



Maine EMS' Programming to Respond to the Ongoing Opioid Crisis

September 1, 2023

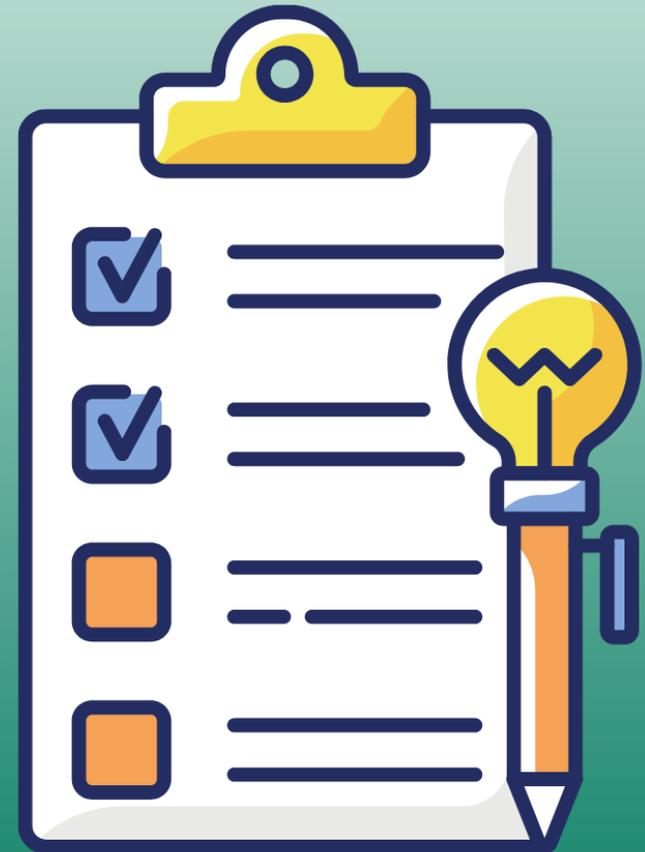
Agenda

Maine EMS Data

- Overview
- Data Analytics
- Surveillance

Maine EMS Programming

- Ambassador Program
- Naloxone Leave Behind
- OPTIONS Referral Pilot
- Medication for Opioid Use Disorder (MOUD)



Overview of EMS SUD Data



Single statewide electronic patient care report

Non-fatal and fatal overdose patient encounter data*

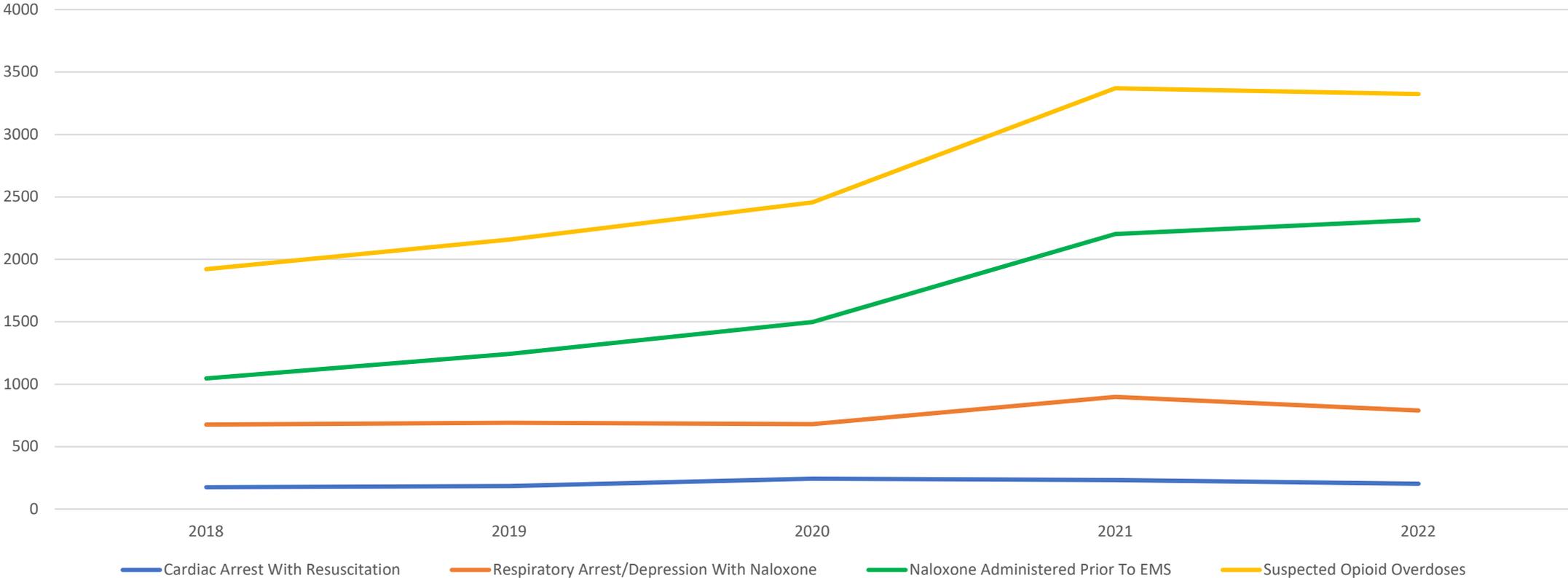
Nationally-defined standardized data elements

