Success Story:
Overdose Fatality
Review Use of
Overdose Detection
Mapping
Application Program
Data





June 15, 2022

Presenters

- Mallory O'Brien, MS, PhD, Senior Policy Advisor, Bureau of Justice Assistance (BJA) COSSAP and Consultant, IPA, Centers for Disease Control and Prevention (CDC)
- Lauren Savitskas, MPH, Senior Research Associate, Institute for Intergovernmental Research (IIR)
- Marquis M. Johnson, MPH, Overdose Detection Mapping Application Program (ODMAP) Coordinator, Washington/Baltimore High Intensity Drug Trafficking Area (HIDTA)
- Ali Burrell, MPH, ODMAP Program Manager, Washington/Baltimore HIDTA
- Kimberly L. Reilly, MA, LPC, Alcohol and Drug Coordinator, Ocean County, New Jersey, Health Department
- Captain Jason Piotrowski, Office of Drug Monitoring and Analysis, New Jersey State Police

Agenda

- Overview of overdose fatality review (OFR)
- Overview of ODMAP
- Case study of the use of ODMAP data by local OFR

OFR Purpose and Value

- Overdoses are preventable
- Identify systems gaps: missed opportunities for prevention and intervention
- Design innovative communityspecific prevention strategies

Overdose Fatality Review Overview

- OFRs involve analysis and review of aggregate data to understand overdose trends, select cases to review, and provide context for case findings and recommendations
- OFRs involve a series of confidential individual death reviews by a multidisciplinary team to effectively identify system gaps and innovative communityspecific overdose prevention and intervention strategies
- These recommendations are presented to a governing committee that supports and provides resources for implementation framework for accountability for action

Shared understanding

 OFRs increase members' understanding of area agencies' roles and services, as well as the community's assets and needs, substance use and overdose trends, current prevention activities, and system gaps

Optimized capacity

• OFRs increase the community's overall capacity to prevent future overdose deaths by leveraging resources from multiple agencies and sectors to increase system-level response

Shared accountability

 OFRs continually monitor local substance use and overdose death data, as well as recommendation implementation activities. Status updates on recommendations are shared at each OFR team meeting and with a governing committee, reinforcing accountability for action.

"SOS" Process

OFR Structure



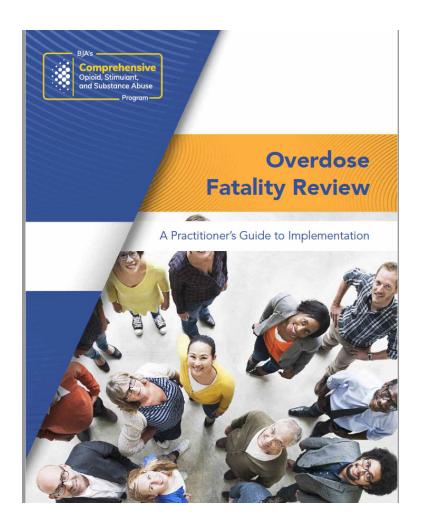
Lead Agency: Oversees the OFR team coordination and provides administrative support

Governing Committee: Supports and provides resources to implement recommendations generated by case reviews

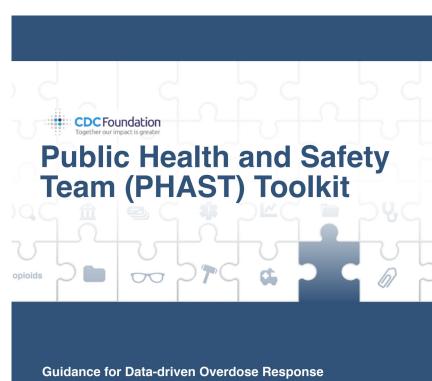
OFR Team: Multidisciplinary team that reviews a series of individual deaths to identify system-level missed opportunities for prevention and intervention

Subcommittee: Focuses attention on a recommendation or need, such as case selection

Overdose Fatality Review: A Practitioner's Guide to Implementation



PHAST Toolkit



Guidance for Data-driven Overdose Response
Coordination Among Public Health, Criminal
Justice, Law Enforcement, and First Responders

