2023 ANNUAL
REPORT

ODMAP

OVERDOSE DETECTION
MAPPING APPLICATION PROGRAM

WASHINGTON / BALTIMORE
HIDTA
HIGH INTENSITY DRUG TRAFFICKING AREA

KEEP YOUR COMMUNITY
AWARE AND PREPARED

LETTER FROM OUR
EXECUTIVE DIRECTOR

The nation's overdose epidemic continues to be the most significant policy priority for public health and safety partners. Over the past decade the lethality and availability of drugs trafficked and used in our communities has continued to grow at an alarming rate. Each of us has lost someone we know, friends or family members to drug overdose. Developing solutions and supporting efforts to respond to this crisis is the number one priority of the Washington/Baltimore HIDTA. That is why, in 2017 we built the Overdose Detection Mapping Application Program (ODMAP), a tool designed to support response efforts addressing supply reduction, demand reduction, and harm reduction throughout the country.

Jeff Beeson
Executive Director
W/B HIDTA

We know that one of the most important aspects of effective policy is data that drives decisions and supports outcomes that achieve our shared mission to save lives. ODMAP provides near-real time overdose data that offers first responders, public health, and policy makers the information necessary to implement effective strategies. We are proud of role that ODMAP is serving nationally, and grateful to the 5,000+ agencies who use this tool to drive response strategies.

When we look at the work we have accomplished, the innovation, and outcomes through the implementation of ODMAP, we know that we are making a difference and supporting the needs of our stakeholders. Looking into 2024, the W/B HIDTA and ODMAP team will continue developing new and innovative features that will assist in efforts to reduce, respond to, and prevent overdoses and most importantly save lives.

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2023
SNAPSHOT

2023 was a year of growth for the ODMAP team. We welcomed two new team members, released six new features, created new partnerships across the country, and surpassed two million overdose events entered into the system. The team is looking forward to leveraging this momentum to bring new features/tools and continue the expansion of ODMAP across the country. Here are a few quick facts about ODMAP's growth in 2023.

682
New Agencies Onboarded

5,987
New Users

539,280
Suspected Overdoses Events Occurred in 2023

2023 QUICK FACTS

6
New Features Released

35
New APIs

55,502
Spike Alerts Sent

2,569,631
Total Overdose Incidents Reported since 2016

"ODMAP EXEMPLIFIES THE HIDTA PROGRAM'S COMMITMENT TO SUPPORTING LAW ENFORCEMENT'S EFFORTS TO ADDRESS THE OVERDOSE CRISIS BY BREAKING DOWN INFORMATION SILOS AND PROPAGATING TIMELY, INNOVATIVE AND COLLABORATIVE RESPONSES"

NICK ROTI

DIRECTOR OF THE CHICAGO HIDTA
CHAIR OF THE HIDTA DIRECTOR'S COMMITTEE

"ODMAP IS AN INCREDIBLY VALUABLE TOOL THAT CAN PROVIDE A MORE ROBUST PICTURE OF THE DRUG OVERDOSE LANDSCAPE IN COMMUNITIES. ODMAP CAN INFORM OVERDOSE PREVENTION AND RESPONSE EFFORTS AT THE LOCAL LEVEL AND CAN HELP DRIVE DATA TO ACTION TO ENSURE SERVICES AND RESOURCES ARE REACHING THOSE MOST IN NEED."