A screenshot of the MAINE EMS software interface, specifically the "Run Form Start" screen. The interface is displayed on a laptop screen. On the left side, there is a vertical navigation menu with several red and blue buttons: "Run Form Start" (red), "Dispatch" (red), "Response" (blue), "Arrival" (blue), "Assessment" (blue), "Treatment" (blue), "Narrative" (red), "Billing Info" (blue), "Signatures" (blue), and "Go To Fire Incident" (blue). The main area of the screen is titled "Run Form Start" and contains various data entry fields. These include: "PSAP Call Date/Time:" with a date and time picker; "Dispatch Notified Date/Time:" with a date and time picker; "Unit Notified by Dispatch Date/Time:" with a date and time picker; "Unit En Route Date/Time:" with a date and time picker; "Unit Arrived on Scene Date/Time:" with a date and time picker; "Arrived at Patient Date/Time:" with a date and time picker; "Unit Left Scene Date/Time:" with a date and time picker; "Patient Arrived at Destination Date/Time:" with a date and time picker; "Destination Patient Transfer of Care Date/Time:" with a date and time picker; "Unit Back in Service Date/Time:" with a date and time picker; "Type of Service Requested:" with a dropdown menu; "Primary Role of the Unit:" with a dropdown menu; "Incident/Patient Disposition:" with a dropdown menu; "EHS Response Number:" with a text input field containing "DEMO-22-644"; and "Incident Number:" with a text input field containing "DEMO-22-644". At the bottom of the screen, there is a status bar that reads "No Patient Name Entered | Incident Number: DEMO-22-644" on the left, "26 Validation" in the center, and "Status: In Progress" on the right.

Tell me more...



Maine EMS Responses to Suspected Opioid Overdoses (2018-2022 YTD)

