

2024 ANNUAL REPORT



**OVERDOSE DETECTION
MAPPING APPLICATION PROGRAM**

WASHINGTON / BALTIMORE



The background features three vertical stripes: a central dark red stripe flanked by two orange stripes. A large white circle with a thick dark blue border is centered on the page. A dotted white line follows the top and bottom curves of the circle. On the left and right sides of the circle, there are clusters of four small circles in black, orange, and dark red.

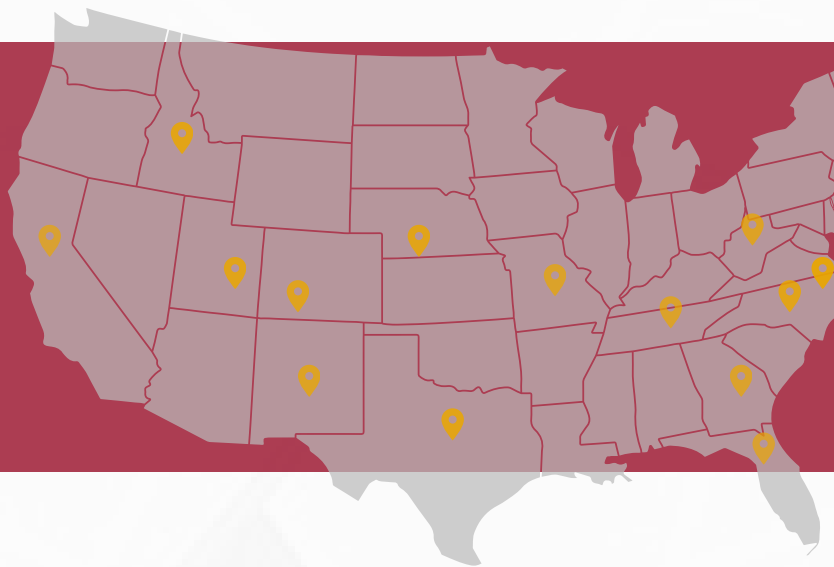
KEEP YOUR
COMMUNITY

AWARE
AND
PREPARED

TABLE OF CONTENTS

◆ 2024 Snapshot	4
◆ Purpose and Goals	5
◆ ODMAP Overview	7
◆ Engagement Trends	8
◆ Statewide Implementation Strategies	9
◆ ODMAP Strategies	10
◆ Naloxone Saturation Layer.....	11
• Background	12
• Layer Partners	12
• Layer Promotion	12
◆ Coming Up Next: 2025 Activities	13
• Predictive Modeling	
• Tribal Nation Layer	
• Milwaukee Drug Checking	
◆ Social Media	14
◆ Initiative Spotlight: Meriden DHHS	16
◆ Partnership Highlight: Nogales Police Department.....	17
◆ Spotlight Series	18
◆ Connect With Us	19

2024 SNAPSHOT



2024 was a year of growth and development for the ODMAP team. We introduced the Naloxone Saturation Layer, forged new partnerships across the country, and surpassed 2.8 million overdose events recorded in the system. Building on this momentum, the team is eager to roll out new and innovative features/tools for all users and furthering ODMAP's impact nationwide throughout 2025. Here are a few key 2024 ODMAP achievements and program highlights.

366

New Agencies
Onboarded

4,258

New Users

460,326

Suspected Overdoses
Events Occurred in 2024

2024 QUICK FACTS

2

Key New Features Released

2,876,645

Total Overdose Incidents
Reported since 2016

59,312

Spike Alerts Sent

26

New APIs

PURPOSE AND GOALS

The purpose of ODMAP is to provide near real-time surveillance of suspected overdose events across jurisdictions in the United States (US) and its territories, to support public safety and public health efforts to mobilize an immediate response to a sudden increase, or spike, in overdose events.

Goals

1. To save lives.
2. To provide near real-time surveillance of suspected overdose events occurring throughout the US and its territories.
3. To collect generalized geographic data points of suspected overdose events, which users manually enter or agencies upload through the automated ODMAP Application Programming Interface (“API”). Participating Agencies can use this data to identify suspected overdose occurrences and spikes in near real-time.
4. To provide support, coordination, and resource assistance in the collection, storage, exchange, dissemination, and analysis of ODMAP data for Participating Agencies.
5. To enable Participating Agencies to develop effective strategies for addressing overdose incidents occurring in their jurisdictions.
6. To enhance the development of regional strategies designed to prevent the spread of substance use disorders resulting in overdose incidents.