JESSICA WOLFF

PUBLIC HEALTH AND PUBLIC SAFETY TEAM LEAD
DIVISION OF OVERDOSE PREVENTION, CDC

# 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.
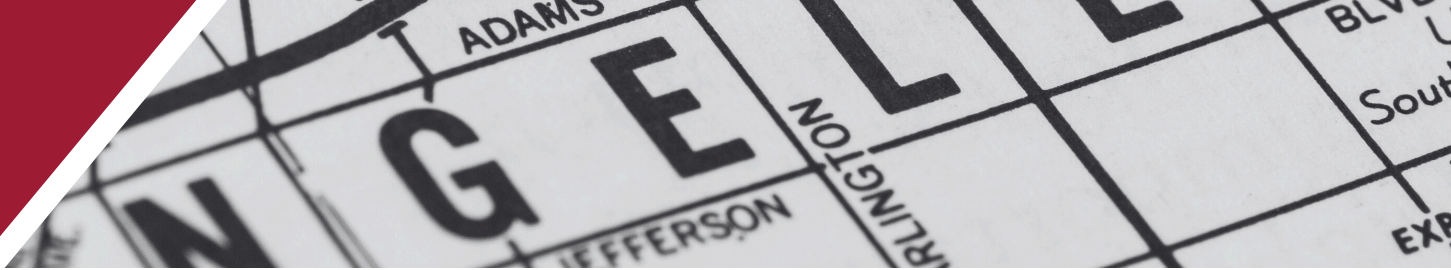
Overview

ODMAP is a free, web-based, mobile-friendly platform for near real-time reporting and surveillance of suspected fatal and non-fatal overdose events. ODMAP's goal is to provide near real-time data to public safety and public health agencies, enabling them to mobilize responses to overdoses as quickly as possible. 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.

Launched in 2017, the program continues to develop and integrate new features to support agencies as they see an ever-changing drug landscape. This report will highlight new features, ODMAP successes, and key partnerships developed in 2023.

The National Drug Control Strategy

In April 2022, ODMAP was identified as an essential tool in the White House's National Drug Control Strategy. The strategy states ODMAP " will provide near-real time information for an increasing number of local jurisdictions." Our continued growth and development over the last seven years supports this statement.

NATIONAL DRUG CONTROL STRATEGY

THE WHITE HOUSE
EXECUTIVE OFFICE OF THE PRESIDENT
OFFICE OF NATIONAL DRUG CONTROL POLICY
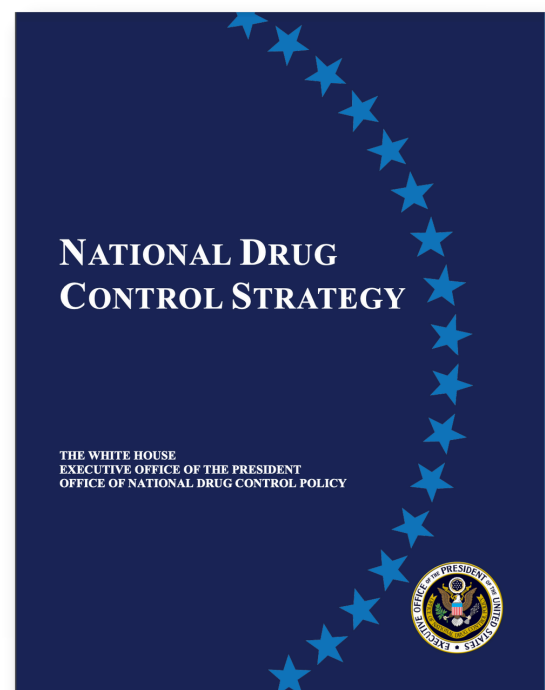
Engagement Trends in 2023

ODMAP is available to all local, state, federal, and tribal public safety and public health agencies that are working to reduce, respond to, and prevent overdose events. By the end of 2023, 4,922 agencies were approved to use ODMAP.

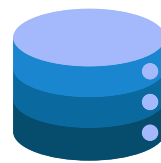*Total Number of ODMAP Agencies, 2017-2023*