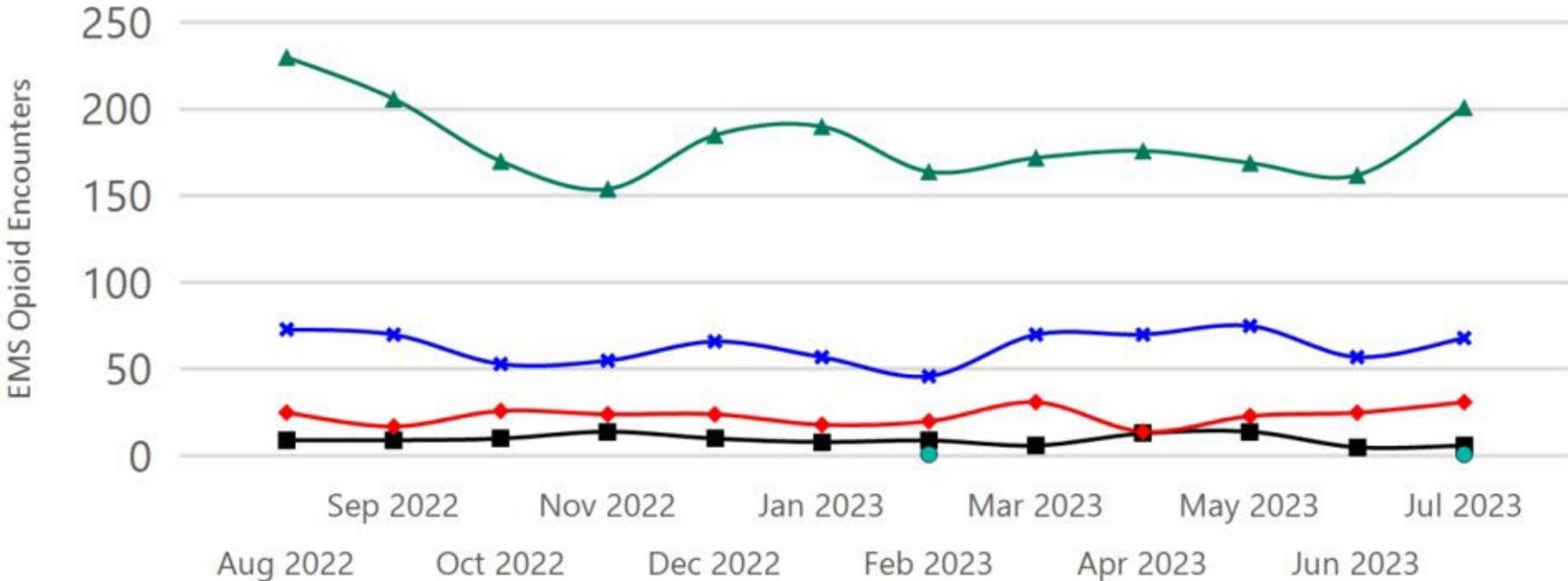


Tell me more...

