

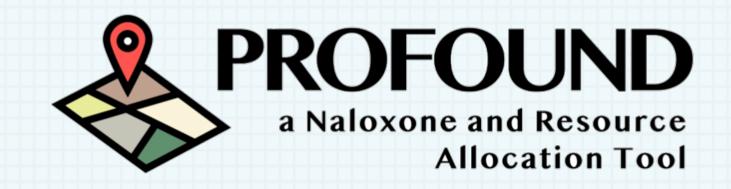
Governor Dan McKee's Overdose Task Force September 13, 2023

Louis Cerbo, EdD; Acting Director, Rhode Island Department of Behavioral Healthcare, Developmental Disabilities & Hospitals Philip Chan, MD, MPH; Consultant Medical Director, Rhode Island Department of Health Ana Novais, MA; Assistant Secretary, Rhode Island Executive Office of Health and Human Services Richard Charest, MBA; Secretary, Rhode Island Executive Office of Health and Human Services Thomas Joyce, LCDP, CPRS; Task Force Community Co-Chair Cathy Schultz, MPH; Task Force Director, Rhode Island Executive Office of Health and Human Services



Welcome and Announcements





The PROFOUND Project: A state, academic, and community partnership to maximize the positive impact of naloxone access in Rhode Island

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09/13/2023

Project funded by:



Who are we?



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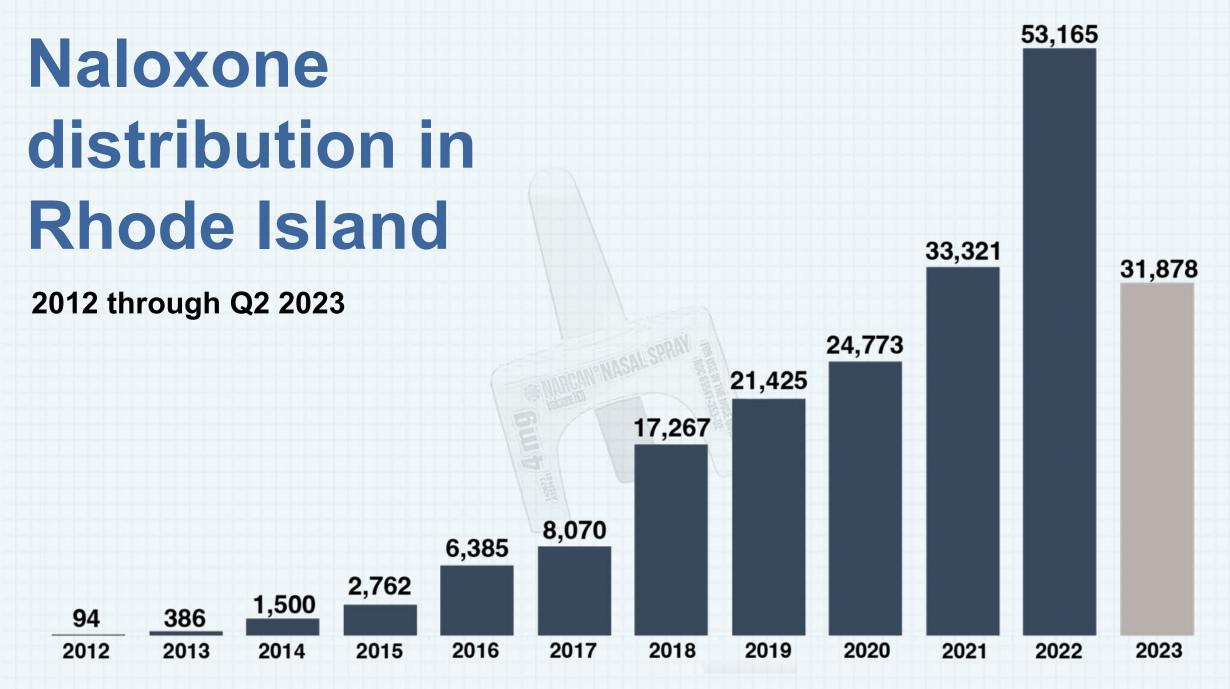