DRAFT VERSION 2.0 FOR PILOTING March 2020

ODMAP Data Within an OFR

Meeting Agenda

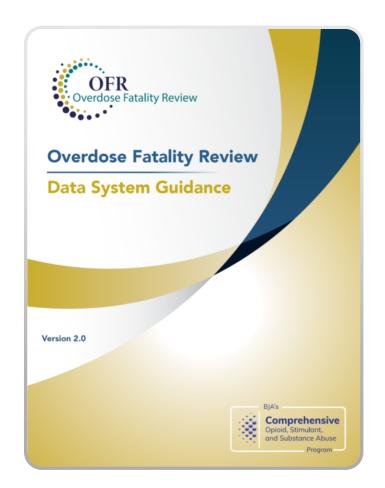
- 1. Opening Remarks and Introduction
- 2. Goals and Ground Rules
- 3. Confidentiality
- 4. Case Presentation
- 5. Member Report-Outs
- 6. Group Discussion
- 7. Case and Timeline Summarized
- 8. Formulate Recommendations
- 9. Summarize and Adjourn

1. Opening Remarks and Introduction

- Members' introductions
- · Updates from previous meeting
- Upcoming events
- Data presentation:
 - At the beginning of the year, present an overview of the prior year's fatal and nonfatal overdoses
 - At each meeting:
 - Year-to-date, number of deaths
 - Since last meeting, the number of deaths
 - Prior year same time frame, number of deaths
 - (Any other aggregate data available)
- Review case selection criteria
- Other announcements

Data Collection: OFR Data System

- Decedent case information
- County profile
- Recommendation monitoring
- Next-of-kin interview



Decedent Case Information: ODMAP Specific

Was the death possibly connected or related to a contaminated/tainted batch or a community spike in overdoses?

Response options:

- No
- Yes

Definition: Indicates whether this overdose death was likely related to a contaminated/tainted batch, pressed counterfeit pill, or a significant community spike in overdoses

Guidance: If the death was around the time of an identified spike in cases, for example, identified by the ODMAP platform, or if there was a known batch of contaminated/tainted substance in the community or from a pressed counterfeit pill, select "yes"

Reference: ODMAP, www.odmap.org

County Profile: ODMAP Specific

Level of ODMAP reporting at the county level

Response options:

- No—None of the jurisdictions report into ODMAP
- Yes, partial—Some of the jurisdictions report some suspected cases into ODMAP
- Yes, all—All jurisdictions are required to report all suspected cases into ODMAP
- Yes, unsure how many jurisdictions are reporting cases into ODMAP
- Definition: Indicates the level of ODMAP reporting at the county level
- Guidance: Visit <u>www.odmap.org</u> and scroll down to the section on participating agencies. Select state and county.
- Reference: Overdose Detection Mapping Application Program, www.ODMAP.org

ODMAP

OVERDOSE DETECTION MAPPING APPLICATION PROGRAM



Real-time Public Health and Safety Data Collaboration

- Public health data/solutions alone cannot "solve" the current epidemic
- Public safety data/solutions alone cannot "solve" the current epidemic
- Retroactive data alone cannot drive life-saving decisions
- Collaboration and real-time data helps save lives and drive short and long-term decisions





What is ODMAP?

ODMAP is a **free**, web-based tool that provides near **real-time surveillance** of suspected overdose events to **support public safety and public health** efforts to mobilize an **immediate response** to overdose events





Current ODMAP Engagement

Number of participating states: 50, DC, and Puerto Rico

Number of participating agencies: over 3,900

Number of ODMAP users: Over 26,000

Number of states with statewide implementation: ≈23

Number of suspected overdoses entered: over 1.26 million



ODMAP 101

How to engage with and use ODMAP



ODMAP Agency Eligibility

- Federal, State, Local, and Tribal
 - Law Enforcement/Criminal Justice Personnel (including medical examiners/coroners)
 - Public Health Personnel
- Licensed First Responders (Fire/EMS)
- Hospitals with Emergency Departments
 - Excludes associated researched units commonly seen with universities
- All agencies must sign a Participation Agreement prior to gaining access, it outlines the
 ODMAP Policies and Procedures

Overdose Event Data Entry Methods



Suspected overdose cases can be entered into the ODMAP system in **three** ways:

- Manual entry through the secure website
 (ODMAP is mobile friendly)
- ODFORM (for select law enforcement agencies)
- Application Programming Interface (API)