“WHEN RESPONDING TO FENTANYL OVERDOSES, AN EXTRA MINUTE CAN SAVE A LIFE,” CANTWELL SAID. TRACKING FATAL AND NON-FATAL OPIOID OVERDOSES WILL HELP OUR FIRST RESPONDERS, LAW ENFORCEMENT, AND PUBLIC HEALTH PROFESSIONALS BETTER TARGET AND PREVENT OD SPIKES AND SURGE RESOURCES TO COMMUNITIES THAT NEED THEM THE MOST.”

SENATOR MARIA CANTWELL

WASHINGTON STATE

SOURCE: GRASSLEY, CANTWELL BILL TO FIGHT OPIOID EPIDEMIC THROUGH DATA COLLECTION

PASSES SENATE

DECEMBER 2024

“WE COMMEND THE EFFORTS OF SENATORS CANTWELL AND GRASSLEY FOR THEIR WORK ON THE OPIOID OVERDOSE DATA COLLECTION ENHANCEMENT ACT. DEVELOPING A CLEAR PICTURE OF WHERE FATAL AND NON-FATAL DRUG POISONINGS AND OVERDOSES OCCUR ALLOWS LAW ENFORCEMENT AND PUBLIC HEALTH PROFESSIONALS TO DEDICATE THE NEEDED RESOURCES TO AREAS EXPERIENCING SPIKES IN INCIDENCES.”