Xiao Zang, PhD

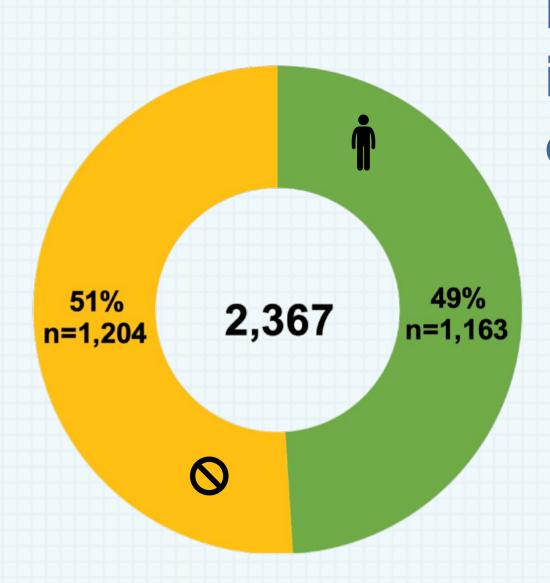
Zongbo Li, MPH



Traci Green, PhD, MSc



Source: https://preventoverdoseri.org/naloxone-data/



Bystanders are present in only ~50% of overdose deaths







Our research questions

- 1. How might we distribute <u>naloxone to communities</u> in ways that lower opioid overdose deaths and makes the best use of our resources?
- 2. Could interventions to reduce solitary drug use further increase the positive impact of naloxone in Rhode Island communities?

PROFOUND is a microsimulation that models...

1. Rhode Islanders at risk for opioid overdose, breaking down by:

- Size of at-risk population in each city/town and Rhode Island Overdose Action Area Response (ROARR) region
- Drug use patterns/health states
- Other characteristics that may be associated with overdose risk and naloxone access (e.g., age, sex)

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- 2. In each 'month', a simulated person can experience an overdose

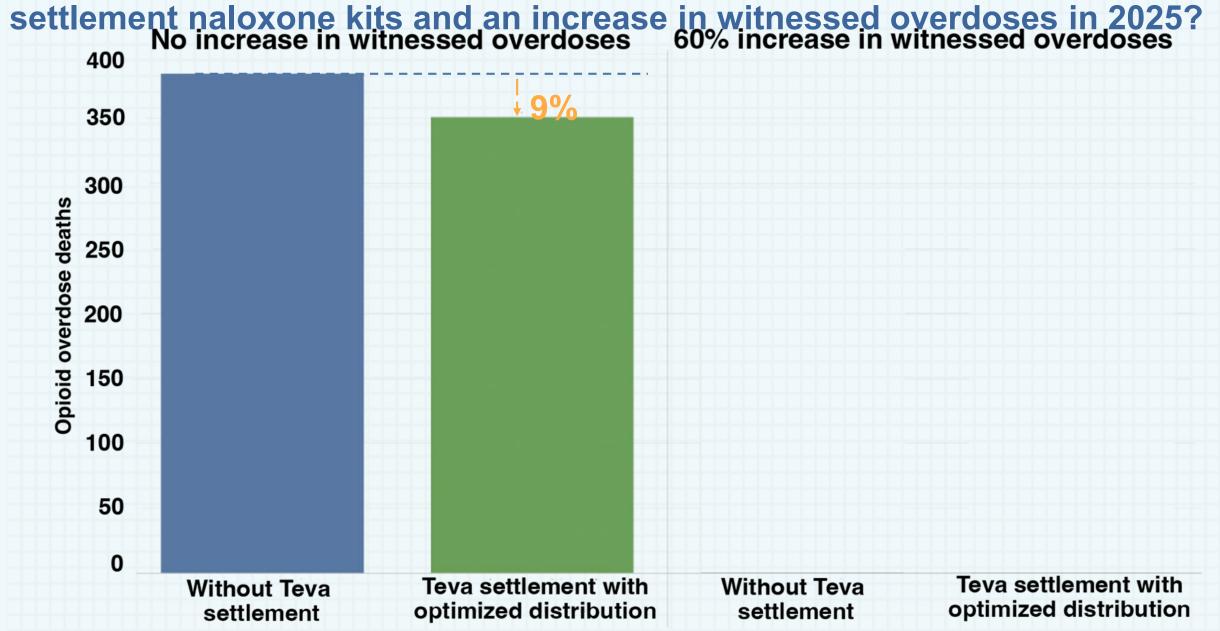
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- Rhode Islanders at risk for opioid overdose, breaking down by:
 - Size of at-risk population in each city/town and ROARR region
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 - Other characteristics that may affect overdose risk and naloxone access (e.g., age, sex)
- 2. In each 'month', a simulated person can experience can overdose
- 3. What may happen during and after the overdose is determined by:
 - Was the overdose in public?
 - Was the overdose witnessed?
 - Was naloxone administered?
 - Was EMS called?
 - Did the simulated person go to the ED?
 - o Did the simulated person survive?