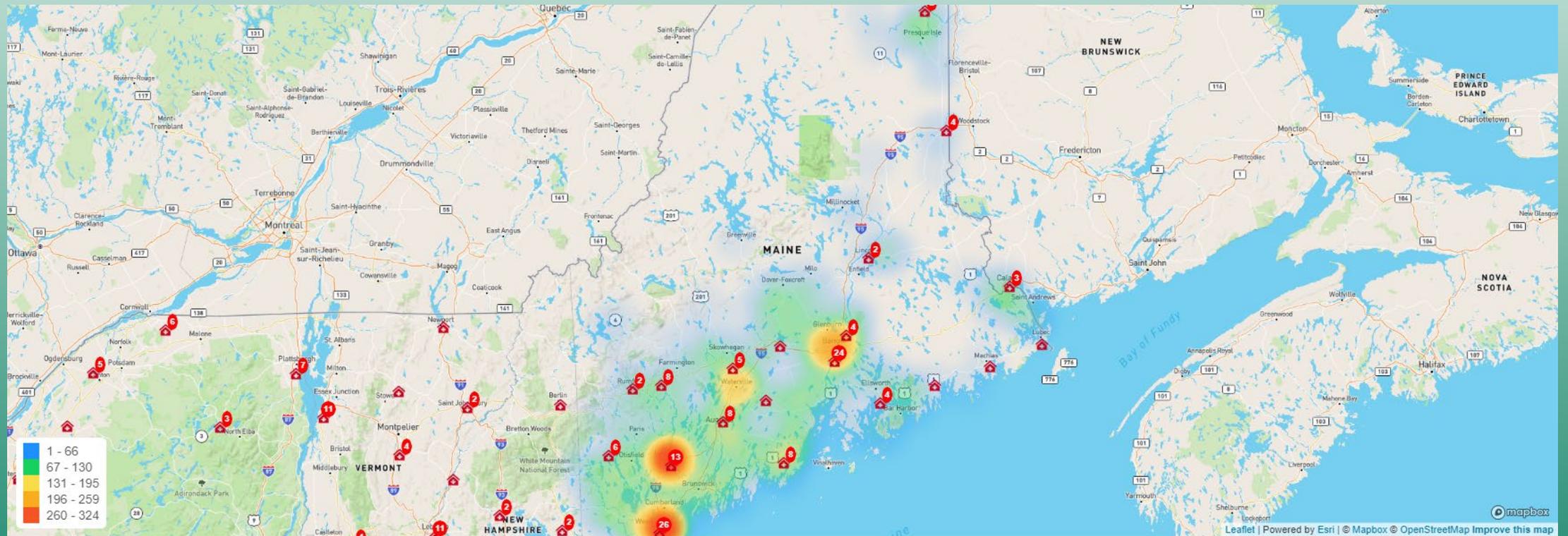


EMS Opioid Patient Disposition Over 12 Months

- Deceased (113)
- Other (2)
- Patient Declined Care (278)
- Transported (2179)
- Treated/Evaluated, No Transport (760)



Data Analytics Capabilities



2022

Overdose Dashboard



1,376

MAINE EMERGENCY MEDICAL SERVICES (EMS) ENCOUNTERS FOR SUSPECTED OVERDOSES: AUGUST 2022¹

41 (2.98%) overdoses had fatal outcomes

5 (0.36%) overdoses involved pregnancy

181 (13.15%) overdoses involved homelessness

241 naloxone doses administered²

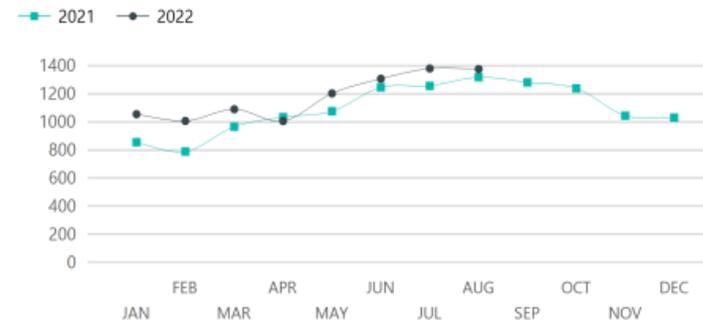
Note: Counts based upon Maine Emergency Medical Patient Care Reporting System (MEFIRS)

¹Case Definition: EMS activations with a scene location within the State of Maine and where the primary or secondary impression indicates an overdose or the patient was provided naloxone.

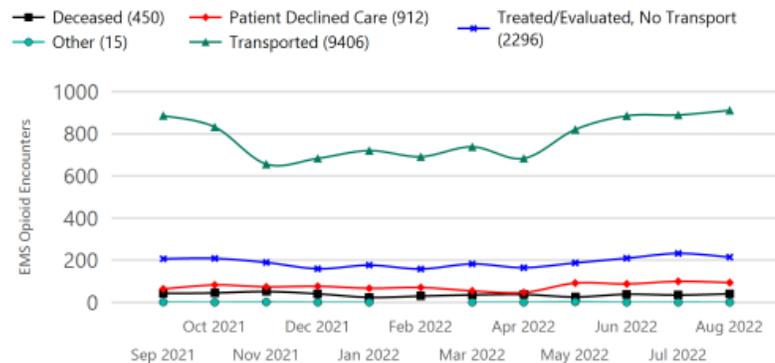
Fatal Outcomes: Fatality occurred prior to EMS Arrival or while in EMS Care

