

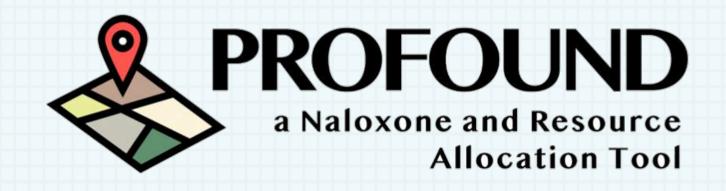
Governor Dan McKee's Overdose Task Force September 13, 2023

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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Director, People, Place & Health Collective
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09/13/2023

Project funded by:



Who are we?



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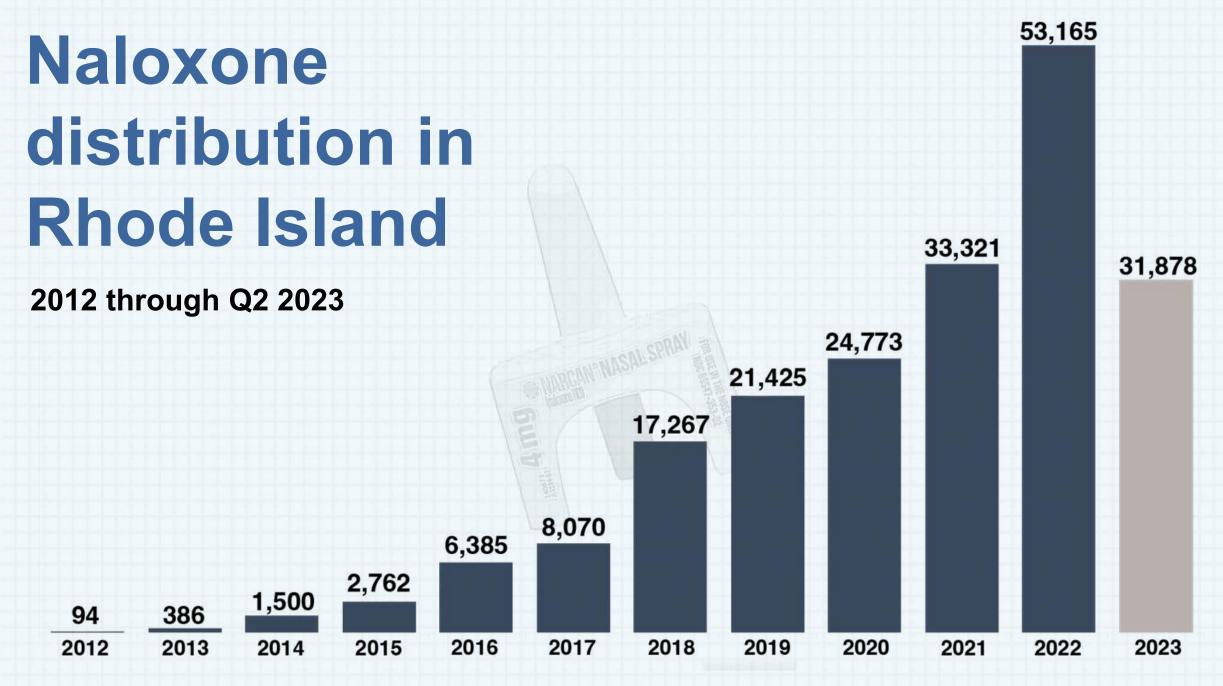


Xiao Zang, PhD

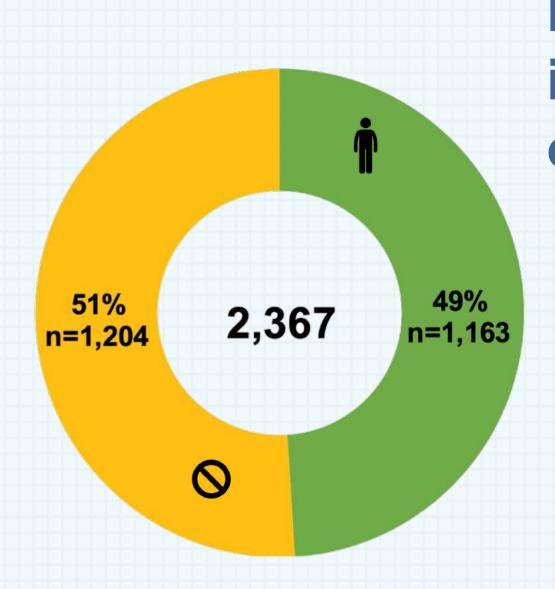
Zongbo Li, MPH



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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- Rhode Islanders at risk for opioid overdose, breaking down by:
 - Size of at-risk population in each city/town and ROARR region
 - Drug use patterns/health states
 - Other characteristics that may affect overdose risk and naloxone access (e.g., age, sex)
- 2. In each 'month', a simulated person can experience an overdose