Overdose Event Data Points Collected by ODMAP

- Each case entry **must** include:
 - Date and Time
 - Location
 - Outcome (fatal/non-fatal)
 - Naloxone Administration
- Agencies can add additional information, including:
 - Suspected drug
 - Demographics (age and gender)
 - Transported to hospital



Real-time Data Collection through APIs

- An API allows for the direct, automated integration of the two software systems
- ODMAP utilizes a REST (Representational State Transfer) API, combined with a JSON payload to transfer data between both systems
- This is a combination of modern technology that is developer friendly and compatible with nearly all programming languages
- The API requires some set up at the beginning but does not require any changes to an agencies current data entry protocol



ODMAP and HIPAA

- ODMAP is not considered a "system of record" it collects location, date/time, fatality status, and naloxone administration
- The information captured by ODMAP is not considered PHI the location is translated into a geo-located point where an overdose occurred without any other information about a person
- W/B HIDTA and ODMAP do not retain any address information within the platform or on the server (they are deleted)
- ODMAP Zoom function is restricted to a zoom Level ID: 15 (scale of 1:18055.95)



ODMAP Tools

The National Map and Spike Alerts

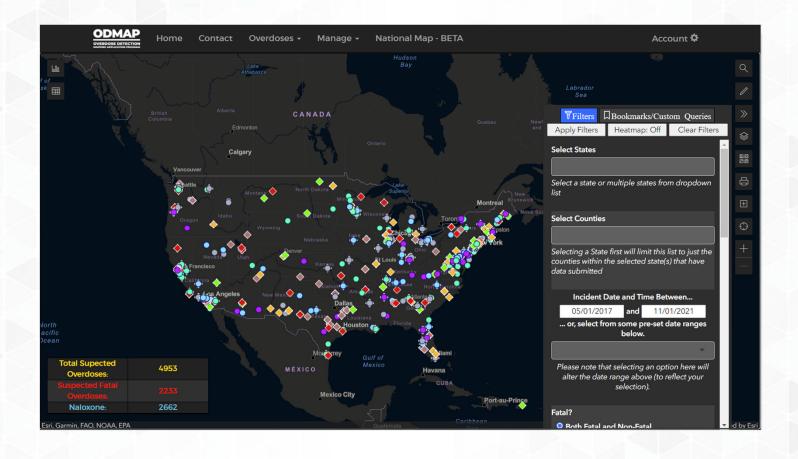


ODMAP Features

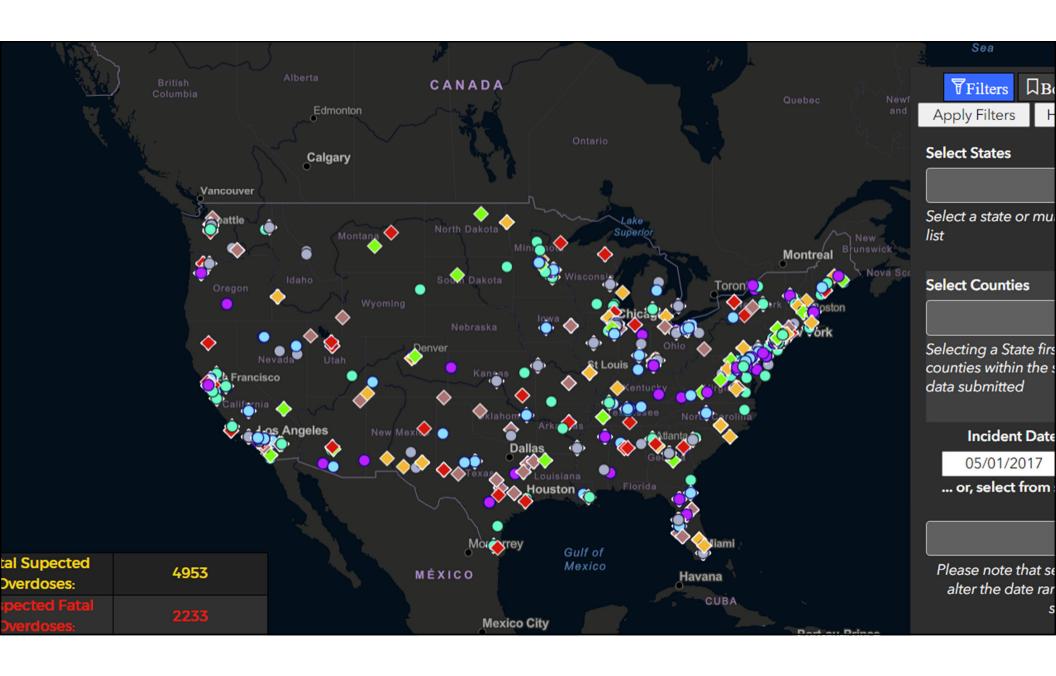
- ODMAP National Map
 - Cross jurisdiction suspected event information
 - Filters
 - Heat maps
 - Charts
- Spike, Overdose, and Statewide Alerts
- Adding personal data and Esri web layers
- Multiple agencies providing data for areas, capturing more suspected events