ERIC BROWN

PRESIDENT OF THE NATIONAL NARCOTIC OFFICERS' ASSOCIATIONS' COALITION

SOURCE: GRASSLEY, CANTWELL BILL TO FIGHT OPIOID EPIDEMIC THROUGH DATA

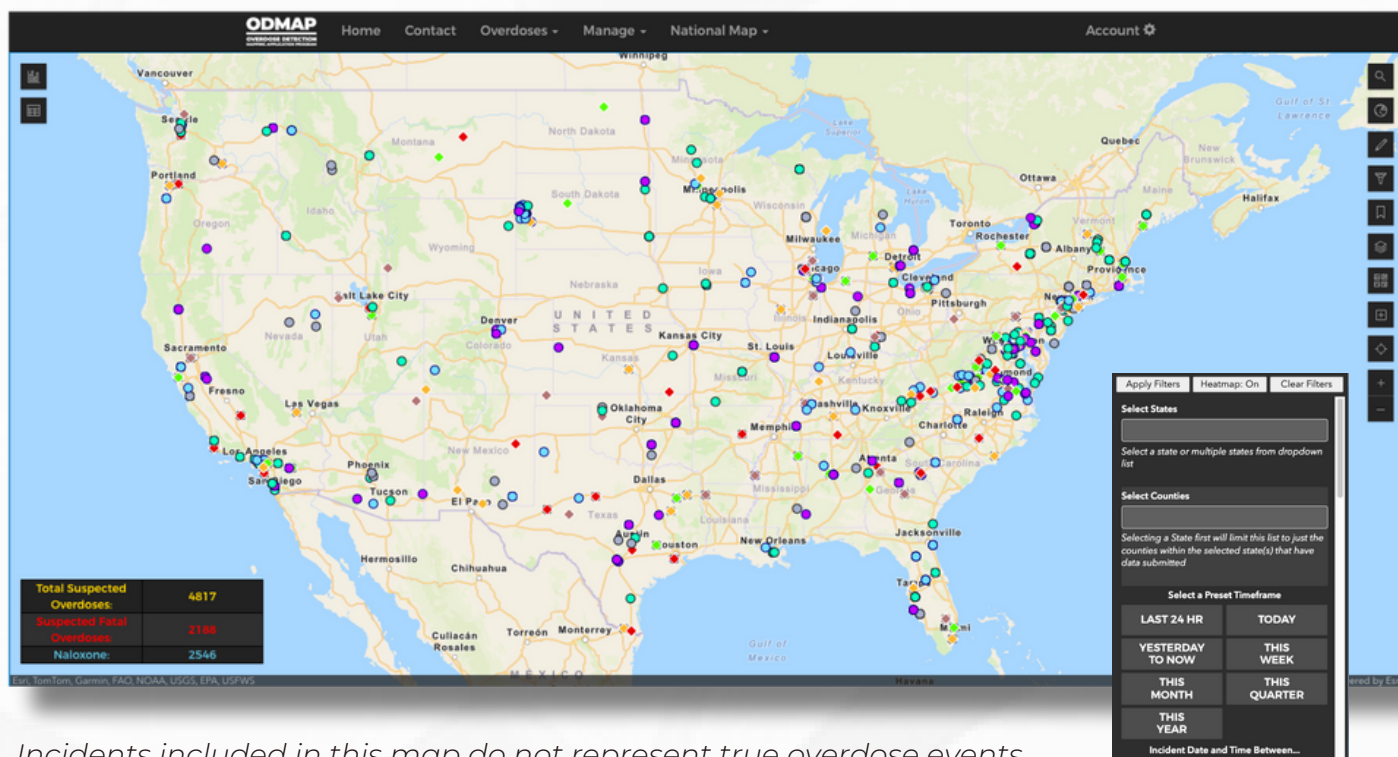
COLLECTION PASSES SENATE

DECEMBER 2024

ODMAP OVERVIEW

ODMAP is a free, web-based tool that provides near real-time suspected overdose data to support public safety and public health efforts to mobilize an immediate response to overdose events. The platform displays suspected overdose event data within and across jurisdictions, helping agencies identify spikes and clusters of suspected overdose events in their community, neighboring communities, and across the country. ODMAP partners with federal, state, local, and tribal agencies including law enforcement/criminal justice personnel, public health personnel, Fire/EMS, and hospitals with emergency departments.

The program, launched in 2017, continues to develop and integrate new features. This report will showcase ODMAP statistics, National Map features, and key partnerships that occurred in 2024.