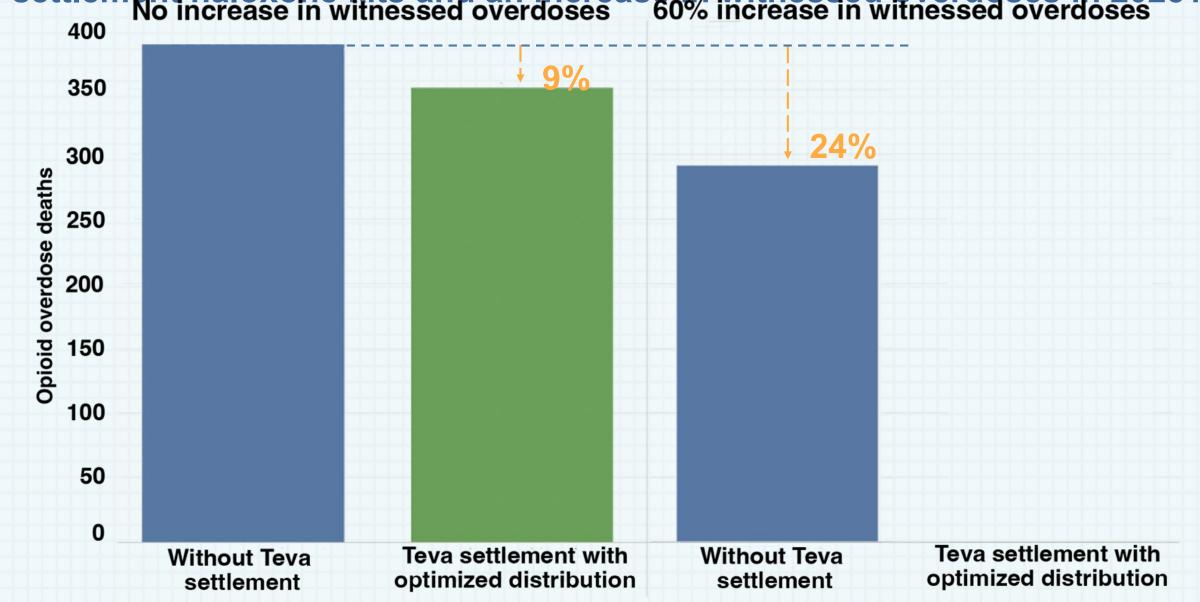
Next, we ask 'what if' questions and run the model

- 1. What is the potential impact of the Teva settlement (50,000 kits per year for 10 years) on the overdose crisis in Rhode Island?
- 2. What if we could increase the percentage of overdoses that are witnessed by 60%?