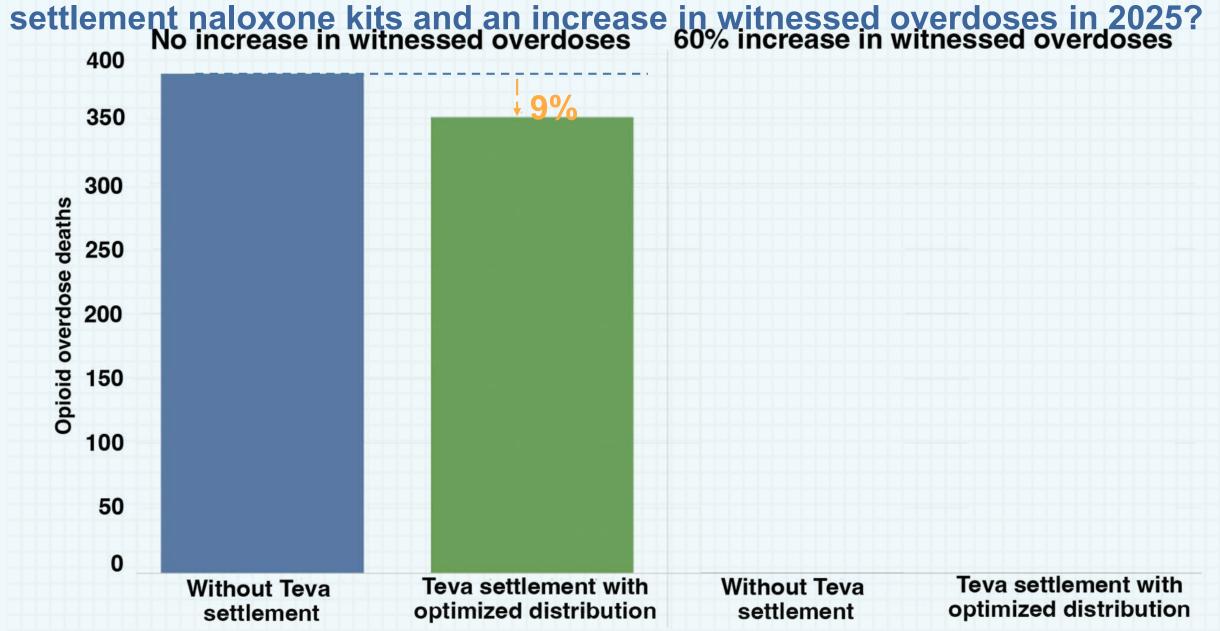
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- Rhode Islanders at risk for opioid overdose, breaking down by:
 - Size of at-risk population in each city/town and ROARR region
 - Drug use patterns/health states
 - Other characteristics that may affect overdose risk and naloxone access (e.g., age, 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?

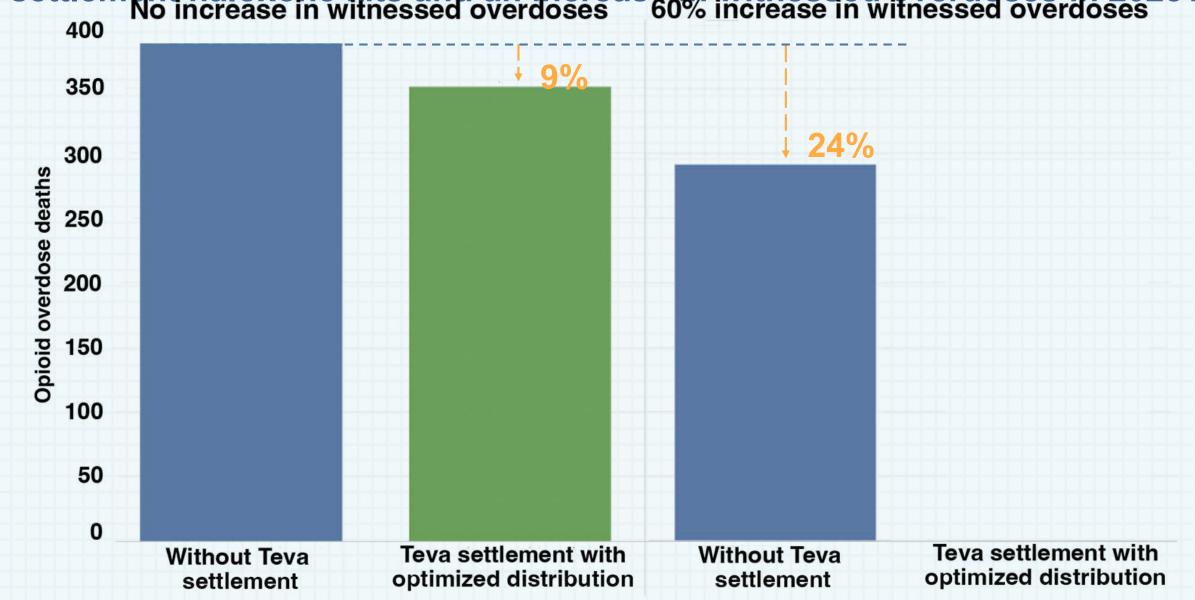
Next, we ask 'what if' questions and run the model