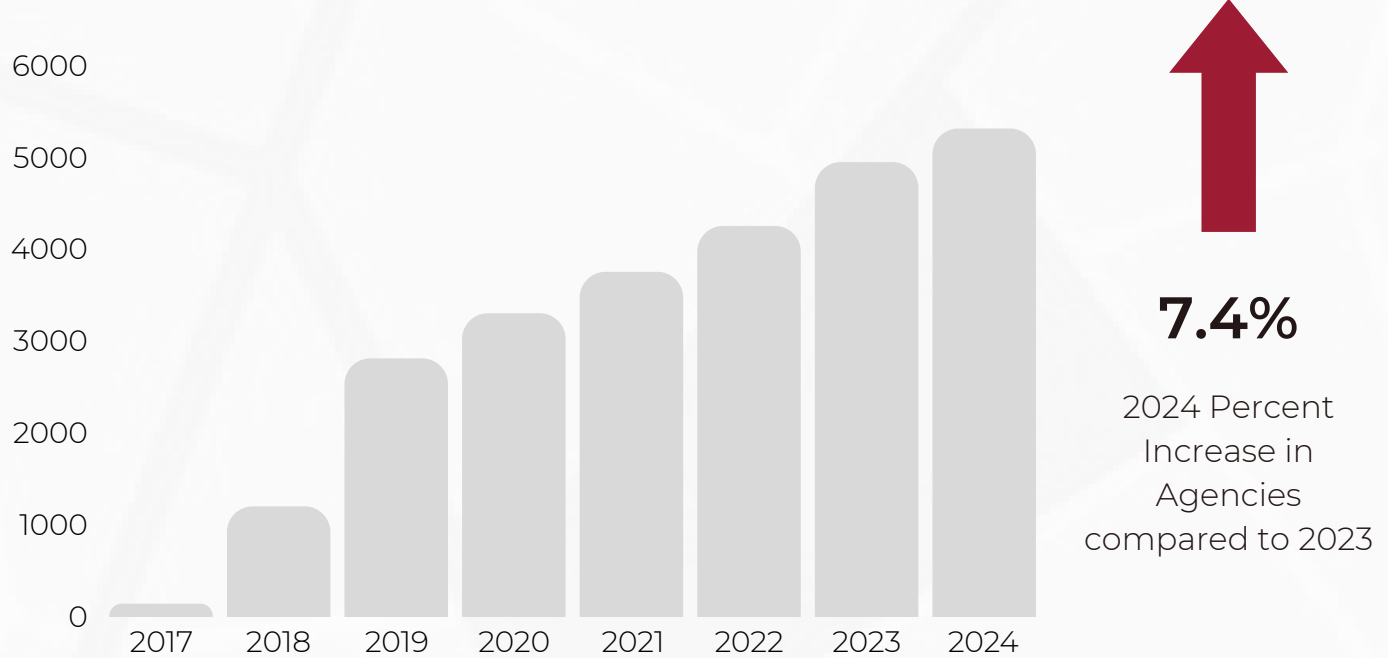


Incidents included in this map do not represent true overdose events

ENGAGEMENT TRENDS IN 2024

ODMAP is available to all local, state, federal, and tribal public safety and public health agencies dedicated to reducing, responding to, and preventing overdose events. By the end of 2024, over 36,000 users, represented by 5,312 agencies, had been approved to use ODMAP.

Total Number of ODMAP Agencies, 2017-2024



4,258

New Users



167

New Data
Contributing
Agencies



1,261

Average
Number of
Overdoses
Entered Daily



1,493

Agencies
Submitted
Overdose Events
to ODMAP



59,312

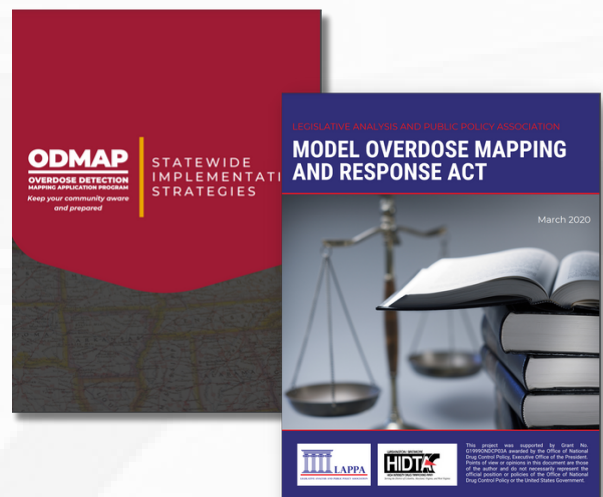
Spike Alerts
Notifications
Sent

1) statewide application programming interface (API), 2) statewide ODMAP implementation or data entry strategy, and 3) legislation and/or policies related to ODMAP.

Statewide APIs allow ODMAP to receive data directly from an automated record management system. At the state level, ODMAP partners with public health and public safety to collect all state data from one source.

States across the country have passed legislation that supports or requires agencies to submit data to ODMAP.

Coordinated data entry or statewide implementation strategy varies by state and also includes those states that received the Bureau of Justice Administration's Comprehensive Opioid, Stimulant, and Substance Use Program 2019 ODMAP Expansion Grants.

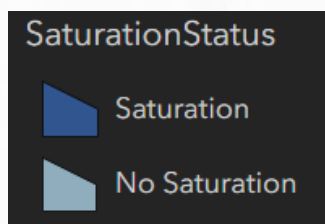


STRATEGIES

Statewide API(s)	Legislation/Policy	Data Entry/Statewide Strategy
• Alabama • Alaska • California • Connecticut • Delaware • District of Columbia • Florida • Georgia • Idaho • Indiana • Kansas • Kentucky • Maine • Maryland • Michigan • Mississippi • Montana • Nevada • New Jersey • Pennsylvania • Rhode Island • South Carolina • South Dakota • Utah • Virginia • West Virginia • Wisconsin	• California • Colorado • Connecticut • Florida • Illinois • Maryland • Nebraska • Nevada • New Jersey • South Carolina • Texas • West Virginia • Wisconsin	• Connecticut • Delaware • Florida • Georgia • Idaho • Maine • Minnesota • Montana • Nevada • New Jersey • New York • Ohio • Oklahoma • Rhode Island • Wyoming

