Dustin's story

Start with this video before sharing slides:

https://youtu.be/BTVLCM6N6H8











USING DATA TO IMPROVE OPIOID PRESCRIBING





CHARLES PATTAVINA, MD

presenter

Disclosures

- MICIS does not accept any money from pharmaceutical companies/commercial interests
- Speakers and planners have no significant or relevant financial relationships to disclose
- I have no conflicts of interest



Objectives

- > Use the PMP as a tool to improve prescribing
- Review data & resources at ME Drug Data Hub
- Support & participate in harm reduction





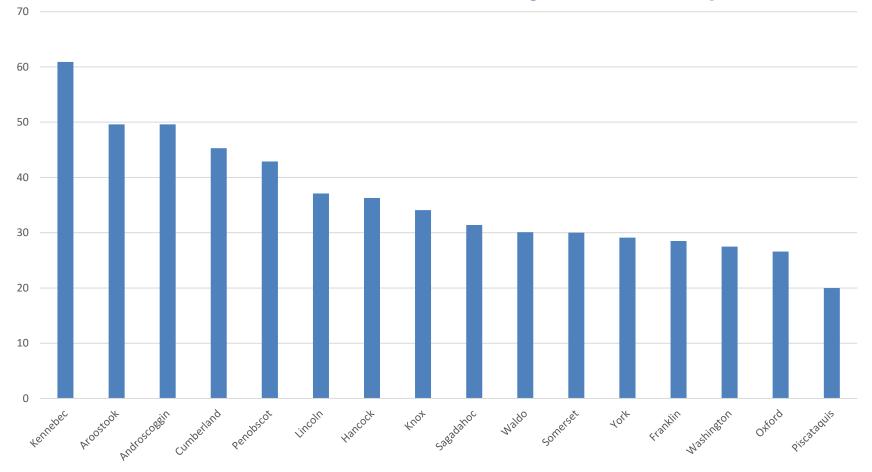
BACKGROUND-OPIOID PRESCRIBING AND MISUSE DATA

US Opioid Prescribing

- > Peaked in 2012
- > 2020 lowest levels since 2005
- Still significantly above pre-opioid crisis prescribing rates of 1990s (about double)
- Some US counties have rates 9x national average (none in Maine)



2020 ME Opioid Prescribing Rates (per 100 residents per year, based on location of prescriber)





Source: https://www.cdc.gov/drugoverdose/rxrate-maps/index.html

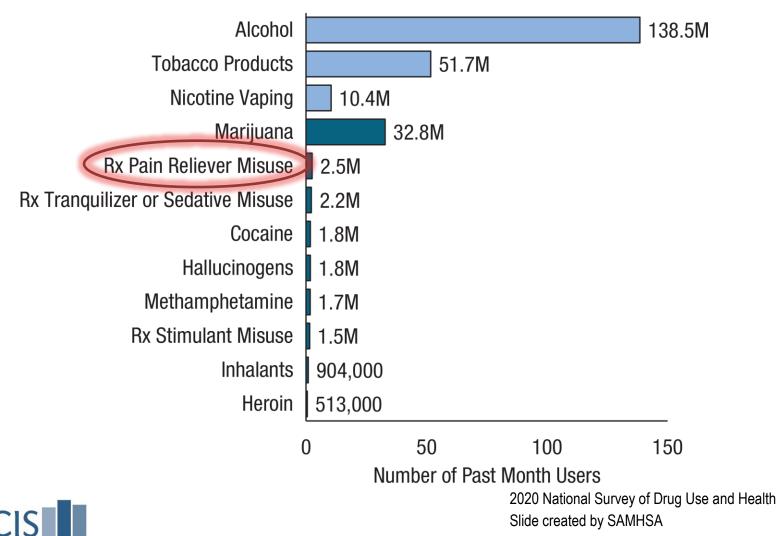
Substance Abuse and Mental Health Services Administration (SAMHSA)

2020 NATIONAL SURVEY ON DRUG USE AND HEALTH

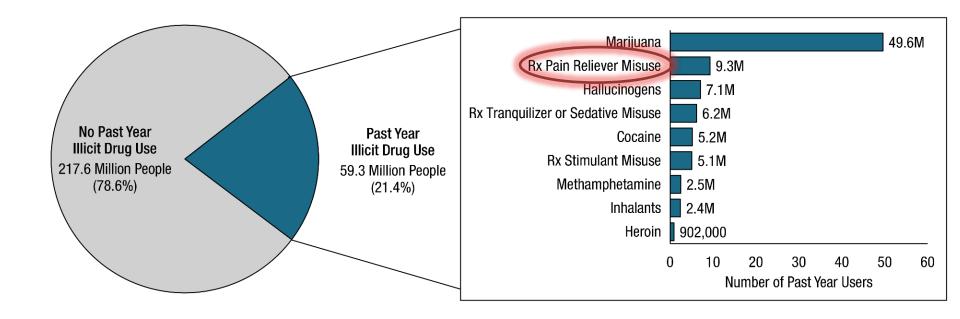


Past Month General Substance Use and Nicotine Vaping:

Among People Aged 12+



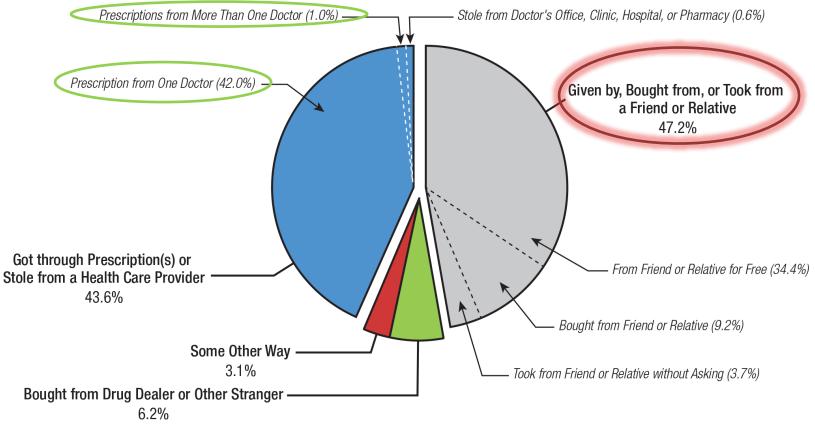
Past Year Illicit Drug Use: Among People Aged 12+