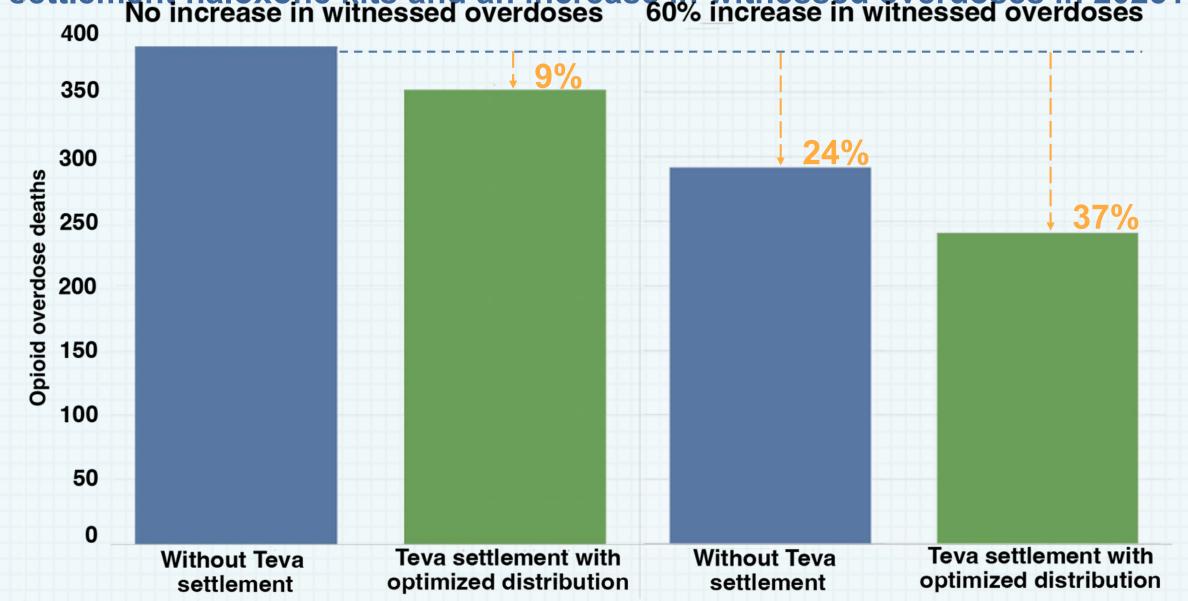
How would opioid overdose deaths be impacted by an additional opioid settlement naloxone kits and an increase in witnessed overdoses in 2025?



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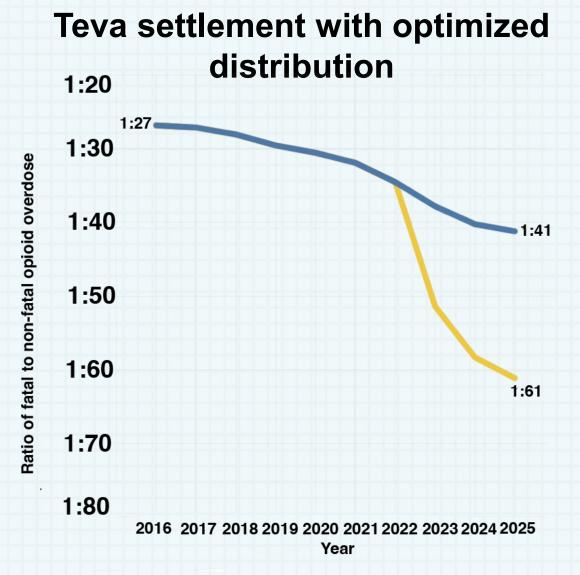
Optimized naloxone distribution strategy by ROAAR region

Figure: Number of recommended naloxone kits distributed to each ROAAR and the number of potential averted deaths.

ROAAR Region	Recommended number of kits	Opioid overdose deaths averted
Region 1: Burrilville, Foster, Glocester, Scituate	1,000	2
Region 2: Woonsocket	3,500	1
Region 3: Cumberland, Lincoln, North Smithfield, Smithfield	2,500	4
Region 4: Johnston, North Providence	2,400	2
Region 5: Central Falls, East Providence, Pawtucket	7,300	3
Region 6: Providence	16,200	3
Region 7: Coventry, Cranston, Warwick, West Warwick	9,300	8
Region 8: Barrington, Bristol, Little Compton, Middletown, Newport, Portsmouth, Tiverton, Warren	4,800	6
Region 9: East Greenwich, Exeter, Hopkinton, Richmond, West Greenwich	1,400	2
Region 10: Charlestown, Jamestown, Narragansett, New Shoreham, North Kingstown, South Kingstown	4,600	4
Grand Total	53,000	35