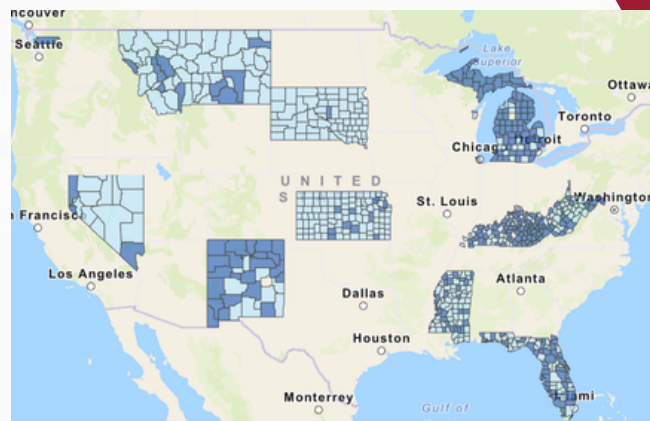
NALOXONE SATURATION LAYER

The Naloxone Saturation Layer is a tool within the National Map that provides users with county-level naloxone saturation status, indicating where sufficient naloxone is available to potentially reduce overdose deaths. It uses a color-coded choropleth map and provides additional information like the number and rate of naloxone kits distributed to inform overdose prevention and response strategies.



Color-coded in shades of blue.

The Naloxone Saturation Layer will enable participating agencies to leverage near real-time naloxone information in their communities and compare to suspected drug overdose events and spikes in order to target naloxone distribution to high-risk areas and populations. The Naloxone Saturation Layer will support public health, public safety, and community organizations in overdose prevention and response activities, including targeted naloxone distribution and identification of naloxone deserts.



Agencies submit naloxone distribution data into the ODMAP system with five required data points: 1) state; 2) county; 3) distribution year; 4) distribution month; 5) number of monthly naloxone kits distributed. The most recent monthly naloxone distribution data is highly recommended for the Naloxone Saturation Layer to be useful.



To learn more information on the Naloxone Saturation Layer, view the [Naloxone Saturation Layer One Pager](#) on the ODMAP website, or watch the [Naloxone Saturation Layer Webinar](#) on the ODMAP YouTube Page.

NALOXONE HIGHLIGHTS

BACKGROUND

In 2022, the Office of National Drug Control Policy (ONDCP) provided supplemental funding to ODMAP to create the Naloxone Saturation Layer (NSL). Studies have shown that sufficient naloxone distribution can reduce opioid overdose fatalities, a principle termed naloxone saturation. ODMAP partnered with agencies to report near real-time county-level naloxone kit availability, filling a critical data gap. Combining this naloxone data with ODMAP's near real-time suspected overdose event data created a more robust platform for overdose prevention and response.

LAYER PARTNERS

Six pilot sites contributed naloxone data and participated in meetings: Chicago, District of Columbia, Kansas, Kentucky, Michigan, and Montana. After the May launch, the following eight sites joined: Brown County (WI), Florida, Mississippi, Nevada, New Mexico, Skagit County (WA), South Dakota, and West Virginia.

LAYER PROMOTION

The NSL was promoted throughout 2024 via webinars and demonstrations with national, state, and county partners. The ODMAP team leveraged its partnership with the Overdose Response Strategy (ORS) to demonstrate the NSL during the monthly ORS Office Hours meeting for their public health staff. In May, a public launch webinar was held and had over 400 attendees while the NSL was also invited to participate in a roundtable session at the ORS Conference in Dallas, Texas. Subsequent demonstrations to state and county agencies throughout the year resulted in further participation and layer expansion. These efforts will continue in 2025 to expand the layer to interested sites across the country.

COMING UP

NEXT: 2025 ACTIVITIES

Predictive Modeling (Mathematica)

The ODMAP team has partnered with Mathematica to explore predictive analytic options available to ODMAP. Mathematica is a research organization dedicated to improving public well-being, with more than 50 years of expertise in health research, data analytics, and working with partners to improve the systems their partners serve. The ODMAP team and Mathematica are enabling partnering agencies to be better informed and more prepared for overdose events within their jurisdictions.

Tribal Nation Layer

ODMAP is expanding National Map capabilities and working on building a new Tribal Nations Layer feature to be added to the map. This feature will allow Tribal Nations to have the ability to view specific overdose information in their areas as a layer. ODMAP is looking for stakeholders who would be interested in this layer, to collaborate with.

Drug Checking

ODMAP is partnering with the City of Milwaukee Health Department to develop a new layer that will collect and report drug checking sample data. The data will be entered into a separate form on ODMAP and then mapped as a separate layer on the National Map. This project is part of their COSSUP funded MDROP project.