2020 National Survey of Drug Use and Health Slide created by SAMHSA

Source Where Pain Relievers Were Obtained for Most Recent Misuse: Among People Aged 12+ Who Misused Pain Relievers in the Past Year

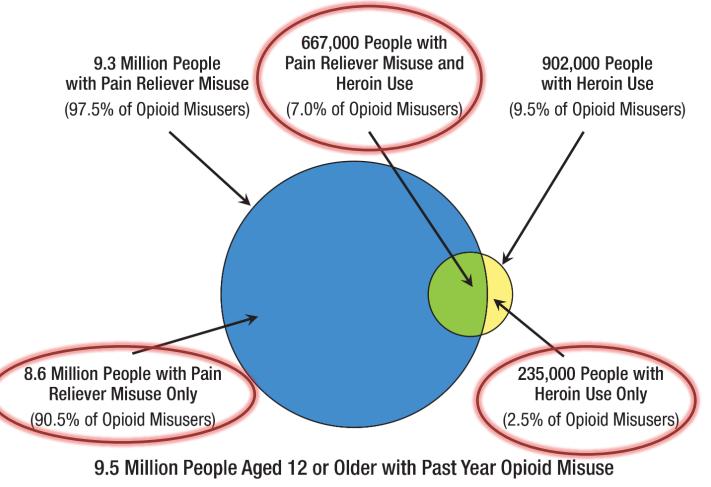


9.3 Million People Aged 12 or Older Who Misused Pain Relievers in the Past Year



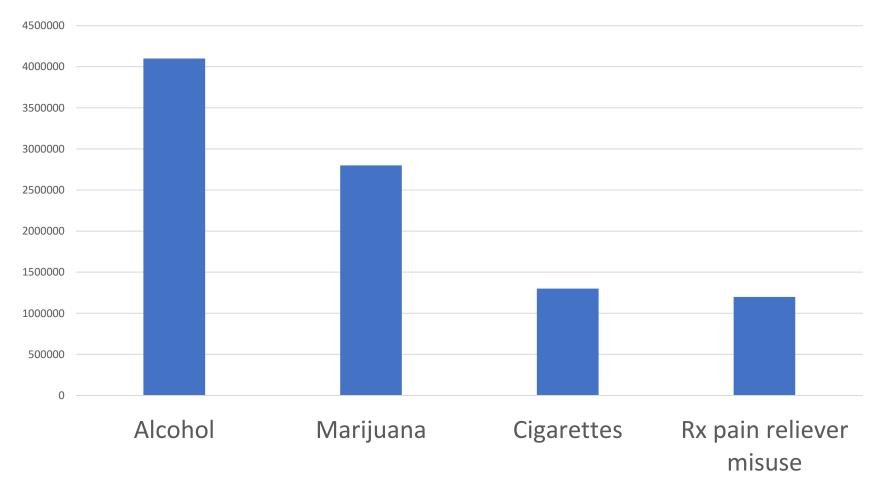
2020 National Survey of Drug Use and Health Slide created by SAMHSA

Past Year Opioid Misuse: Among People Aged 12+





New Substance Initiation 2020





2020 National Survey of Drug Use and Health



MAINE PRESCRIPTION MONITORING PROGRAM (PMP)

Using the PMP

- Develop a standard workflow to check the PMP--"Check your check"
- > Discuss the PMP report with the patient carefully
- Review quarterly
 - high-risk reports
 - patient alert dashboard
 - prescriber report
 - MyRX
- Use as a registry for QI projects

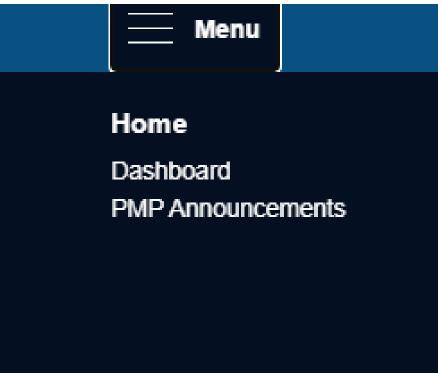


2022 Updates from the Maine PMP

- Regular confirmation of prescriber + delegate information
- Additional states being added to multi-state platform
- Backend query that PMP is being checked before prescribing opioids/benzos (**make sure delegate attributing correctly**)
- Deceased patients will be flagged



Check your own Prescriber Report & MyRX

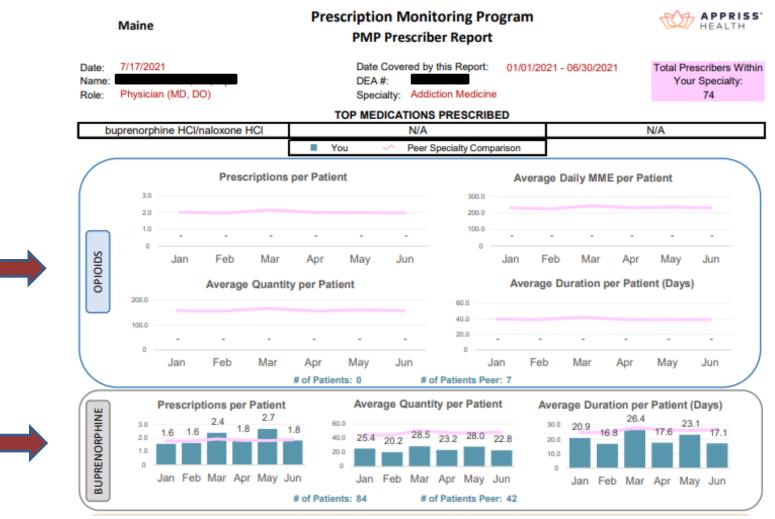


RxSearch

Patient Request Bulk Patient Search Requests History <u>Prescriber Report</u> MyRx Patient Aierts