15.8%

2023 Percent Increase in Agencies compared to 2022
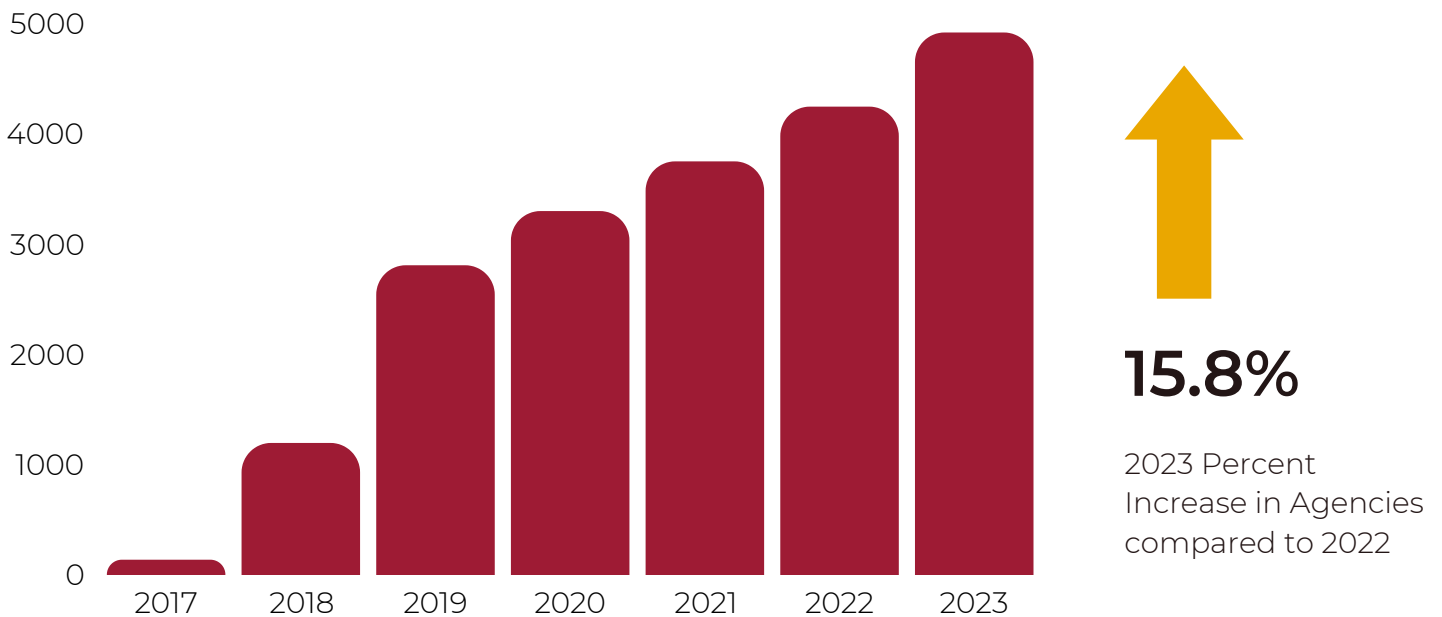
5,987
New Users

240
New Data Contributing Agencies

1,477
Average Number of Overdoses Entered Daily

1,579
Agencies Submitted Overdose Events to ODMAP

55,502
Spike Alerts Notifications Sent

STATEWIDE IMPLEMENTATION
STRATEGIES

34

States with a Statewide ODMAP Strategy

There are three different types of statewide strategies: 1) statewide API, 2) legislative/policy, and 3) data entry or statewide strategy. States can have multiple statewide strategies, for example, Florida has both a statewide API and legislation mandating the reporting of overdoses to ODMAP.

01.   Statewide API

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

02.   Legislation/Policy

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

03.   Data Entry or Statewide Strategy

The third type of statewide strategy is a coordinated data entry or statewide implementation strategy. This does vary 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.

LEGISLATIVE ANALYSIS AND PUBLIC POLICY ASSOCIATION

MODEL OVERDOSE MAPPING AND RESPONSE ACT

March 2020

LAPPA
LEGISLATIVE ANALYSIS AND PUBLIC POLICY ASSOCIATION

WASHINGTON / BALTIMORE
HIDTA
HIGH INTENSITY DRUG TRAFFICKING AREA
Serving the District of Columbia, Maryland, Virginia, and West Virginia

CURRENT STRATEGIES

Statewide API(s)	Legislation/Policy	Data Entry/Statewide Strategy
- Alabama	- California	- Connecticut
- Alaska	- Colorado	- Florida
- California	- Connecticut	- Idaho
- Connecticut	- Florida (2)	- Maine
- Delaware (2)	- Illinois	- Minnesota
- District of Columbia	- Maryland	- Montana
- Florida	- Nevada	- Nevada
- Georgia	- New Jersey	- New Jersey
- Idaho	- South Carolina	- New York
- Indiana	- Texas	- Ohio
- Kansas	- West Virginia	- Oklahoma
- Kentucky (2)	- Wisconsin	- Rhode Island
- Maine		- Wyoming
- Maryland		
- Michigan		
- Montana		
- Nevada		
- New Jersey		
- Pennsylvania		
- Rhode Island		
- South Carolina		
- South Dakota		
- Utah		
- Virginia		
- West Virginia		
- Wisconsin		

ODMAP
OVERDOSE DETECTION
MAPPING APPLICATION PROGRAM
Keep your community aware and prepared