²Naloxone administrations: 162 of 343 opioid overdose patients (47.23%) received naloxone of which 54 received multiple doses

Suspected Overdose Encounters by Month: 2021-2022



EMS Overdose Patient Disposition Over 12 Months



Last 12 Month EMS OD Encounter Locations

Location Type	Count	%	Top 3 Aug 22
Residential	7653	56.03%	Residential (688)
Street, Sidewalk, Outdoors	2808	20.56%	Street, Sidewalk, Outdoors (277)
Retail Building	554	4.06%	Retail (80)
Other	545	3.99%	
Hotel/Motel	515	3.77%	
Healthcare	405	2.97%	
Nursing, Boarding, Res. Institution	376	2.75%	
Recreational	331	2.42%	
Educational	242	1.77%	
Industrial, Military, Transit Site	230	1.68%	

Maine Emergency Medical Services
152 State House Station
Augusta, Maine 04333

More info on overdoses in Maine can be found at [Maine Drug Data Hub](#)



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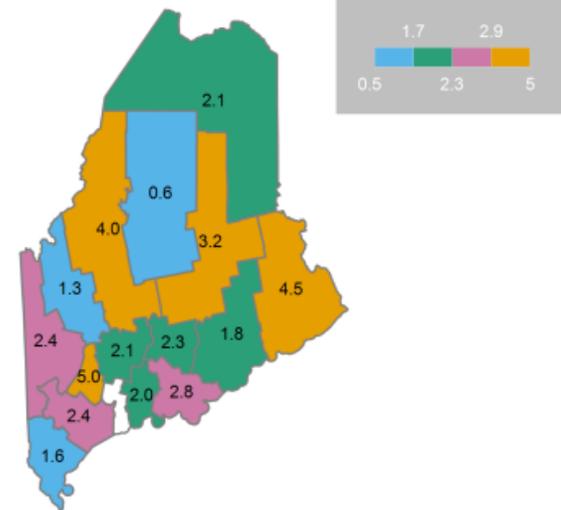
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Opioid Dashboard (pg. 2)



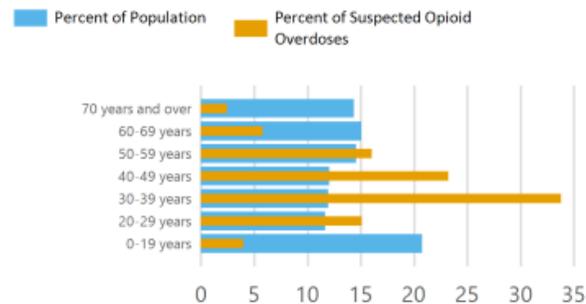
EMS Suspected Opioid Overdose Rate Per 10,000 Population by County: Aug 2022



County	Opioid Encounters	Rate Per 10,000 Pop.
Androscoggin	54	5.0
Aroostook	14	2.1
Cumberland	70	2.4
Franklin	4	1.3
Hancock	10	1.8
Kennebec	26	2.1
Knox	11	2.8
Lincoln	7	2.0
Oxford	14	2.4
Penobscot	49	3.2
Piscataquis	1	0.6
Somerset	20	4.0
Waldo	9	2.3
Washington	14	4.5
York	33	1.6
Total	336	2.6

Demographics of Suspected Opioid Overdose EMS Encounters August 2022

EMS Suspected Opioid Encounters by Age Group



Females account for 49% of Maine's population and 33% of opioid overdoses



Males account for 51% of Maine's population and 67% of opioid overdoses

Maine Emergency Medical Services
152 State House Station
Augusta, Maine 04333

Overdoses are preventable [Know Your Options](#)



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Substance Use Disorder Care Ambassador Program