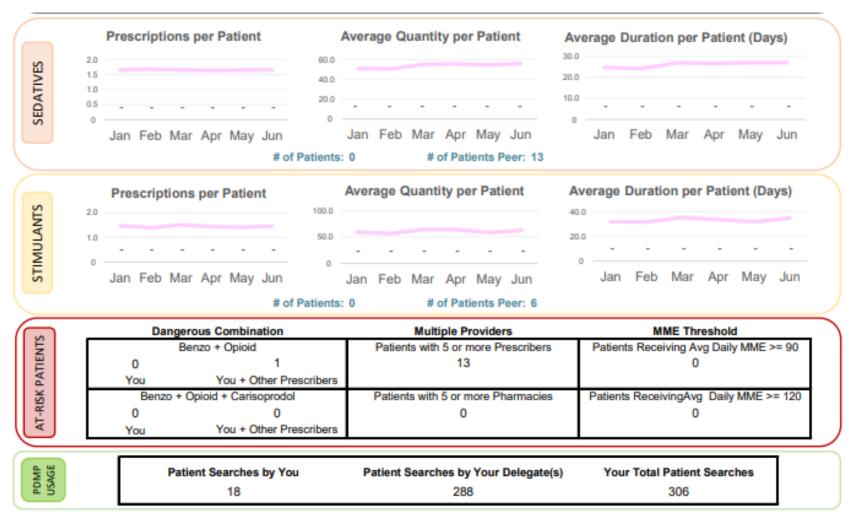
Prescriber Report





**personal data from author, contains no PHI

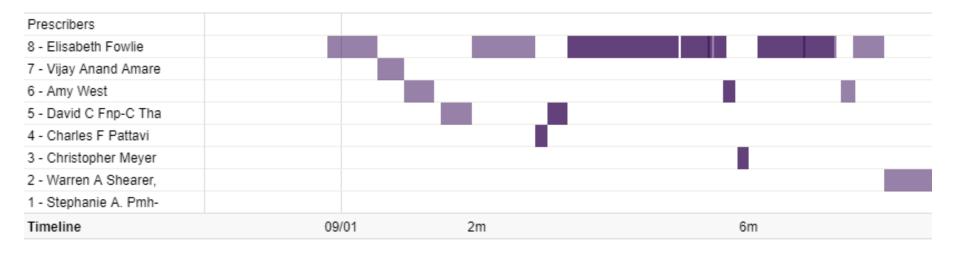
Prescriber Report





**personal data from author, contains no PHI

Multiple Providers-Not a Red Flag in Every Situation



*All these providers work with PCHC Addiction clinics in Bangor



**De-identified patient data from author



My Rx

Prescriptions Written			
No earlier than 6 years from today From*	To*		
MM/DD/YYYY	MM/DD/YYYY	9	
DEA Numbers			
BM XM Generic Drug Name (Optional)			
Drug Name			
Search			



**personal data from author, contains no PHI

MyRX

Date Written	DEA(Last 4)	ŧ	Patient	\$	Year of Birth	\$	Drug Name
08/30/2021	9999		Vader, Luke		1977	-	SUBOXONE 12 MG-3 MG SL FILM
08/30/2021	9999		Solo, Han		1977		SUBOXONE 8 MG-2 MG SL FILM
08/30/2021	9999		Vader, Darth	1983	1983	-	SUBOXONE 4 MG-1 MG SL FILM
08/30/2021	9999		Kenobi, Obi-Wan			E E	BUPRENORPHINE-NALOX 12-3MG FLM
08/30/2021	9999		Neriosi, Osi-wan		1999	1999 S	SUBOXONE 8 MG-2 MG SL FILM
08/30/2021							SUBOXONE 8 MG-2 MG SL FILM
08/23/2021						-	SUBOXONE 8 MG-2 MG SL FILM
08/23/2021						1	BUPRENORPHINE-NALOX 8-2MG FILM
08/23/2021					-	SUBOXONE 12 MG-3 MG SL FILM	
08/23/2021						SUBOXONE 8 MG-2 MG SL FILM	
08/23/2021						I	BUPRENORPHINE-NALOX 8-2 MG TAB
	•						
Days Supply	Pharma	су				÷	Pharmacy Address
8	PENOE	SCO	OT COMMUNITY HEALTH	CE	NTER INC		PO BOX 439 - BANGOR ME 04402
4	PENOE	SC	OT COMMUNITY HEALTH	CE	NTER INC		PO BOX 439 - BANGOR ME 04402
8	HANNA	FO	RD BROS. CO., LLC				500 STILLWATER AVE - OLD TOWN ME 04468
4	SHAWS	S SU	IPERMARKETS INC				353 MAIN ST - BANGOR ME 04401
5	PENOE	SCO	OT COMMUNITY HEALTH	CE	NTER INC		PO BOX 439 - BANGOR ME 04402
8	M DRU	G LI	LC				210 STATE ST - BANGOR ME 04401
9	HANNA	FOR	RD BROS. CO., LLC				1133 UNION ST - BANGOR ME 04401

1133 UNION ST - BANGOR ME 04401

1133 UNION ST - BANGOR ME 04401

PO BOX 439 - BANGOR ME 04402

PO BOX 439 - BANGOR ME 04402



9

7

7

15

HANNAFORD BROS. CO., LLC

HANNAFORD BROS. CO., LLC

PENOBSCOT COMMUNITY HEALTH CENTER INC

PENOBSCOT COMMUNITY HEALTH CENTER INC

Narx indicates risks from opioids ('narcotics'), sedatives + stimulants

> ORS (overdose risk score) uses data science to assess risk of unintentional overdose death

> Both scores range from 000-999



NARx for three medication types & Overdose Risk (ORS)

Vader, Luke, 55M

		xplanation and Guidance	Explanation and Guidance	
542	120	000	320 (Range 000-999)	
Narcotic	Sedative	Stimulant	200	Daily Active MME >= 144.79
Narx Scores	S		Overdose Risk Score	State Indicators (1)
♥ Nar _X Care [™]				
Date of Birth: 07/15/1966	Recent Address: View	v Linked Records (1)		