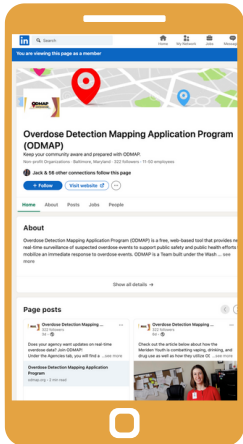
SOCIAL MEDIA



ODMAP LinkedIn



ODMAP Facebook



ODMAP's LinkedIn page and Facebook page directly connects with the community and continues to engage with the community multiple times a week. On the ODMAP LinkedIn and Facebook page you will find information on ODMAP updates, Spotlight Series, links to resources, and shared posts from stakeholders and ODMAP users.

You can also find us on our [website](#),

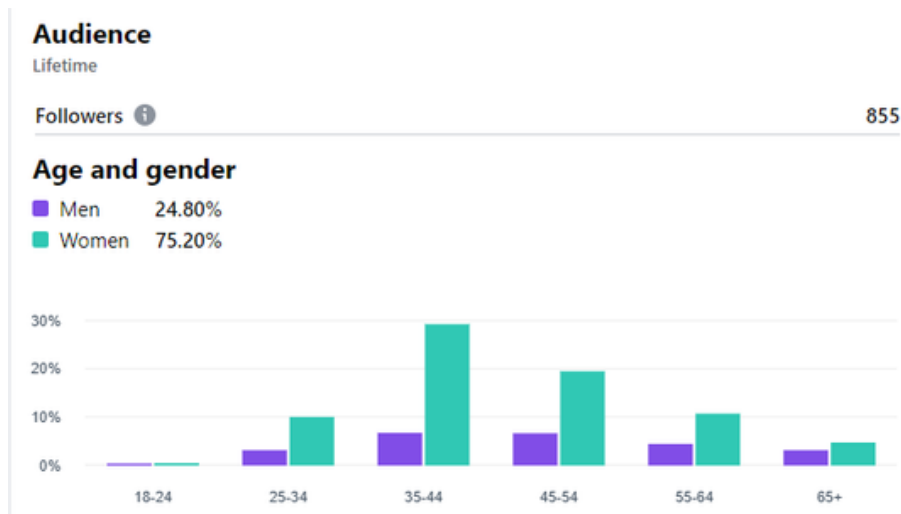
ODMAP LinkedIn Analytics

February 2024 - December 2024

32,050	862	3	10	678
Impressions	Reactions	Comments	Reposts	Followers

ODMAP Facebook Analytics

All Time



855
Followers



“WE WANT TO BE ABLE TO IDENTIFY IF THERE IS ANY TRENDS THAT DO POP UP SO THAT WE CAN PROTECT OUR COMMUNITY, SAID MICHAEL SILVA, CITY OF MISSION INTERIM FIRE CHIEF. THE NEW TECHNOLOGY ALLOWS THE FIRE DEPARTMENT TO MAP OUT OVERDOSE INCIDENTS ACROSS THE CITY AND HELP SPOT GEOGRAPHICAL TRENDS AND PATTERNS.”

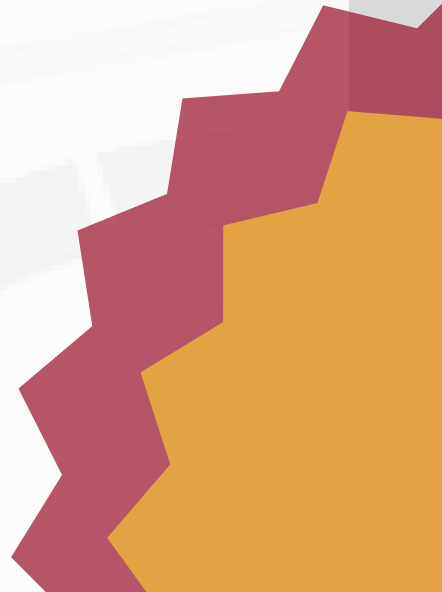
MICHAEL SILVA

INTERIM FIRE CHIEF

MISSION FIRE DEPARTMENT, TEXAS

SOURCE: MISSION FIRE DEPARTMENT HELP
MAP OUT OVERDOSE HOTSPOTS

NOVEMBER 2024



INITIATIVE SPOTLIGHT

Meriden Department of Health and Human Services, Connecticut

In response to rising overdose deaths in Connecticut, Meriden's Department of Health and Human Services (MDHHS) brought together city leaders and community groups. A SWOT analysis of local substance use disorder services (prevention, response, treatment, and recovery) informed the creation of the Meriden Opioid Referral for Recovery (MORR) program. This collaborative effort between Meriden's Police, Fire, and Health Departments, and Rushford Treatment Program Center equips first responders with Narcan to reverse opioid overdoses. Critically, MORR also enables first responders to link individuals to Rushford's MORR team for essential follow-up care, including assessment, treatment, and case management.