STATEWIDE IMPLEMENTATION STRATEGIES
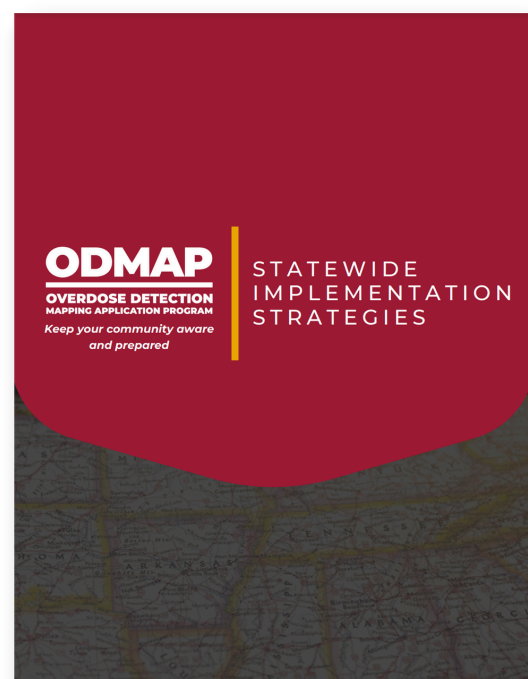
Learn more about statewide strategies through our Statewide Strategies Overview

NEW
FEATURES

The ODMAP team introduced six new features in 2023. These features allow more opportunity for users to report and analyze suspected overdose data directly in ODMAP to support response efforts designed to save lives.

Spike Alert Layer

The Spike Alert Layer offers ODMAP users a visual representation of current and recent overdose spikes across the national map. Each new spike layer is color-coded on the National Map. Users can now distinguish between layers showing current overdose spikes and those reflecting recent occurrences separately on the map.

Current spike areas appear as bright yellow concentrations, while recent spikes are depicted in various colors based on their timeframe. Recent spikes range from 0-3 days ago (displayed as dark orange), 3-5 days ago (in peach shading), to 5-7 days ago (shown in beige shading).
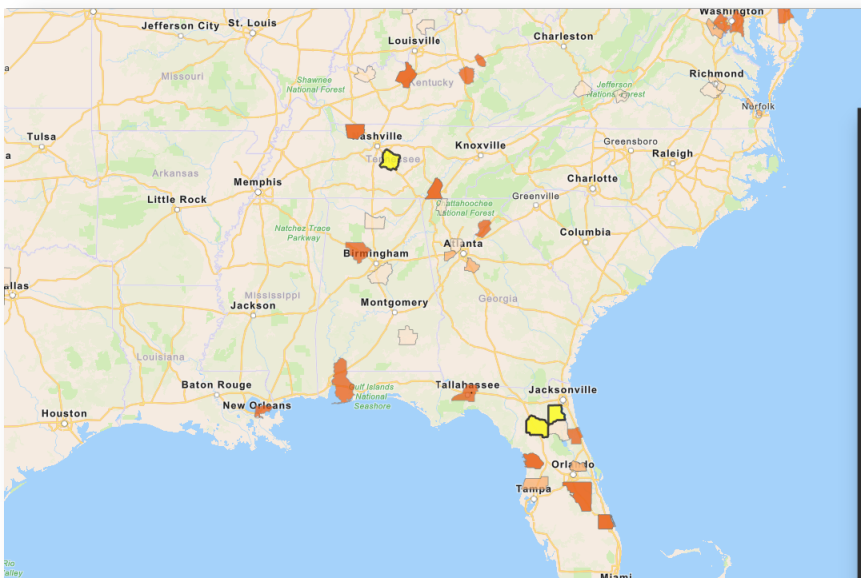
ODMAP SPIKE ALERT EXPLAINER VIDEO
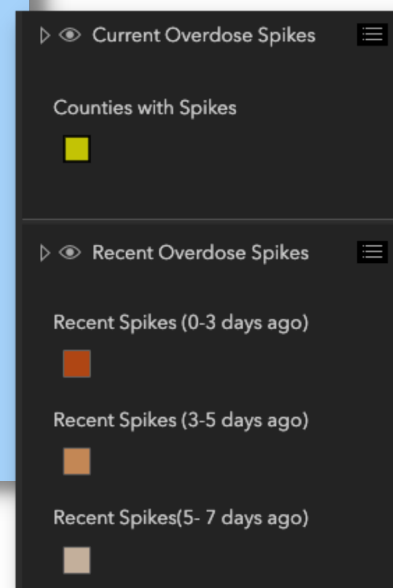
Custom Shape