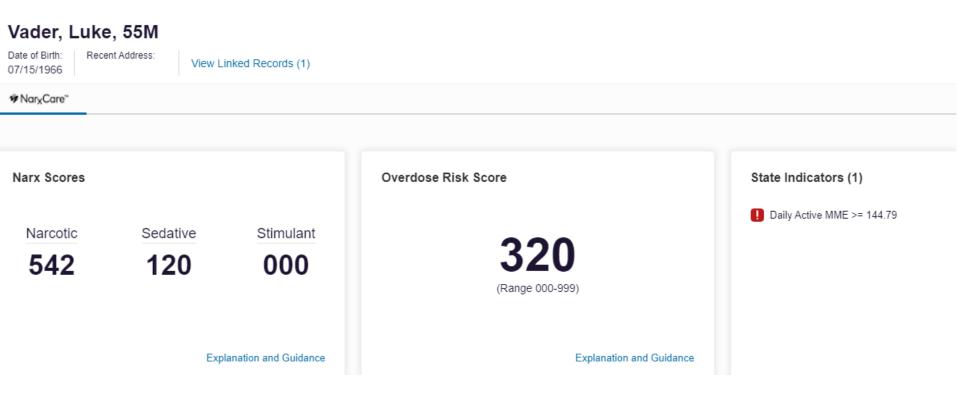


Last digit of Narx score indicates number of active prescriptions of that drug type

Narx scores based on

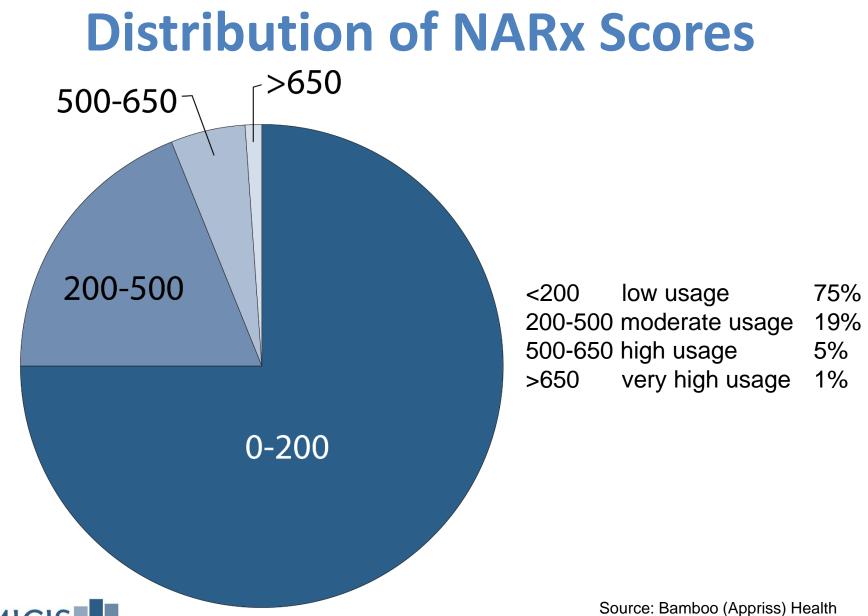
- number of prescribers and pharmacies
- MME (morphine milligram equivalents)
- overlapping prescriptions by different prescribers
- more recent activity weighted more heavily











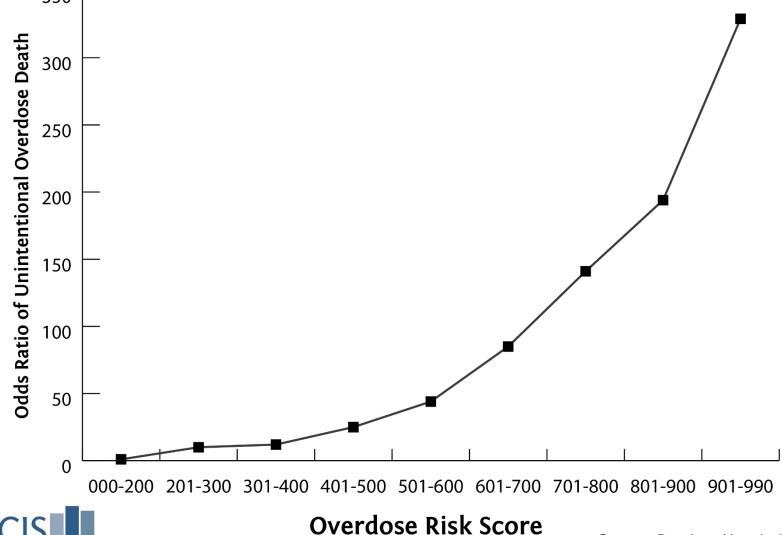


NarxCare™ Scores

- > High scores should trigger a DISCUSSION, not a DECISION
- Very high scores indicate pts at RISK of misuse or addiction
- > Risk of unintentional OD death DOUBLES with every 100 point increase in ORS



ORS Predicts Unintentional Overdose Death



Source: Bamboo (Appriss) Health

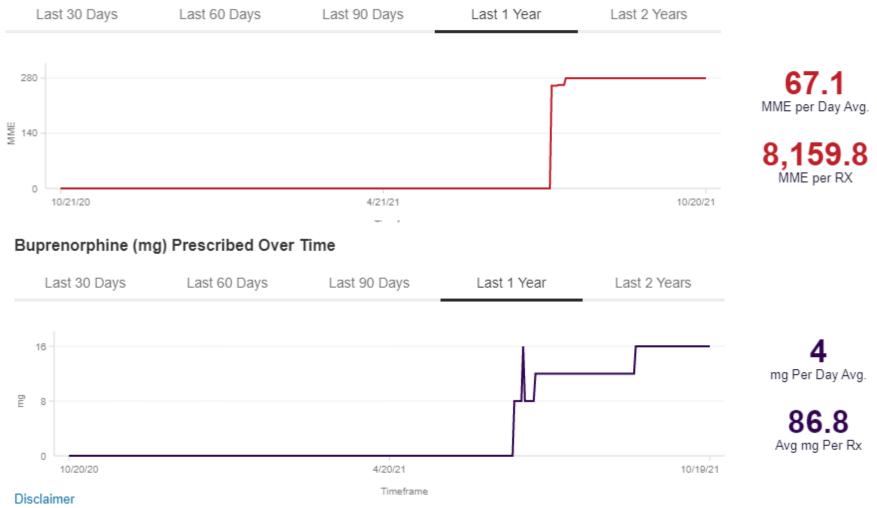
Overdose Risk (ORS) & NARx Scores >200

- > Opportunity to:
 - Rx naloxone
 - Discuss de-prescribing
 - Assess for misuse

- Should not result in:
 - Abrupt discontinuation of medication
 - Denial of care
 - Termination of care