The Meriden Department of Health and Human Services (MDHHS) uses ODMAP to monitor overdose data, capturing details like zip code, nearest intersection, date, time, naloxone administration, and suspected substance. This information helps identify local substance trends, inform community partners, and adapt education and prevention strategies in real time. Each month, MDHHS partners with the New Haven Health Department (also in the same county) to create a data visualization using Power BI. This data is then shared with the MORR grant team (Police, Fire, EMS, and Rushford) and Meriden's harm reduction outreach workers.

PARTNERSHIP HIGHLIGHT

Nogales Police Department, Arizona

Nogales Police Department has been reporting all suspected overdoses within its jurisdiction and has also uploaded historical overdose data dating back to 2018 into ODMAP. This combination of current and past data allows for better allocation of resources and services to areas with historically high overdose rates.



ODMAP enables the Nogales Police Department and the Santa Cruz County Overcoming Substance Addiction (SOSA) Consortium to share precise overdose data within the city and across the county. This valuable information helps the Consortium better understand Substance Use Disorder (SUD) and Opioid Use Disorder (OUD) trends specific to Santa Cruz County. A key partnership between the Nogales Police Department (NPD) and HOPE, Inc. (a Consortium member) is crucial for connecting individuals with local resources. After a reported overdose, the NPD refers individuals to prevention and recovery services. This collaboration between the NPD and Consortium members builds community trust and provides a comprehensive, proactive approach to addressing SUD/OUD in Santa Cruz County. ODMAP supports this collaboration by ensuring all partners have the data necessary to improve SUD and OUD outcomes.

The Nogales Police Department has implemented overdose and spike alerts through ODMAP, enabling Consortium members to receive real-time, accurate information and improve their response efforts. The Department actively promotes ODMAP's use throughout Santa Cruz County, providing regular updates to the Consortium during monthly meetings and quarterly data reviews. The SOSA Consortium has found ODMAP's data to be more current and accurate for understanding the situation in Santa Cruz County.

SPOTLIGHT SERIES



Tell us how your agency is using ODMAP, complete the survey using the QR code

The goal of this initiative is to learn about how agencies across the country are using ODMAP in their overdose response, reduction, and prevention activities and share these programs with other agencies.

The ODMAP team concluded our 2024 Spotlight Series, which featured 6 agencies that leverage ODMAP to drive impactful results. Each agency shed light on their ODMAP implementation method and developed a one-pager to share with the ODMAP community. These spotlights serve to recognize stakeholders and illustrate the innovative ways in which they employ ODMAP to positively impact their communities.

The Spotlight Series can be found on the [ODMAP website](#) and [LinkedIn Page](#). New Spotlight Series will be released throughout 2024.

ODMAP Spotlight Series:
Roanoke City and Alleghany Health District, Virginia

Keep your community aware and prepared

SPIKE ALERT FRAMEWORK

The Roanoke Valley is at the epicenter of the opioid epidemic. The city of Roanoke had a fatal overdose rate 4x higher than the state average in 2022. Roanoke City and Alleghany Health District (RCAHD) initiated their spike response framework in summer 2022 but was fueled by integration of local EMS data in the fall of 2022. In early 2023, RCAHD began meeting with a local coalition to draft an initial Spike Alert Response Plan. The RCAHD group worked together to set primary goals of the plan. This plan included reducing overdoses and fatalities by empowering people who use drugs with up-to-date information on trends and potent batches, collaborating across sectors, and sharing information easily and freely with those most able to use it.

When overdoses surpass a set threshold or continue for multiple days, an email goes out to the RCAHD group via email/text from the city Community Health Epidemiologist. RCAHD encourages two-way communication among networks.