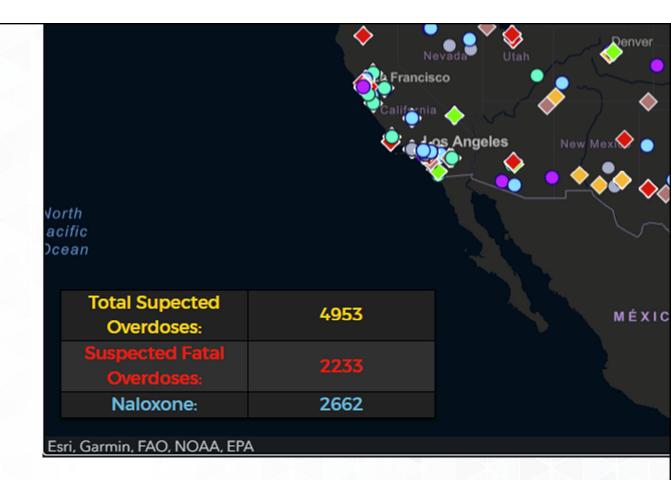
National Map and It's Features



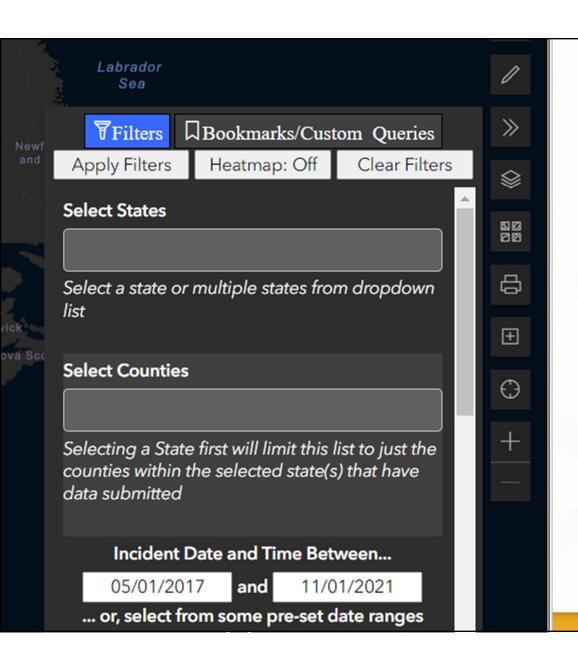




Default 24-hour Summary Statistics







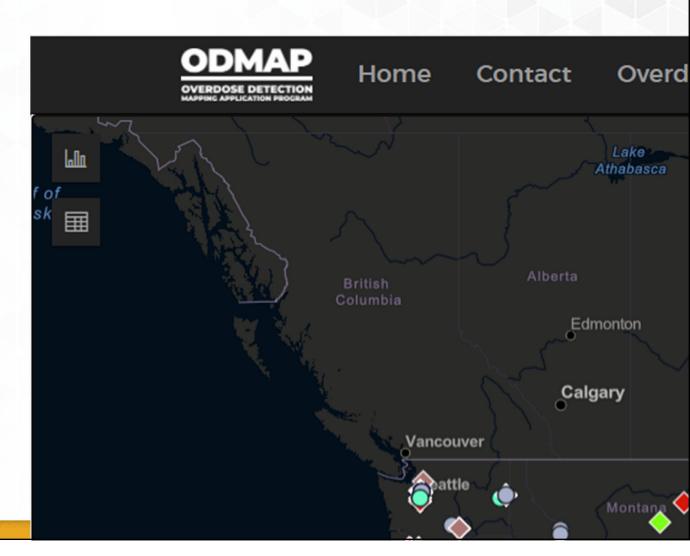
Built-in filters to do deep dives into ODMAP data, including:

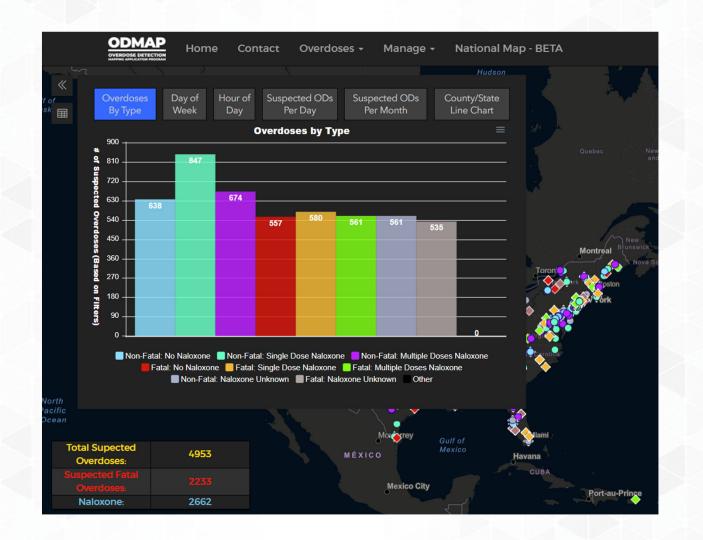
- Dates
- Location
- Type of Drug



Built-in charts, including:

- Outcome
- By Day/Month
- County/Line
 Comparison Chart







Spike Alerts





ODMAP in the Field

How do Agencies Use the Data in ODMAP to Drive Decisions



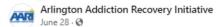
ODMAP and OFRs

ODMAP can provide OFRs with near real-time surveillance of suspected overdose events to better understand the context of these deaths and to take immediate action to prevent future deaths



Spike Alerts in the Field: Arlington County, VA

- On June 28, 2021, a spike alert was triggered for Arlington County, Virginia
- Public safety and health officials reached out to neighboring counties to identify scope of the spike
- Two other Northern Virginia counties reported higher than normal overdoses over the past weekend
- Arlington County stakeholders drafted a community alert and posted information on their coalition Facebook page, it included:
 - Information on the presence of Fentanyl
 - Local resources
 - Information on the local Safe Reporting of an Overdose
 Law



WARNING: There is a lethal batch of fentanyl in our region. There have been at least 15 deaths in the region (6 in Arlington alone) in the last two weeks due to this bad batch of Fentanyl

The fentanyl has been showing up in pressed pills (benzodiazepines and pain meds), marijuana and standalone fentanyl.

WHAT CAN YOU DO?

- · Request free NARCAN through the mail at narcan@arlingtonva.us
- Purchase naloxone/NARCAN from a pharmacy (no prescription required), most insurances cover it with a co-pay (Medicaid plans cover in full with no copay)
- Connect with The Chris Atwood Foundation (call or text: 703-653-4221) and request Fentanyl test strips to practice harm reduction
- Practice harm reduction: Go slow, try a small amount first, never use alone, always have narcan nearby, and use the Never Use Alone Hotline (https://neverusealone.com)
- In the event of an overdose, call for help. The Safe Reporting of Overdose Law is in place to offer protection from prosecution: no individual is subject to arrest or prosecution for any substance related crimes (other substances, paraphernalia, public intoxication, under age drinking) if they call for help for someone who is overdosing or they themselves are overdosing



Spike Alert Response Teams/Protocols

- Agencies create a tailored spike response program to ensure there is a quick response to increases or spikes in overdoses
- Should include public health, law enforcement, EMS, hospitals, and adjacent agencies (i.e. medical examiners/coroners and hospitals)
- Can set up spikes for any threshold on ODMAP, so agencies can be alerted based on their agency's prevention/response program



Outreach Teams

- Agencies can use ODMAP to identify cases in their specified jurisdiction
- Once an overdose is identified, they will connect with the reporting agency and implement their follow-up protocol
- Specific case information comes from the agency itself, not ODMAP





How You Can Get Started with ODMAP

- If you are part of an eligible agency, you can request agency access to ODMAP at odmap.org and complete the form
- Once approved, you can login and begin using
 ODMAP and all its features, like the National Map
- If you are part of an ODMAP agency, you can work with your admin to be added as a user using their agency code