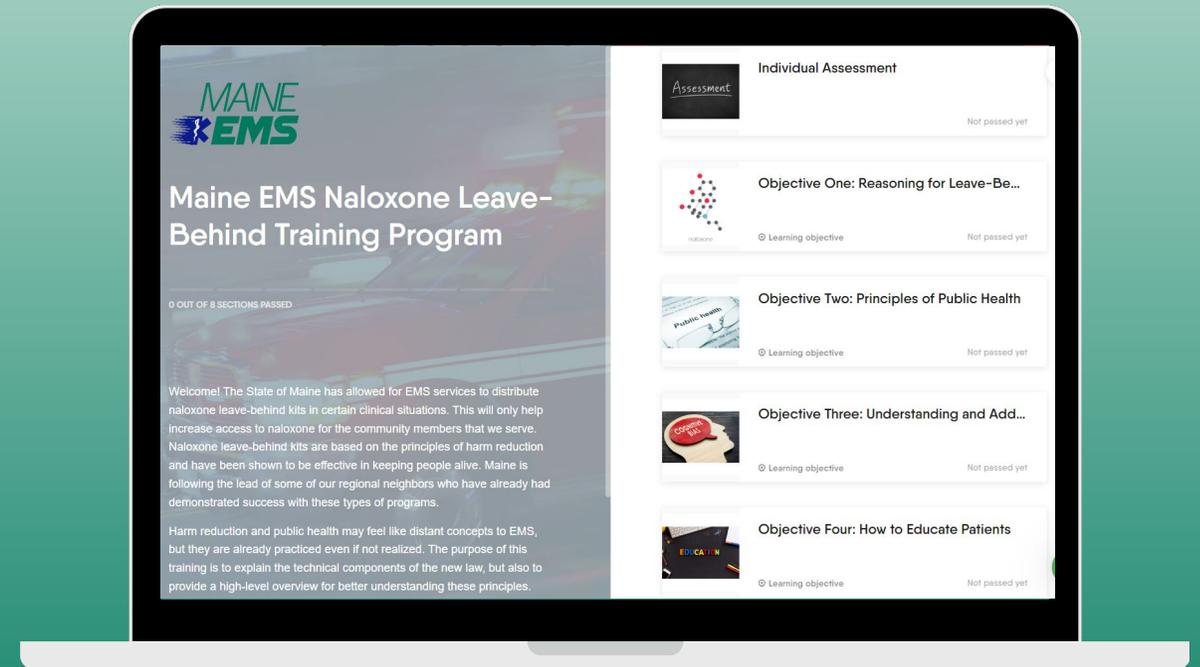
- Designed to provide outreach and education
- Small team of contracted EMS professionals
- Preliminary Data and Impact
- Future Ambassador Programming

Naloxone Leave Behind Program



LD 1333 -- An Act Concerning the Dispensation of Naloxone Hydrochloride by Emergency Medical Services

LD 981- Requiring EMS Clinicians to offer patients, patients' family or patient's friends on scene leave-behind naloxone if patient refuses transport- new Standard of Care effective December 1, 2023



Naloxone Leave Behind Program



How It Works:

When a clinician dispenses naloxone to a patient, the patient receives a naloxone kit (typically in the form of 4mg nasal spray) and educational materials that provide an overview of how to use naloxone as well as community resources for individuals experiencing substance use

Easy for EMS agencies to implement, with no cost to EMS agencies

-Required Online Training

-Federal Funding for Naloxone



Naloxone Leave Behind Program



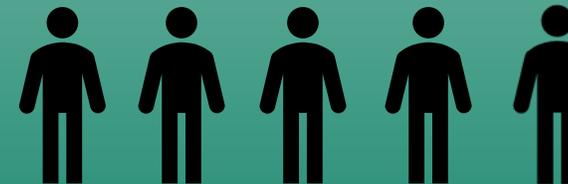
22% of suspected opioid overdoses ends as an opportunity to leave naloxone behind
18 attempts for every 100 opportunities to leave naloxone behind were made