Morphine Milligram Equivalent Prescribed Over Time





****SAMPLE PATIENTS**

Lorazepam MgEq (LME) Prescribed Over Time



RX Summary

Summary	
Total Prescriptions	12
Total Private Pay	1
Total Prescribers	11
Total Pharmacies	1

Opioids [*] (excluding Buprenorphine)	
Current Qty 714	С
Current MME/day 279.81	С
30 Day Avg MME/day 279.81	3

Buprenorphine^{*}

Current Qty	0
Current mg/day	0.00
30 Day Avg mg/day	0.00



****SAMPLE PATIENTS**

Filled v	Written 🛊	Sold \$	ID \$	Drug 🜲	QTY \$	Days 👙
08/03/2021	07/18/2021	08/08/2021	1	Spiriva 18 Mcg Cp-Handihaler	801.00	201
08/02/2021	07/14/2021	08/02/2021	1	Oxycodone-Acetaminoph 7.5-325	369.00	246
08/02/2021	07/15/2021	08/03/2021	1	Unilet Ultra Thin 28g Lancets	27.00	297
08/01/2021	07/20/2021	08/06/2021	1	Chlordiazepoxide 25 Mg Capsule	223.00	145
07/30/2021	07/16/2021	07/31/2021	1	Anastrozole Powder	513.00	123
07/29/2021	07/14/2021	07/31/2021	1 0	Ninjacof-Xg Liquid	936.00	106
07/27/2021	07/13/2021	07/28/2021	1	Cocaine Hydrochloride Pwd	258.00	158
07/25/2021	07/16/2021	07/27/2021	1 <	Kadian Er 200 Mg Capsule	386.00	296



**SAMPLE PATIENT

Prescriber 🗍	RX # 👙	Dispenser 👙	Refill 🍦	Daily Dose* 🍦	Pymt Type 👙	PMP ≑
Bi 552	57069395	Dru (4563)	17	Ũ	Medicaid	ME
Ha Inc	6942291	Dru (4563)	41	16.88 MME	Indian Nat	ME
So L.I	9243705	Dru (4563)	2	Ũ	Other	ME
Ma Koz	45314637	Dru (4563)	31	1.54 LME	Indian Nat	ME
Dr Pha	33580607	Dru (4563)	18	Ũ	Worker's Comp	ME
Sa 10-	67275085	Dru (4563)	74	2.12 MME	Other	ME
So L.I	3609654	Dru (4563)	93	Ũ	Indian Nat	ME
Br Spi	3710064	Dru (4563)	82	260.81 MME	Private Pay	ME



EHR-PMP Integration



Bamboo Health New name for Appriss

Bamboo Health

Gateway Integration Welcome Packet

Maine Prescription Monitoring Program (PMP)

Released 10/15/2021; associated licensing fees covered by state See Maine PMP link on reference slide



Chronic Pain Education for pts & providers

HOME F

PAIN TREATMENT GUIDELINES AS:

ASSESSMENT TOOLS MED CALCULATOR

PROVIDER RESOURCES

PAIN EDUCATION TOOLKIT

TOOLKIT FOR CLINICIANS

Q

OPG

OREGON PAIN GUIDANCE The Oregon state resource for healthcare professionals treating pain



Understanding Pain Sleep Nutrition Activity Mood Social Flare-Ups Medications Peer Support Resources COVID-19 Pain Flareups Patient Animated Videos Safe Disposal Sites



Pain Education TO@LKIT

A Toolkit for a Better Life

Select Language

Welcome to the Pain Education Toolkit. This toolkit provides pain management education for patients about how they can improve their health and better manage their pain. Choose a topic to access these tools to help with pain.









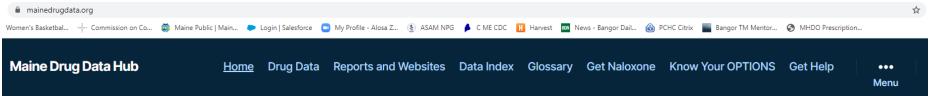




TOUR OF THE MAINE DRUG DATA HUB



mainedrugdata.org



Maine Drug Data Hub Home



The Maine Drug Data Hub is a collaboration between several state departments, the Governor's Office and the University of Maine. The aggregation of state and community information on the hub provides resources, data, and visualizations to inform Mainers about efforts to reduce the harm caused by drug use and drug overdose and to track progress towards reaching the goals outlined in <u>Governor Janet Mills' Maine Opioid Response Strategic Action Plan</u>.

The data, information, and resources available on the Maine Drug Data Hub is constantly being updated. Data sets, reports, and graphics are updated monthly, quarterly, and annually. New data metrics are added as they become available.



Navigate the Data



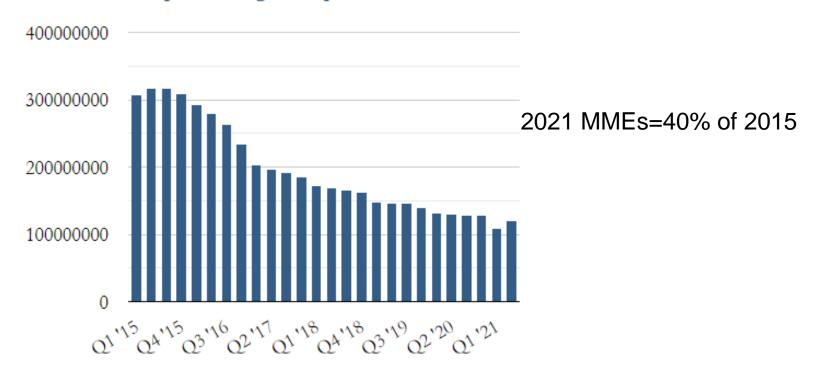


PRESCRIBING



Prescription Opioids

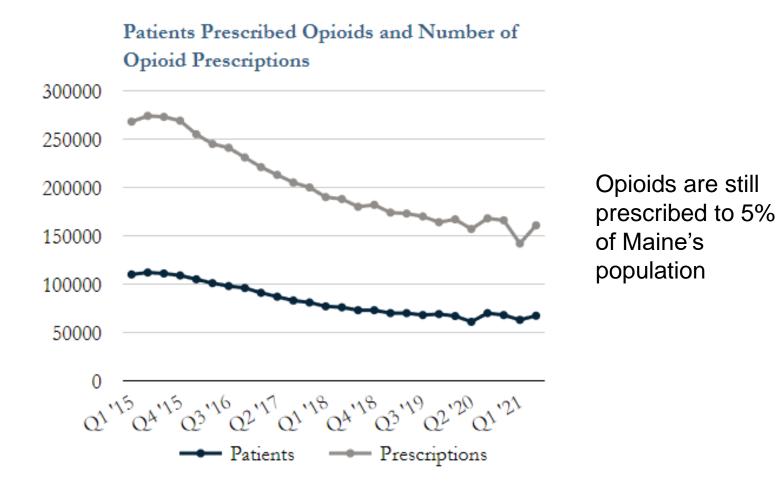
Morphine Milligram Equivalents Prescribed



Source: Maine Prescription Drug Monitoring Program.