Harm reduction programs are able to provide feedback from their participants on what they are experiencing/observing. Early evaluation data showed largely positive responses from participants of local harm reduction programs. 74% of those respondents identified as people who use drugs (PWUD) and had a clearer understanding of when overdose spikes were occurring. All respondents said more informed choices would be made when knowing if a spike was occurring, including abstaining from use, not using alone, changing suppliers, and reducing use or going slow.

The RCAHD Spike Alert Response rolled out in summer of 2023 and includes nine partners – two local harm reduction programs, one HIV testing/treatment center, two peer recovery specialist networks, two behavioral healthcare providers, one homelessness prevention team, and one EMS agency.

[ODMAP Spike Alert Explainer Video](#)

HIDTA **ODMAP**

How Cy-Fair Fire Department is Tackling the Opioid Crisis with ODMAP

Keep your community aware and prepared

Our Strategy and Insights with ODMAP:

- Raising Awareness:** As we encounter skepticism about the opioid crisis's scope within our community, ODMAP has become our evidence; dispelling myths of distance and disassociation. The national mapping serves as a reality check demonstrating that the issue is not just "somewhere else" but right here, in Cy-Fair.
- Driving Data-Driven Discussions:** Using ODMAP's data, we have engaged in meaningful dialogues with everyone from local policymakers to schools and community members. The data available in ODMAP helps validate the totality of our concerns while helping shape our conversations that lead to timely and factual decision-making processes.
- Enhancing EMS Response:** The near real-time data provided by ODMAP allows us to respond proactively by allocating resources efficiently, ensuring that we are always prepared to respond where and when we are needed most.
- Tracking Trends and Preparing for Crises:** The spike alert feature in ODMAP has been a game-changer. For example, spike alerts in other areas of the state serve as an early warning of incoming threats to our area.
- Keeping Our Community Informed:** We use ODMAP data to maintain open communication lines with the community we serve. Whether its warnings about particularly dangerous batches of opioids or sharing success stories, ODMAP allows us to keep our community updated and safe.
- Collaborating for Better Outcomes:** ODMAP eliminates data silos. Removing these barriers allows us to contrast our situation with that of other communities, sharing challenges, but also solutions to enhance the collective resolve through the opioid crisis.

Our Call to Action for Other Agencies:

Our experience with ODMAP underscores its value as more than just a data repository – it's a lifeline. It empowers us to make informed decisions, act swiftly, communicate effectively, and fundamentally change how we tackle the opioid crisis.

We encourage other agencies to consider how ODMAP can revolutionize their approach to this epidemic. Together we can make a positive impact on the fight against opioid abuse. Let's take this step forward, for our communities and for a future where the tide of this crisis is turned.

ODMAP

ODMAP Spotlight Series:
New Haven Health Department, Connecticut

Keep your community aware and prepared

BACKGROUND

The New Haven Health Department (NHV Health) started using ODMAP in 2020. NHV Health has added the New Haven City Layer on to the National Map data layering tool to review not only New Haven County data, but also New Haven City data. NHV Health strives to conduct surveillance and share data, collaborate with their partners, and provide safe use messaging and guidance to the public.

SPIKE ALERT FRAMEWORK

NHV Health is subscribed to ODMAP spike alerts so that they are informed when overdose incidents exceed the custom threshold number, they have set it to. They have included City Leadership, their First Responders, and some Community Partners to receive the spike alert. Upon receiving the notification, NHV Health will review their data sources and share information on the email thread and then with others, as deemed appropriate. NHV Health has developed a "Overdose Spike Alert and Unusual Activity Communications Protocol" that guides in determining if there is a spike and/or unusual activity, and if so, outlining the communications level that needs to be utilized for messaging the state, City departments, community partners, and the public.

ODMAP INTEGRATION

The NHV Health Overdose Prevention staff, which includes Navigators and Epidemiologist, regularly reviews data and enter details into their database. NHV Health has multiple dashboards from various data sources that are used to understand overdose activity in New Haven and surrounding areas.

NHV HEALTH
DEPARTMENT PROMOTE PREVENT PROTECT

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odmap.org



odmap@wb.hidta.org



[LinkedIn](#)



[YouTube](#)



If your agency is interested in joining ODMAP, use the QR code to complete the Agency Request Form



REAL-TIME DATA

PRODUCING LONG-TERM SOLUTIONS