Over half were successful when offered

Rate per 100 when a kit was left behind for a patient who then suffered a subsequent overdose and was documented as a field fatal outcome by EMS clinicians



Rate per 100 when a kit was **NOT** left behind for a patient who then suffered a subsequent overdose and was documented as a field fatal outcome by EMS clinicians



91 of 275 (33%) of EMS agencies have ordered Naloxone kits
1164 of 6001 (19%) of EMS Clinicians have completed the Naloxone Training

Data as of Aug 28, 2023

OPTIONS (Overdose Prevention Through Intensive Outreach Naloxone & Safety



*~22% Transport
Refusal Rate*

OPTIONS Initiative is a coordinated effort with Maine Office of Behavioral Health, Maine Emergency Medical Services and other state agencies for Harm Reduction

OPTIONS Liaisons for all 16 Maine Counties; they work alongside First Responders

OPTIONS Referrals :When a suspected overdose patient refuses transport to the hospital:

1. Patient signs consent in MEFIRS using OPTIONS Referral Signature
2. Patient contact information sent securely to local Options Liaison
3. OPTIONS Liaison follows up with patient

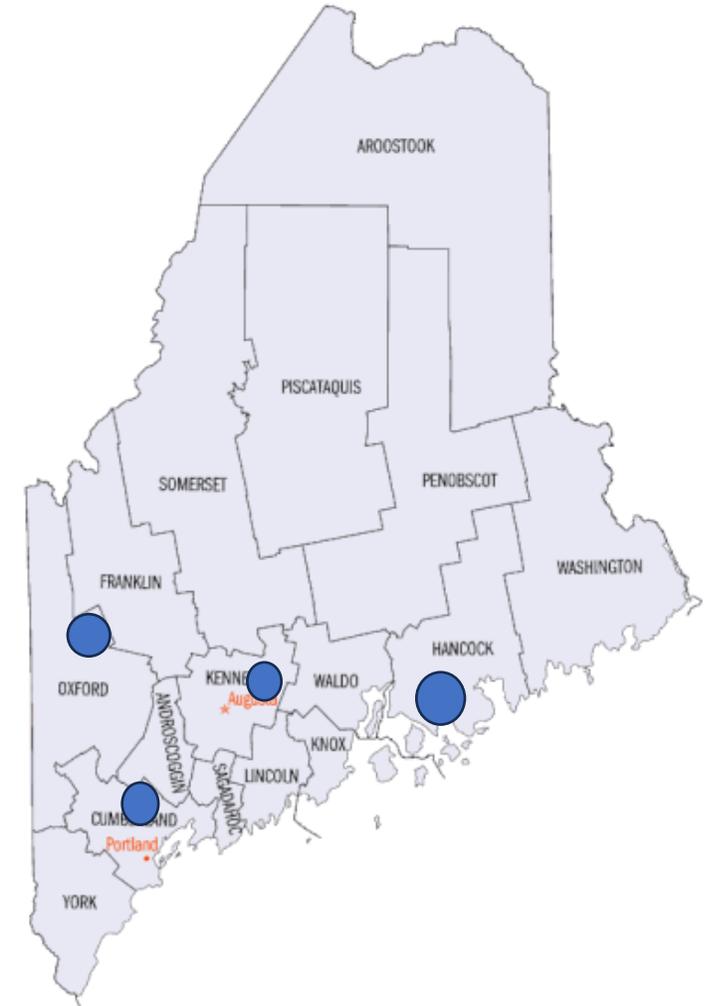
OPTIONS Referral Pilot Program



Pilot of OPTIONS Referral will run through November 30, 2023 with up to 6 EMS agencies

Current and Upcoming Counties:

- Hancock
- Oxford/ Franklin
- Kennebec
- Cumberland



Medication for Opioid Use Disorder



Validated and Evidence-Based

Access and Connectivity to Care

Pathway for Treatment and Recovery

Suboxone Initiation by EMS Clinicians



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Questions