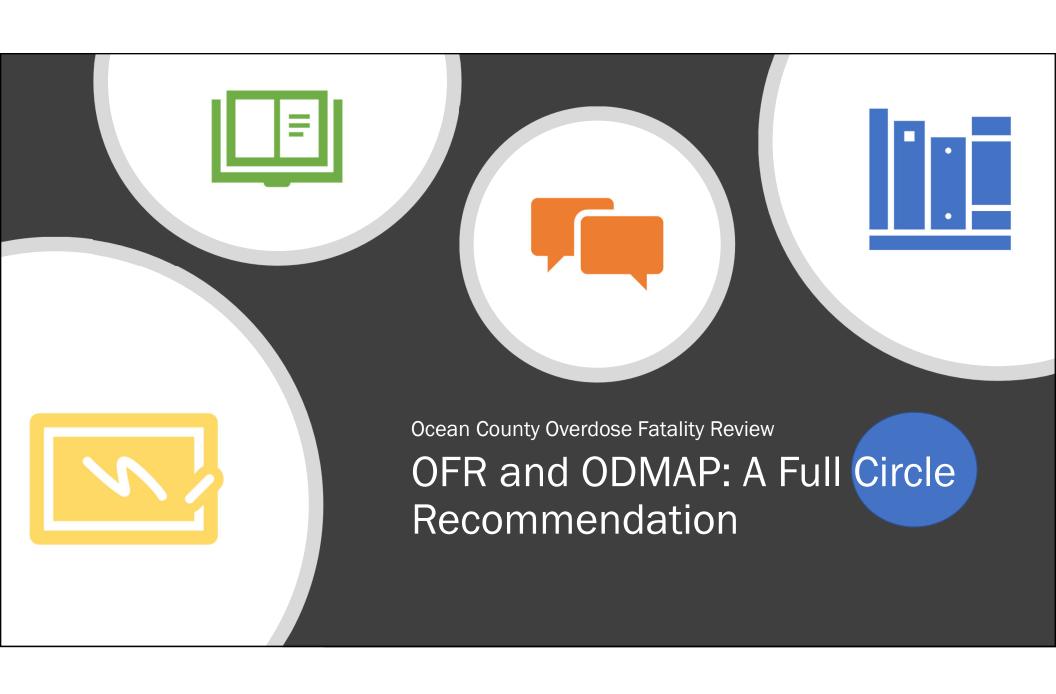




Questions?

Thank you for attending the ODMAP presentation





Ocean County Overdose Fatality Review Program

2



January 2018: After a year of planning, Ocean County, NJ launched its overdose fatality review process with over 30 affiliated partners

- 174 decedent cases reviewed to date
- Sub-Committees: Executive, Stigma Reduction, Chief's Opioid Response Committee, Recommendation Ad-Hoc

October 2018: New Jersey instituted an ODMAP pilot program

- All law enforcement agencies started using ODMAP by the end of 2019
- April 2021, integrated EMT and paramedic naloxone data into ODMAP

Enables the development of vital intelligence that supports

- County-based spike alerts
- Imminent Warning Report
- At-Risk Matrix



August 24, 2020 "At the time of this decedent's death, Ocean County was in an overdose spike" – NJSP Captain Piotrowski



Fall 2020 OFR Executive—Is there value in this idea/recommendation?

Partnered with New York/New Jersey HIDTA to explore ODMAP utilization in other jurisdictions



ONEIDA COUNTY, NY

• Drug Threat Analysis Worksheet

OHIO DEPARTMENT OF HEALTH

- Community Response Plan Template
- OHIO Against OD Campaign



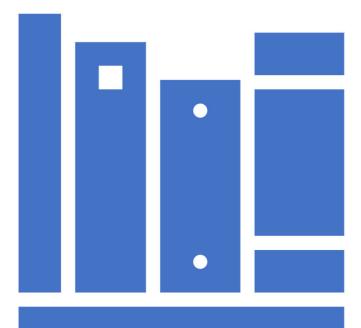
Recommendation Finalized: Now What?

- ODMAP education from NJSP
- OFR and OFR Executive support further review
- Informational Journey with NY/NJ HIDTA
- Full recommendation finalized and endorsed









Next Step of Processing Questions

- Who is the best agency to house this project?
- Do we need funding?
- How can we sustain project?



Answers

Who is the best agency to house this project?