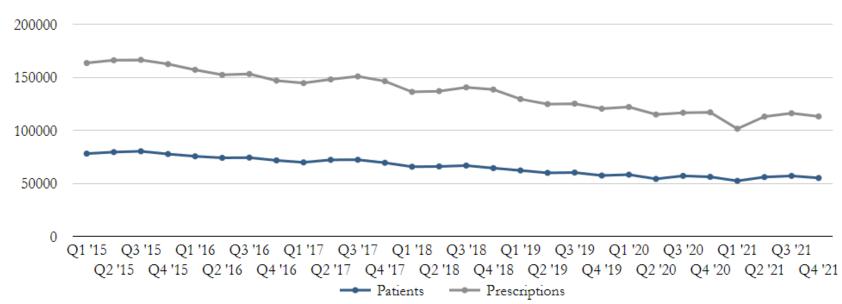


Prescription Opioids





Prescription Benzodiazepines



Patients Prescribed Benzodiazepines and Number of Benzodiazepine Prescriptions

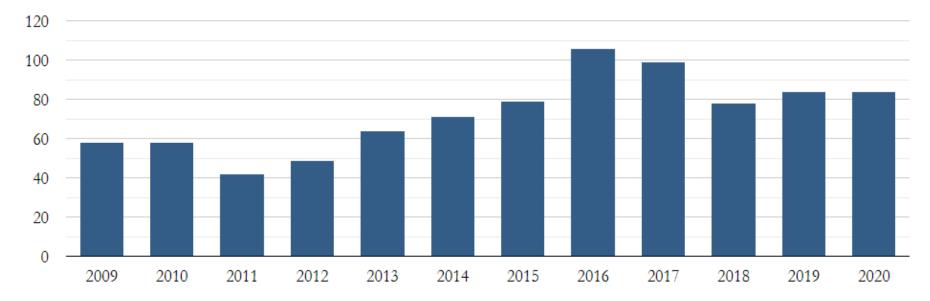
Source: Maine Prescription Drug Monitoring Program.

Benzos are prescribed to >4% of Maine's population with significant overlap with opioid prescribing



Overdose Deaths Involving Benzodiazepines

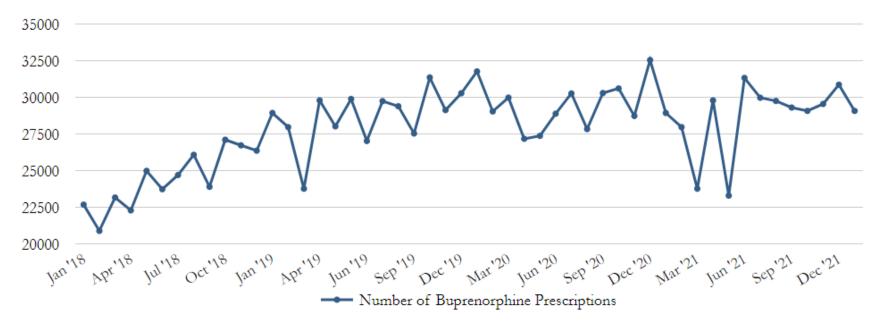
Deaths caused by Benzodiazepines Alone or in Combination with other Drugs or Alcohol





Buprenorphine prescribing up 43% in past 3 years

Buprenorphine Prescriptions 2018 - Present





YOU NO LONGER NEED TO TAKE A CLASS TO GET AN X-WAIVER!

But MICIS has an individualized 1 hour class available!

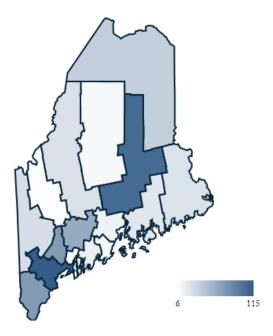


OTHER OPIOID CRISIS DATA

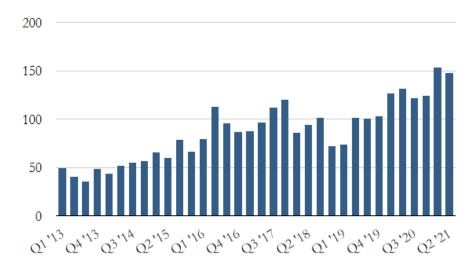


Drug Overdoses-Increasing

Fatal Drug Overdoses January - December 2021



Drug Deaths in Maine by Quarter, 2013 - Q2 2021

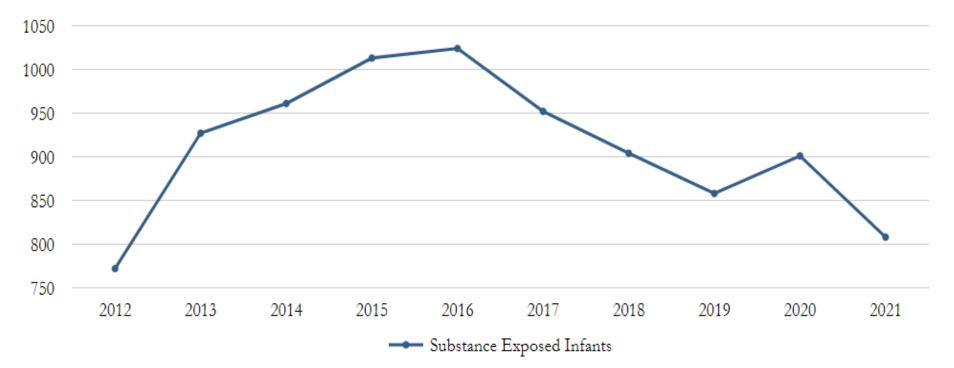


Source: Office of the Maine Attorney General, Office of Chief Medical Examiner, Maine Drug Death Report 2020.; Office of the Maine Attorney General and the Office of Behavioral Health, Maine Monthly Overdose Report for December 2021.