The Custom Shape feature allows ODMAP users to define a specific area on the national map by drawing perimeters, enabling a focused view of specific regions of interest. Users can create shapes that span across county or state boundaries, allowing exploration of larger or smaller areas within a county or region.
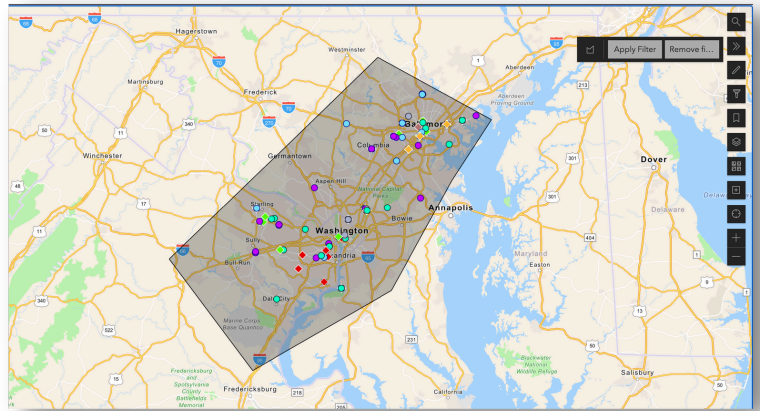
Custom Bookmark

The Custom Bookmark function complements the Custom Shape feature. The Custom Bookmark allows ODMAP users to save their custom shapes as bookmarks, providing easy access for later use. This feature enables users to effortlessly return to their specific areas of interest, preserving the same view.
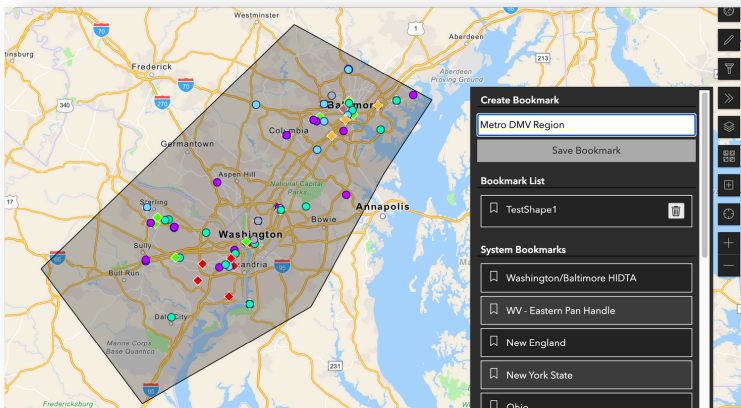
Custom Spike Alert

The Custom Spike Alert feature is intended for users to create spike alerts based on their saved custom bookmarks. Custom Spike Alert consists of adding an email subject, an email body, and adding subscribers. ODMAP will suggest an overdose threshold for the particular area where users create their custom spike alert or they can create their own threshold.
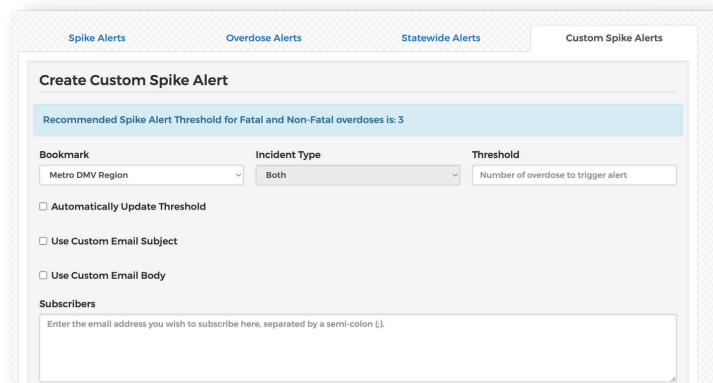
CUSTOM SPIKE, SHAPES, AND ALERTS TUTORIAL

