea
- All patients prescribed higher dose opioids?
- All patients prescribed opioids?
 - Should opioids & naloxone be prescribed as companions like insulin & glucose?

Naloxone

Sources

- In pharmacies on demand, by standing order, no prescription needed (Some do not stock.)
- By prescription of FDA approved formulations
 - Evzio, voice guided IM injector
 - Narcan Nasal intranasal spray
 - Generic or branded IM/IV vials with syringe
- By distribution through Doorways or other sources
 - Nasal kits
- Through syringe service programs
 - Mostly inexpensive IM vials

Available without Prescription (Standing Order)



[ABOUT](#) [GET HELP](#) [WHAT IS SUD?](#)

Find a Pharmacy

Find a pharmacy with standing orders for naloxone (Narcan).

The pharmacies listed here have naloxone (Narcan) available for purchase. In most cases the medication is covered by insurance. Please call the pharmacy ahead of time to ensure that they have kits available when you arrive.

Locate a pharmacy near you:

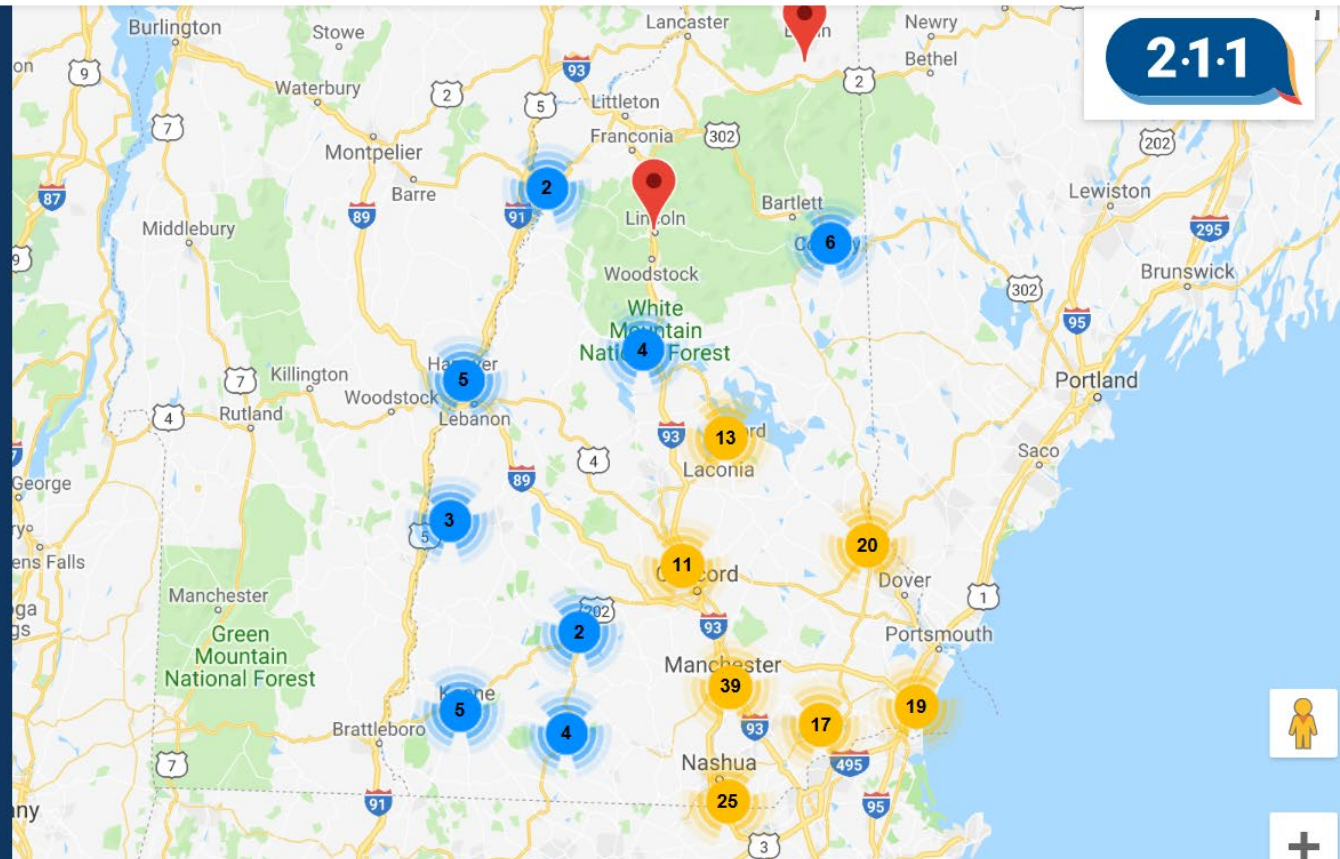
Within:

50 mi



Zip code...