Infants with Substance Exposuredecreasing

Babies born in Maine exposed to substances





Infants with Substance Exposuredecreasing

Number and Percentage of Babies Born Exposed/Affected to Substances in Maine, 2020

4 Counties have double the state average: Aroostook Somerset Androscoggin Oxford

2% 17%

*however, numbers include moms on prescribed MOUD



MOUD Evolving in ME Corrections

- In July 2019, the Maine Department of Corrections (DOC) began treating OUD with buprenorphine
- State prisons (DOC) and country jails have different programs and leadership
- 100% of persons on MOUD released from DOC in 2020 received naloxone at release
- 76% of males and 86% of females admitted to DOC institutions in 2020 had SUD treatment needs



https://youtu.be/9jZfd7fiH7E

https://youtu.be/L1lyaOoXZ0E

I AM THE EVIDENCE VIDEOS MARK & BRIAN

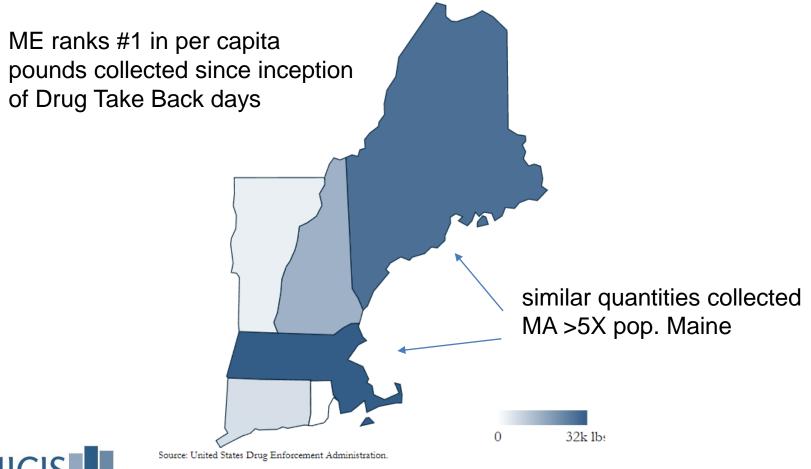


HARM REDUCTION & RECOVERY

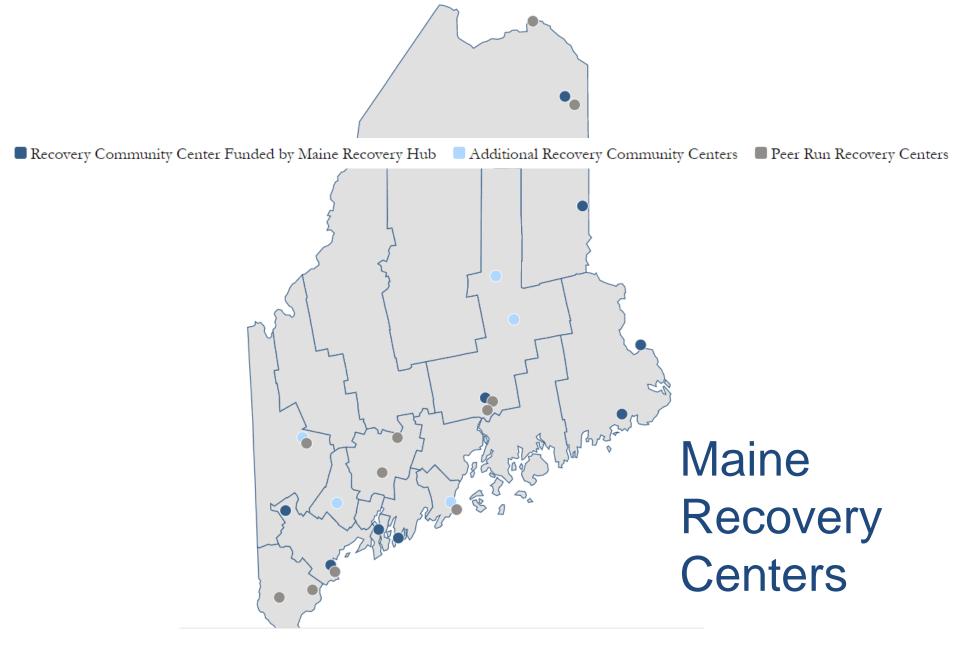


Drug Take Back

Drugs Collected during the Prescription Drug Take Back Day in New England, April 2021. Hover over each state to view pounds of prescriptions collected.









ME Options program knowyouroptions.me

OPTIONS												
ien's Basketbal	Commission on Co	🔯 Maine Public Main	Login Salesforce	📑 My Profile - Alosa Z	() ASAM NPG	🔺 C ME CDC	H Harvest	News - Bangor Dail	B PCHC Citrix	Bangor TM Mentor	MHDO Prescription	
knowyourd	pronounc											

SAVE LIVES

ABOUT * STORIES PREVENT OVERDOSE * RESOURCES DATA GLOSSARY COVID-19

WITH SUBSTANCE USE DISORDER

There are Multiple Pathways to Recovery

From the grassroots to the Governor's office, Maine is coming together for those affected by the opioid epidemic. We are on a mission to save lives and strengthen communities, and we're putting all the options on the table. Because if we want to give people a fighting chance, we need to keep them alive, safe, and supported throughout their journey of active use and recovery.



knowyouroptions me

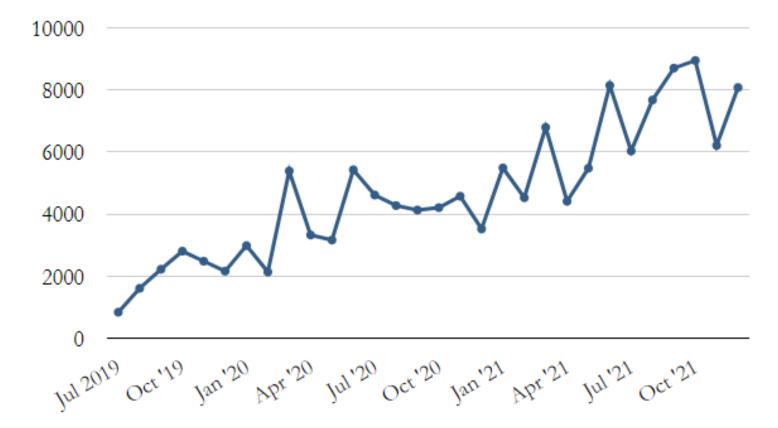
ME Options program-"About" tab OPTIONS Liaisons, by County*