- Ocean County Health Department
- Aligned with our mission/vision
- Department of Substance Abuse, Addiction, and Opioid Dependency

Do we need funding?

- Sure do!
- NACCHO Implementing Overdose Prevention Strategies at the Local Level (IOPSLL)—RFA due November 6, 2020

How can we sustain project?

• If we can get funding to build the foundation, we can sustain operations after



Recommendation Timeline Review

August 2020 ODMAP discussed in meeting

November 2020 NACCHO IOPSLL RFA submitted January 2021-Current IOPSLL Ocean County Overdose Response Plan Ocean County Media Campaign











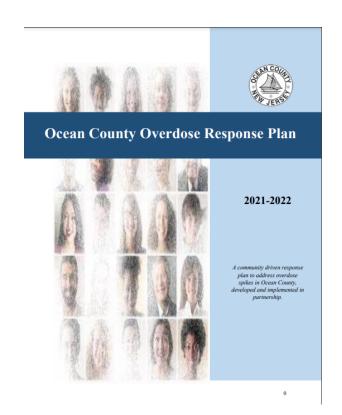


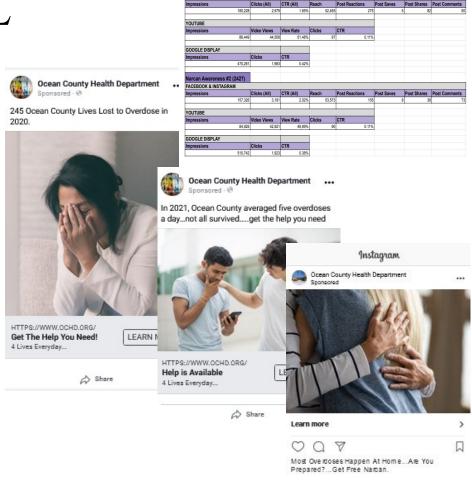
Fall 2020
Executive
Meeting
Approval
Research on
ODMAP done

November 2020 IOPSLL Funding Received Spring 2022

Can ODMAP continue to inform OFR meetings?

Ocean County IOPSLL





Report between 2/7/2022 and 2/27/2022 PURPLE gator

neral Awareness #2 (2426)

FACEBOOK & INSTAGRAM

Full Circle Recommendation: Bringing ODMAP into the OFR

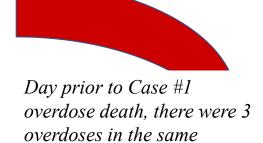
Case 1 ODMAP

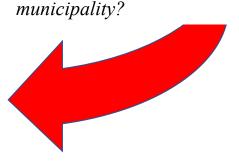
2/19/2021: 4 non-fatal overdose cases

- 2 single dose naloxone, both Toms River
- 2 multi-dose naloxone, 1 Brick, 1 Toms River

2/20/2021: 3 overdose cases, 1 fatal

- 1 non-fatal no naloxone: Lacey
- 1 non-fatal single dose naloxone: Point Pleasant Borough
- 1 fatal no naloxone: Toms River





ODMAP and Law Enforcement: Additional Initiatives at NJSP

At Risk Matrix Delivery (ARMD)

 Identifies at-risk individuals through analysis of naloxone administrations and arrest data.

Imminent Warning Report (IWR)

 Identify individuals who have an increased risk of overdose based on multiple recent naloxone administrations.

Spike Alert Response Plan (SARP)

Notification of local partners In the event an overdose spike.

Hot Spot Area Outreach (HSAO)

 Determination of Geographic "hot spot" analysis for high volume overdose areas of increased reported overdose incidents and traffic areas. Data
To
Prevention

At Risk Matrix Delivery (ARMD)

The DMI's At Risk Matrix Delivery (ARMD) is a report of identified individuals who previously overdosed. This tool helps identify those who most likely are in need of services and support.



Report information is provided via an analysis of correlated data sets including naloxone administration reports.

✓ The ARMD has been disseminated to all 21 NJ
counties in support of local outreach as well as the
Office of the Attorney General's Operation Helping
Hand (OHH).