- 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%?

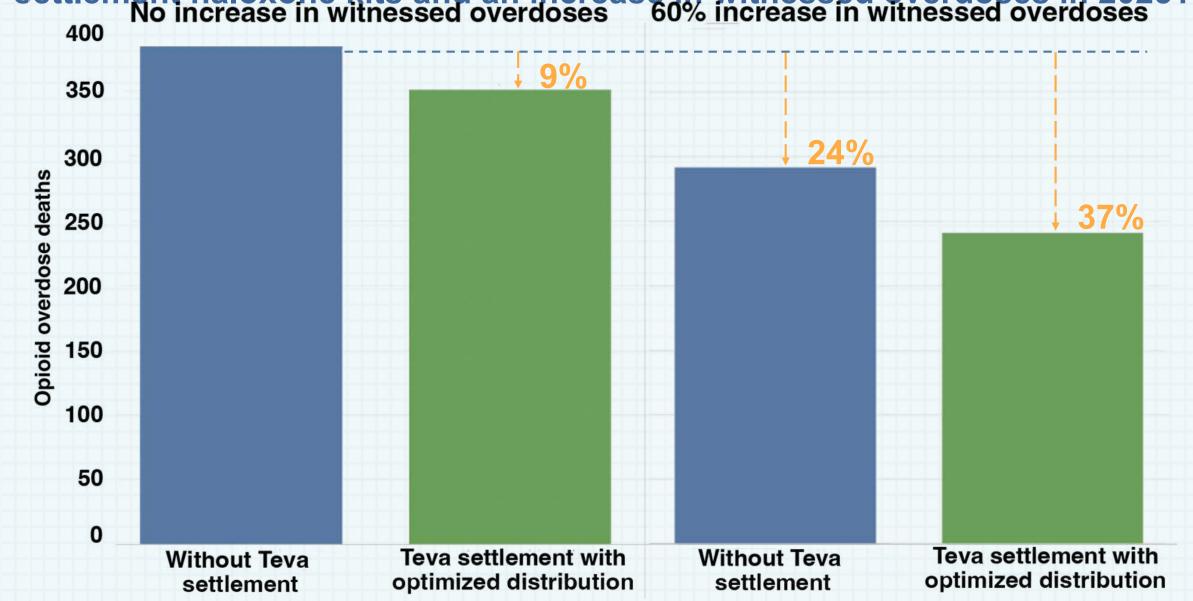
How would opioid overdose deaths be impacted by an additional opioid settlement naloxone kits and an increase in witnessed overdoses in 2025?



How would opioid overdose deaths be impacted by an additional opioid settlement naloxone kits and an increase in witnessed overdoses in 2025? No increase in witnessed overdoses 60% increase in witnessed overdoses



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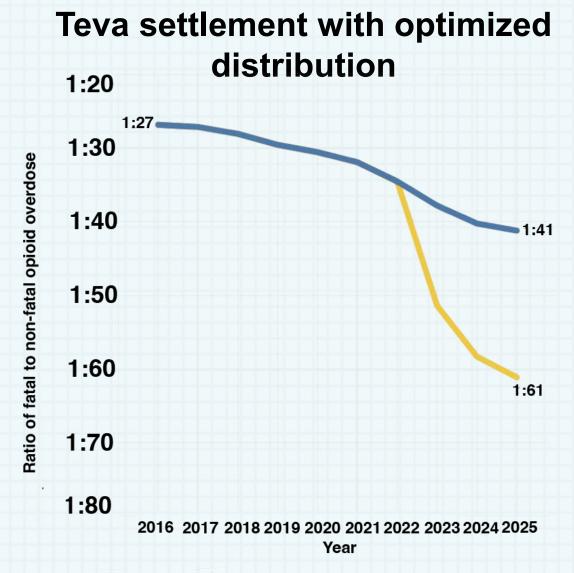
Optimized naloxone distribution strategy by ROAAR region