Polysubstance Reporting and Filters

The Polysubstance Feature allows users to filter by primary suspected drug and the newest feature, additional suspected drug. The feature allows ODMAP users the flexibility to filter their data based on multiple drugs involved. Every drug entered in a case will appear in the chart feature.
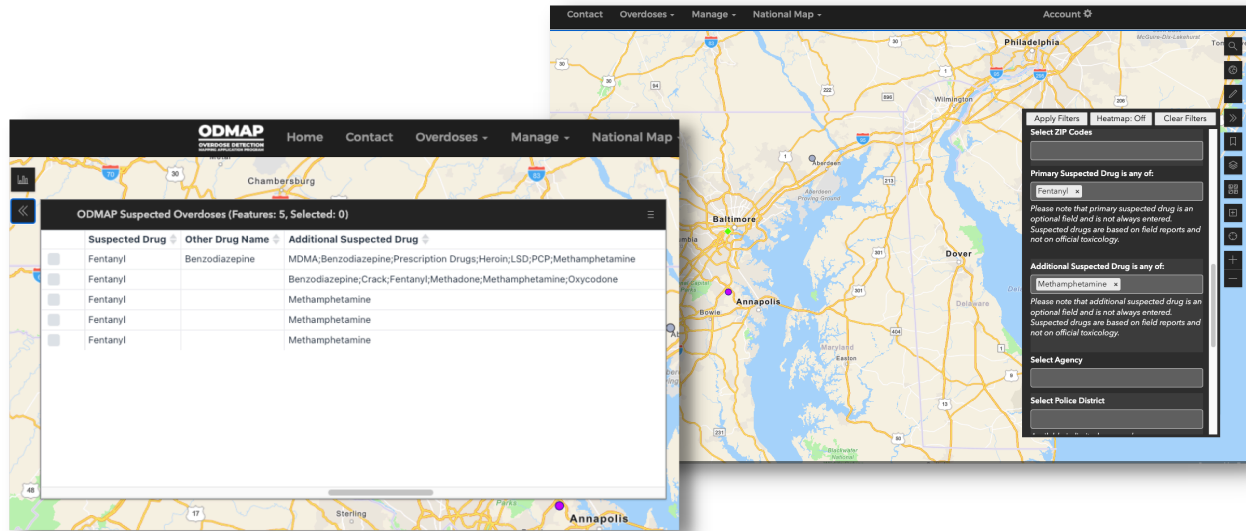
Demographics Layer

ODMAP users now have the option to activate a Demographics Layer. This feature provides key demographic statistics and is accessible for every county nationwide. Upon selecting the Demographic Summary link, key information such as education, income, and employment specifics tailored to the county will be displayed.
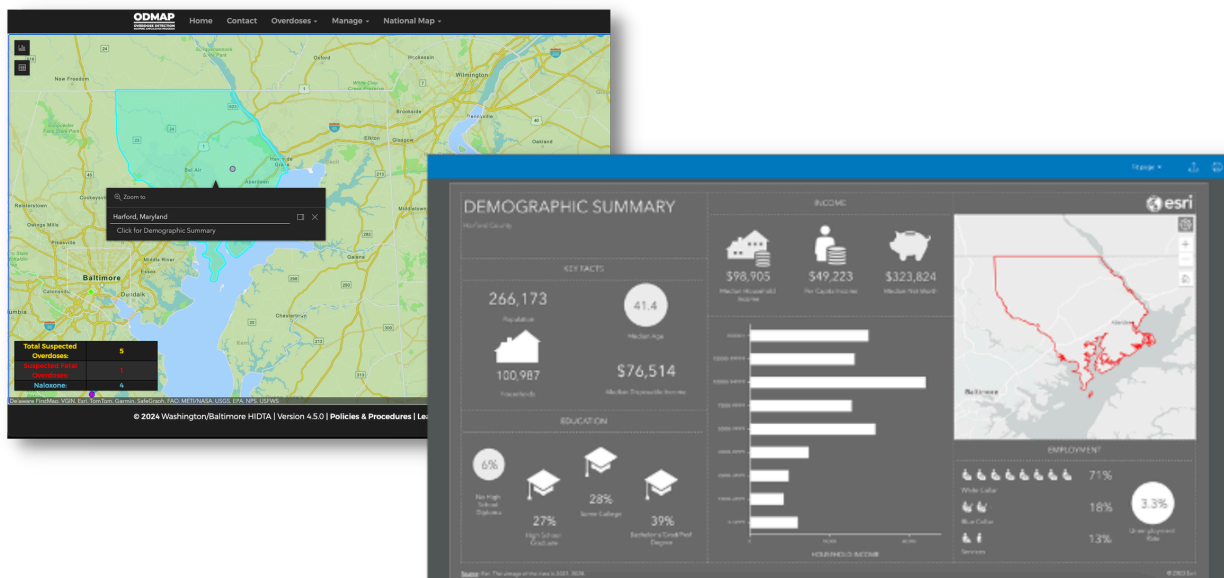
INITIATIVE SPOTLIGHT:
I-81 WORK GROUP
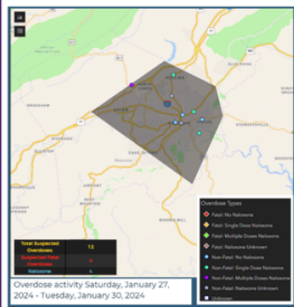
Using ODMAP, local partners in Virginia were able to quickly note an increase in overdoses for Q1 2023 along the I-81 corridor. Further investigation showed that there was an increase in Tennessee and West Virginia counties as well. In March 2023, the first of what is now a standing monthly meeting was hosted, bringing together partners across all three states. At this first meeting, a shared problem was identified; changes in a common, increasingly lethal, illicit drug supply moving along the I-81 corridor. Both xylazine and methamphetamine were found to be contaminated with fentanyl, indicated two emerging trends in the region