Imminent Warning Report (IWR)

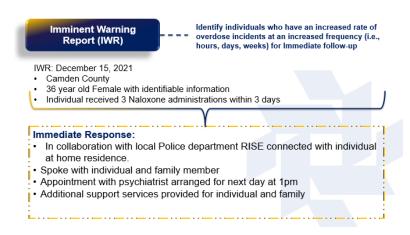
Identify individuals who have an increased risk of overdose based on multiple recent naloxone administrations

IWR: December 15, 2021

- Camden County
- 36 year old Female with identifiable information
- Individual received three Naloxone administrations within three days

Immediate Response:

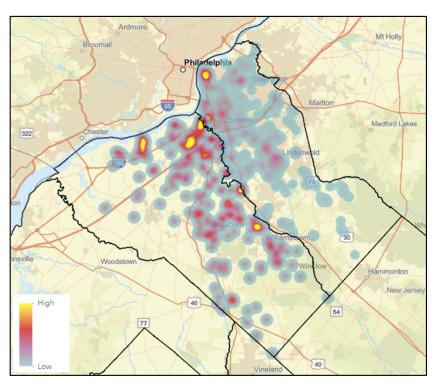
- In collaboration with local police department RISE connected with individual at home residence.
- Spoke with individual and family member
- Appointment with psychiatrist arranged for next day at 1:00 p.m.
- Additional support services provided for individual and family



This interaction is a testament in many ways, how?

- Law Enforcement making a difference; Local PD presence, went out to extend courtesy to an individual and connected to a family.
- Family felt taken back and very thankful; stated "I can't believe you came out here to help us, thank you so much!"
- The individual is confirmed to receiving assistance and has resources and additional support.
- Family in community has connected; understanding our intent has broken intimidating stigma towards law enforcement and the self infliction of Substance Use Disorder.
- Importance of DMI functional capacity; DMI Imminent Warning System (IWS) initiated a
 positive outcome of proactive interaction.

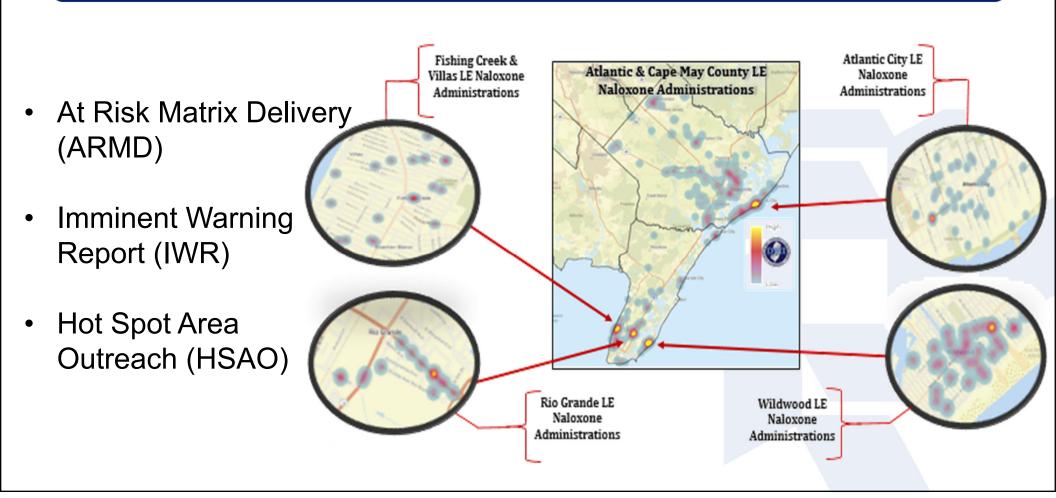
Incident Response



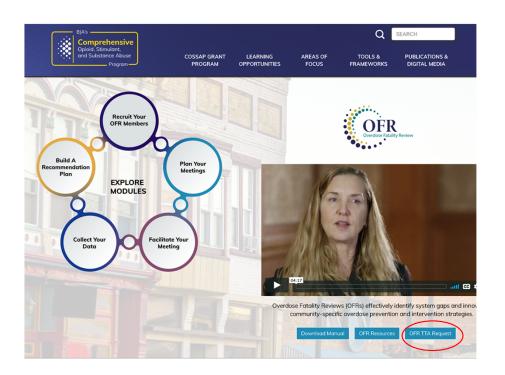
Camden & Gloucester County LE Naloxone Administrations

 Spike Alert Response Plan (SARP)—continued elevated rise in spike should occur RISE initiate's an immediate recovery support response

Critical Data-Driven Response



Training and Technical Assistance



Questions?