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

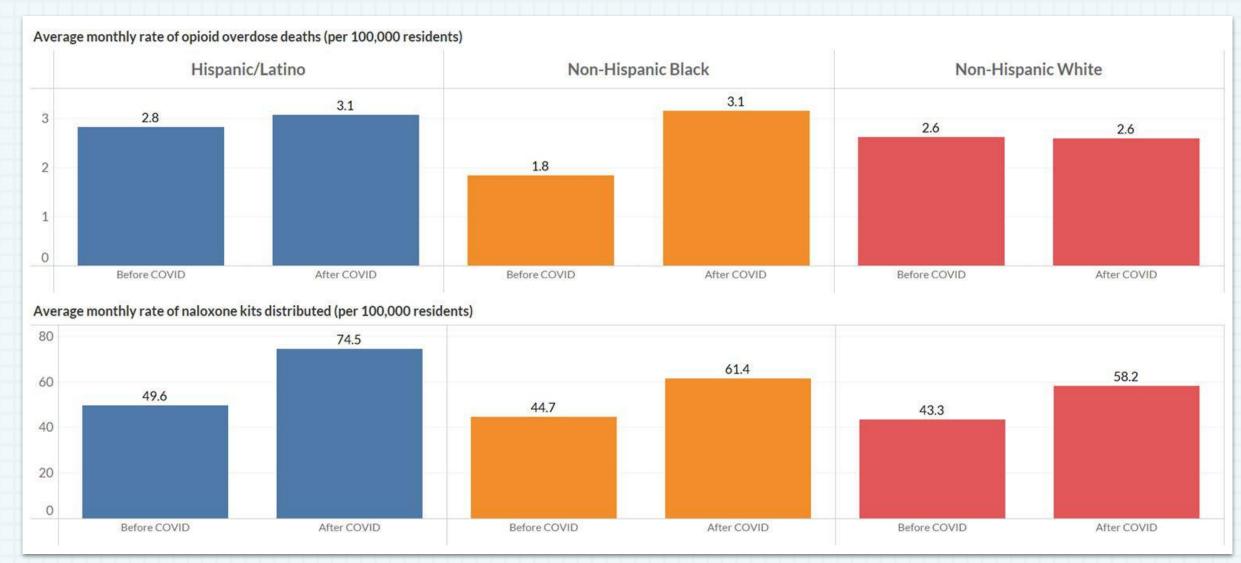
PROFOUND | Project Number U01DA047408

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



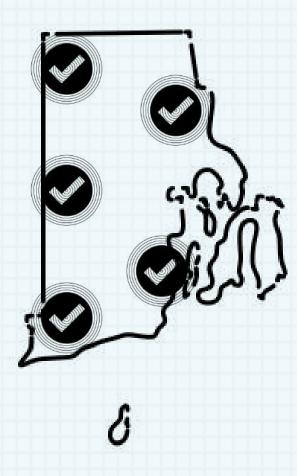


Growing racial/ethnic inequities in naloxone access during the COVID-19 pandemic in Massachusetts



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

Contact us!

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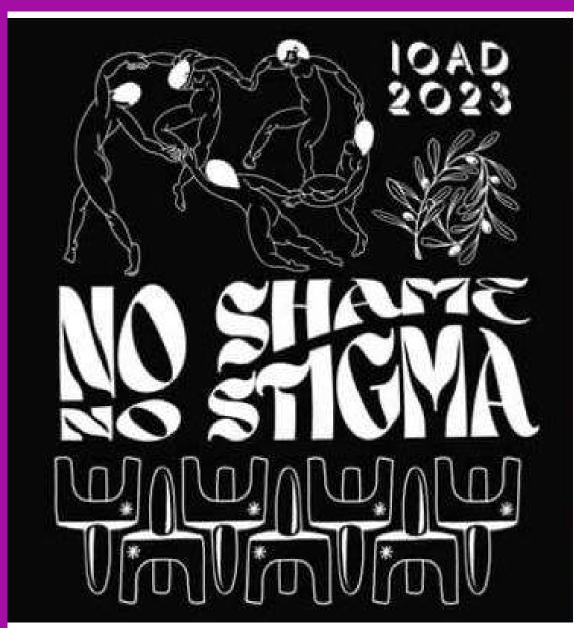
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2023 International Overdose Awareness Day

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





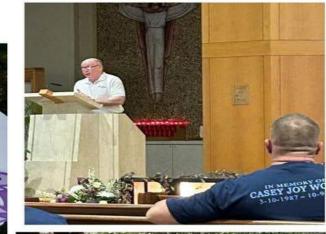




















Happy Recovery Month!

Public Comment