Androscoggin County: Dave Bilodeau - dbilodea@tcmhs.org - (207) 344-1828 (direct) Aroostook County: Hayley Goudreau - hgoudreau@amhc.org - (207) 496-9430 (cell) Cumberland County: Tom MacElhaney - timacelhaney@sweetser.org Franklin County: Katlynn Johnson – katlynnj@wmbh-me.com Hancock County: Emily Colligan, CADC – ecolligan@amhc.org – (207) 498-0824 (direct) Kennebec County: Dawn Kearns - dkearns@crisisandcounseling.org - (207) 446-3304 (direct) or Request Help Online Knox County: William Bucklin - wbucklin@sweetser.org Lincoln County: Alyssa Pelchat, LCSW, CCS - apelchat@sweetser.org Oxford County: Glenn Gordon - glenn.gordon@ocmhs.org - (207) 357-1751 Penobscot County: Adam Perkins – aperkins@chcs-me.org Piscataguis County: Ashley Roberts, CADC - aroberts@chcs-me.org - (207) 991-1162 Sagadhoc County: Maria Beauregard, CADC - mbeauregard@sweetser.org Somerset County: Caron Chase - cchase@crisisandcounseling.org - (207) 215-6254 (direct) or Request Help Online Waldo County: Kate Dowd, LMSW-cc - cdowd@sweetser.org - (207) 468-3463 (direct) Washington County: Emily Colligan, CADC - ecolligan@amhc.org - (207) 498-0824 (direct) York County: Lacey Bailey - Imbailey@sweetser.org



Naloxone distribution

State-Supplied Naloxone Doses Distributed Monthly



Source: University of Maine, Margaret Chase Smith Policy Center, Maine Naloxone Distribution Initiative.



GETMAINENALOXONE.ORG



Get Maine Naloxone - Find Narcan® / Naloxone in Maine

Home Get Naloxone V Naloxone FAQ Respond to Overdose Overdose Response Mobile App

Naloxone in Maine saves lives



GETMAINENALOXONE.ORG

Where can I obtain naloxone in Maine?

Naloxone can be obtained in the state of Maine through several locations and programs depending on if you are an individual, an organization, or a member of a public safety or emergency medical response agency.



<u>I am an individual looking</u> for naloxone



<u>I represent a community</u> organization or business <u>looking for naloxone</u>



<u>I represent a law</u> enforcement or EMS agency looking for naloxone



Naloxone distribution

The MNDI Tier One Naloxone Distributors

BANGOR PUBLIC HEALTH

MAINE ACCESS POINTS





MAINE GENERAL

PORTLAND PUBLIC HEALTH

INDIA STREET



PUBLIC HEALTH CENTER





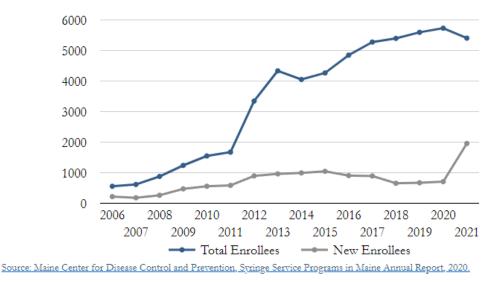
Syringe Access Programs



Syringe Access Program

Click on the map points to view SAP website.

Source: Maine Center for Disease Control and Prevention, Syringe Service Programs in Maine Annual Report, 2020. Total and New Enrollees in Syringe Access Programs, 2006-2021



Syringe Access Programs refer enrollees to other services including substance-use disorder treatment, housing, and medical care.



Syringe Access Programs

- increase the likelihood of entry into SUD treatment (5x)
- increase the likelihood of reducing/ discontinuing injection drug use (3x)
- reduce the incidence of new HIV + HCV infections (1/2)
- > prevent overdose deaths
- increase safe disposal of used syringes



CDC, 2020

Syringe Access Programs

- > Do not increase illegal drug use
- Do not increase the crime rate in the geographic area where they are located



*4 HOURS OF OPIOID TOPICS *HEPATITIS C*

1:1 PRESCRIBING EDUCATION SESSIONS AVAILABLE-LIVE OR VIRTUAL "ACADEMIC DETAILING"





PRESCRIBING TO REDUCE OVERDOSE RISK

Additional group educational outreach presentation available from MICIS

In Summary...



- > Use the PMP as a tool to improve prescribing
- Review data & resources at ME Drug Data Hub
- Support & participate in harm reduction





FILL OUT E-MAILED EVALUATION TO GET CME CREDIT CERTIFICATE

2 week deadline

MICISMAINE.ORG





- > Oregon Pain Guidance <u>https://www.oregonpainguidance.org/paineducationtoolkit/</u>
- How to Utilize NarxCare <u>https://pharmacy.ks.gov/docs/librariesprovider10/ktracs/user-guides/risk-indicator-score-explanation.pdf?sfvrsn=ebe8aa01_6</u>
- Maine PMP <u>https://www.maine.gov/dhhs/obh/providers/prescription-drug-monitoring-program</u>
- Centers for Disease Control and Prevention. 2020. Summary of Information on The Safety and Effectiveness of Syringe Services Programs (SSPs). November
 <u>https://www.cdc.gov/ssp/syringe-services-programs-summary.html</u>.
- https://mainedrugdata.org/
- https://knowyouroptions.me/
- https://getmainenaloxone.org/



Video links

- <u>https://youtu.be/BTVLCM6N6H8</u> (Dustin's story, Options program, Maine)
- <u>https://youtu.be/9jZfd7fiH7E (Mark, I am the Evidence, Massachusetts)</u>
- <u>https://youtu.be/L1lyaOoXZ0E (Brian, I am the Evidence, Massachusetts)</u>