From this shared problem came the need for formalized information sharing between partners, resulting in monthly workgroup meetings and regular communications in the form of Spike Alert Bulletins, which are two-page overviews of unusual overdose activity. These regions were added into ODMAP as custom shapes thereby allowing the workgroup to receive spike alerts when suspected overdoses exceed the threshold. Upon the activation of a spike alert the Overdose Response Strategy (ORS) teams fill out the bulletin and share it with the workgroup members. Workgroup members are then able to share the information with their local partners as appropriate and activate strategies to address the increased activity.

PARTNERSHIP
HIGHLIGHT

The Overdose Response Strategy (ORS) is an unprecedented and unique collaboration between public health and public safety, created to help local communities reduce drug overdoses and save lives by sharing timely data, pertinent intelligence and evidence-based and innovative strategies.

The ORS is implemented by teams made up of Drug Intelligence Officers and Public Health Analysts, who work together on drug overdose issues within and across sectors, states, and territories. By sharing information across sectors, the ORS is growing the body of evidence related to early warning signs and prevention strategies. With the information shared, and programs inspired by the ORS, we are helping communities and individuals make healthier, safer choices. As of 2023, there are ORS Public Health Analyst (PHA) and Drug Intelligence Officer (DIO) positions in 50 states, Puerto Rico, the U.S. Virgin Islands, and the District of Columbia.

The mission of the ORS is to help communities reduce fatal and non-fatal drug overdoses by connecting public health and public safety agencies, sharing information, and supporting evidence-based interventions.

As one of the key information sharing strategies within the ORS, ODMAP is an important tool for sharing data systems to inform rapid and effective community overdose prevention and response efforts. While ODMAP is identified as a strategy under ORS Goal 1, ODMAP as a tool can be broadly applied across overdose prevention and response strategies. ODMAP provides opportunity to geographically focus interventions and work creatively, using the information contained within the tool to prioritize resource allocation using evidence-based strategies, as well as innovative and promising strategies at the intersection of public health and public safety and prevention strategies. Within the ORS, an ODMAP Learning Community was launched in 2021 and aims to promote learning about best practices for implementing ODMAP and utilizing ODMAP data, highlight ODMAP-related resources, foster connections among ORS members involved in ODMAP work, and promote learning about best practices for iimplementing ODMAP and utilizing ODMAP data.