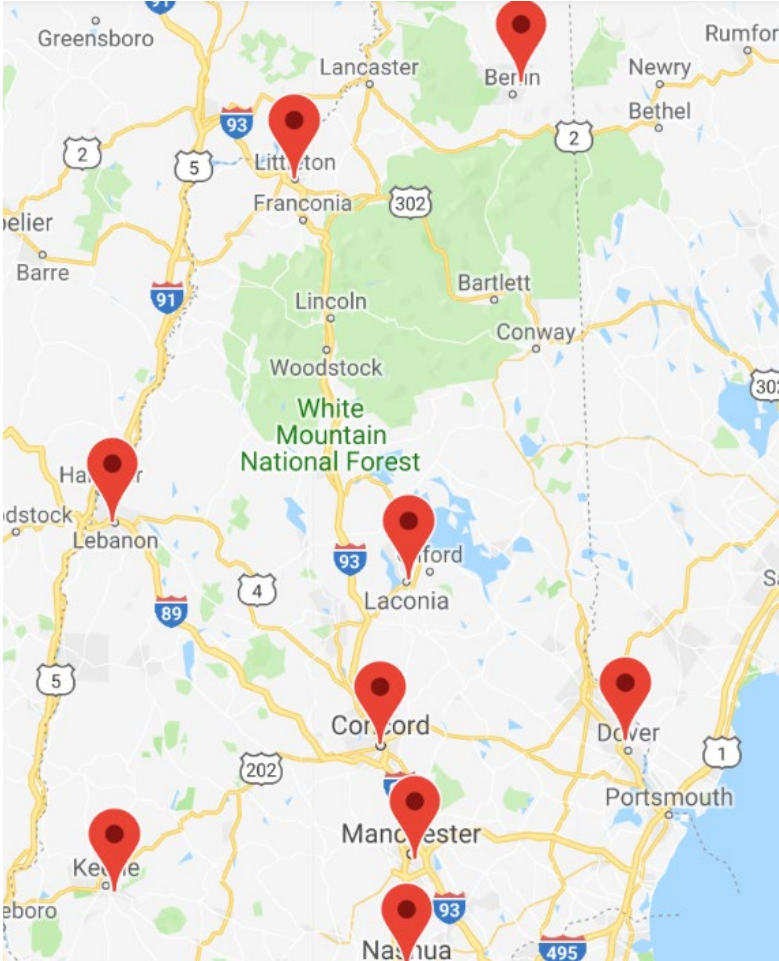
APPLY



Free Naloxone

NH Thru Doorways

<https://thedoortway.nh.gov/avoid-overdose>



VT

<http://www.healthvermont.gov/response/alcohol-drugs/narcan-naloxone-overdose-rescue>

An interactive map of Vermont showing 41 naloxone distribution locations marked with orange pins. A search bar at the top left allows finding an address or place. On the right side, a legend shows a pin icon for 'Naloxone Distribution Locations' with a count of 41. Below the legend is a table listing the locations and their respective counts.

Location	Count
Barre	3
Bennington	1
Berlin	1
Brattleboro	4
Burlington	5
Hartford	1
Middlebury	1
Montpelier	1
Morrisville	2
Newport	2
Randolph	1
Rutland	4
South Burlington	1
Springfield	1
St. Albans	3
St. Johnsbury	3

eDH: Unhealthy drug use smartset

▼ Naloxone

Narcan nasal spray is covered by NH and VT Medicaid and by most private insurers. The generic rescue kit is less expensive, and can be obtained without prescription at CVS and Rite Aids in NH.


- naLOXone (NARCAN) Rescue Kit
- naloxone (NARCAN) 4 mg/actuation Spray, Non-Aerosol
Disp-2 each, R-0, Normal
- naloxone (NARCAN) 2 mg/0.4 mL Auto-Injector
Disp-2 mL, R-0, Normal

naLOXone (NARCAN) Rescue Kit

Both orders are necessary. Give patient assembly instructions and overdose prevention handout available here: http://prescribetoprevent.org/wp2015/wp-content/uploads/CA.Detailing_Patient_final.pdf


naloxone (NARCAN) 1 mg/mL Syringe

For opioid overdose, spray 1 mL in each nostril. Repeat after 3-5 minutes if no or minimal response. Call 911 before administration., Disp-4 mL, R-0, Normal

⚠ This medication will not be e-prescribed. Invalid items: Pharmacy Details... 

Miscellaneous Medical Supply Misc

Script for two intranasal mucosal atomizing devices for use with naloxone syringe., Disp-2 each, R-0, Normal

⚠ This medication will not be e-prescribed. Invalid items: Pharmacy Details... 

Two overlapping green circles are centered on the page. The left circle is a darker shade of green, and the right circle is a lighter shade. They overlap in the middle.

Thank You!