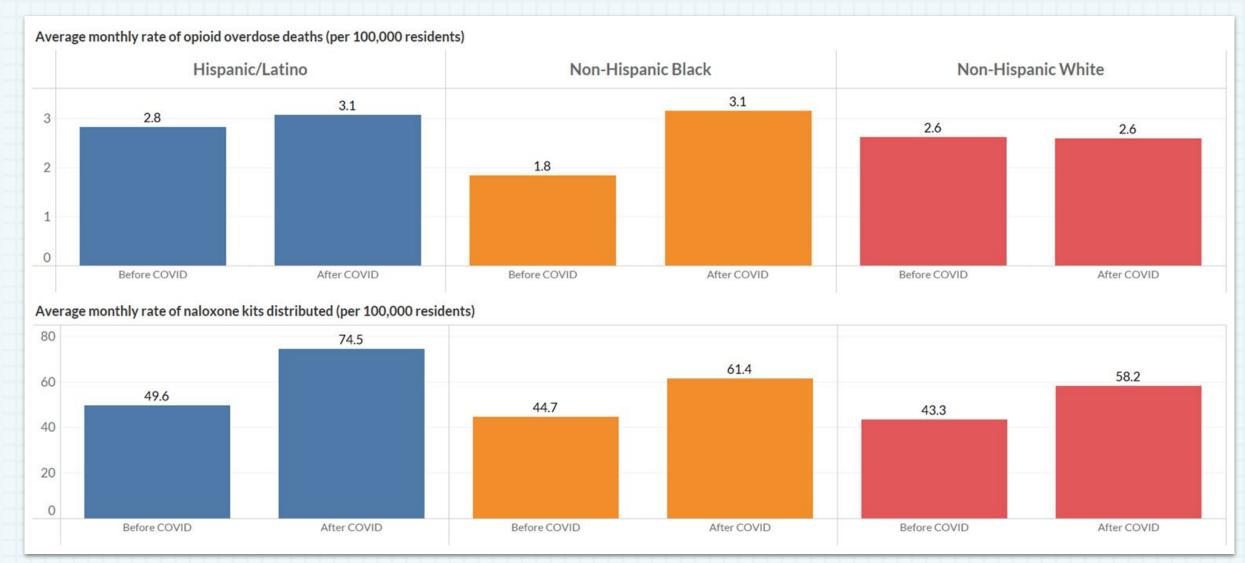
PROFOUND | Project Number U01DA047408

Increased naloxone distribution and addressing solitary drug use reduces the proportion of overdose deaths that are fatal from about 1 in 37 to about 1 in 61



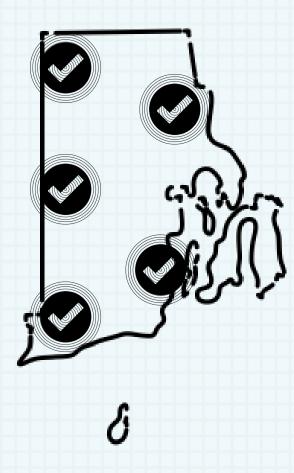


Growing racial/ethnic inequities in naloxone access during the COVID-19 pandemic in Massachusetts



Source: Zang et al. Addiction, 2023

Conclusions



- 1. Rhode Island is a national leader in naloxone distribution
- 2. Community-based efforts are making an enormous impact on the overdose crisis in our state
- 3. Ongoing efforts to increase naloxone distribution will have greater effect if interventions are undertaken to address solitary drug use

- Co-Principal investigator Bruce Schackman and other members of the PROFOUND team
- Members of the Rhode Island naloxone workgroup for their insights, contributions, and partnership
- Staff and partners at the Rhode Island Department of Health
- Partners, staff, and advocates at our local harm reduction & recovery organizations
- The wonderful staff, faculty, and students at the People, Place & Health Collective (PPHC), particularly Jackie Goldman, Alex Collins, Jesse Yedinak, and Alex Macmadu
- Particular thanks to Max Krieger, Abdullah Shihipar, and Xiao Zang for their assistant with this presentation
- Our students at Brown School of Public Health





appreciations & gratitude

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- We are grateful for additional funding and support from the COBRE on Opioids & Overdose (P20-GM125507)





our funders

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2023 International Overdose Awareness Day

A TIME TO REMEMBER - A TIME TO ACT





We See You Award Recipients







































WE HANDED OUT 5,438
BOXES OF NARCAN ACROSS
RI ON INTL. OVERDOSE
AWARENESS DAY!



2,980

Providence, Pawtucket, & Central Falls

1,012

Warwick, West Warwick, & Coventry

576

East Providence, Burrillville, & Tiverton 502

Woonsocket, Smithfield, & Lincoln





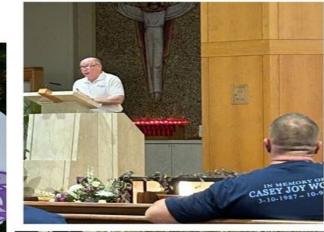




















Happy Recovery Month!

Public Comment