2023 ORS ANNUAL REPORT

"SUCH A WIDESPREAD AND LETHAL PROBLEM REQUIRES LAW ENFORCEMENT TO USE EVERY RESOURCE AT OUR DISPOSAL. THE OVERDOSE DETECTION MAPPING APPLICATION PROGRAM (ODMAP) DATABASE IS A TREMENDOUS TOOL IN THE UNITED STATES AND SHOULD BE ADOPTED GLOBALLY. ODMAP PROVIDES NEAR REAL-TIME SUSPECTED OVERDOSE DATA ACROSS JURISDICTIONS TO SUPPORT PUBLIC SAFETY AND PUBLIC HEALTH EFFORTS TO MOBILIZE AN IMMEDIATE RESPONSE TO A SUDDEN INCREASE, OR SPIKE, IN OVERDOSE EVENTS. ODMAP ALLOWS FIRST RESPONDERS TO MAP OUT AND TRACK OVERDOSES IN ORDER TO ENHANCE RESPONSE AND PROVIDE STRATEGIC ANALYSIS ACROSS JURISDICTIONS. IF YOUR AGENCY ISN'T ALREADY PARTICIPATING IN AND UTILIZING ODMAP, I HIGHLY ENCOURAGE YOU TO DO SO."

WADE CARPENTER
CHIEF OF POLICE
PARK CITY POLICE, UTAH
SOURCE: INTERNATIONAL ASSOCIATION OF CHIEFS OF POLICE CHIEF MAGAZINE,
JANUARY 2024

PREDICTIVE
ANALYTICS

The Washington/Baltimore High Intensity Drug Trafficking Area (W/B HIDTA) Executive Director, Jeff Beeson, was invited to speak on the emerging use of predictive analytics panel at the Rx Summit. During the panel, he spoke of the positive impact predictive analytics and trend forecasting in overdose reduction and response can have on communities in reducing overdose risk.

Predictive Analytics Exploration

Over the past seven years, ODMAP has worked to continue to improve the platform and enhance data analysis features, helping communities to better understand the scope of their overdoses in real time. One example of additional analytic features is the expansion of ODMAP to include a forecasting and predictive tool. The ability to potentially forecast overdose numbers, or analyze patterns, would support efforts to address potential emerging threats and overdose rates.

The ODMAP team is partnering 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 excited to explore the ODMAP system and learn how the data can be used to transition ODMAP from a reactionary platform into one that enables partnering agencies to be better informed and more prepared for overdose events within their jurisdictions.

More information about this program will be shared throughout 2024.
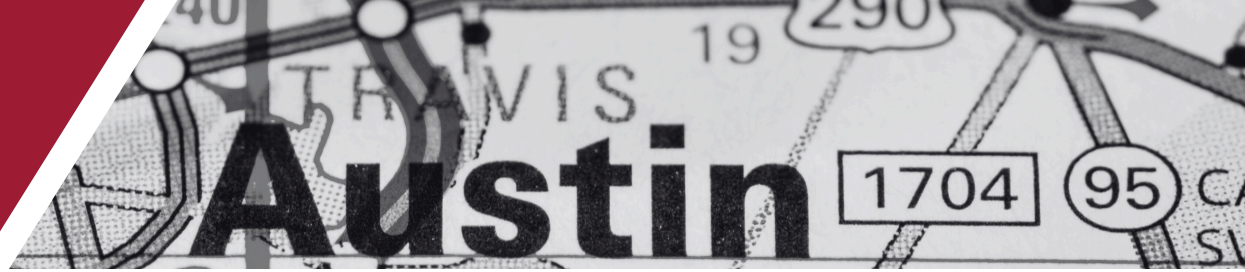
"THE INFORMATION THAT WE CAN GARNER FROM THIS PLATFORM WHEN WE SHARE ALL THIS INFORMATION ACROSS THE ENTIRE STATE [TEXAS] IS IMMENSE. WE CAN MAKE DECISIONS ON THE TYPES OF UNITS THAT ARE GOING AND RESPONDING TO THESE CALLS, THE KIND OF SOCIAL SERVICES THAT WOULD BE BEST SERVED TO THE COMMUNITY, AND IDENTIFY THESE TRENDS AS THEY ARE EMERGING IN OTHER PARTS WHERE WE DIDN'T HAVE OVERDOSES BEFORE."

CHIEF ROBERT ABBOTT
LAKE TRAVIS FIRE RESCUE

CHIEF ABBOTT'S CALL TO ACTION TESTIMONIAL

VIDEOS AND
SOCIAL MEDIA

▶ Explainer Videos

In 2023, ODMAP partnered with Gauge Media to develop a series of explainer videos. The series includes:

- ODMAP Overview
- Becoming an Agency
- Entering Data
- Data Sharing
- APIs
- Spike Alert

Video scripts were translated into Spanish by Jose Rodriguez, Drug Intelligence Officer - Puerto Rico with the Overdose Response Strategy.
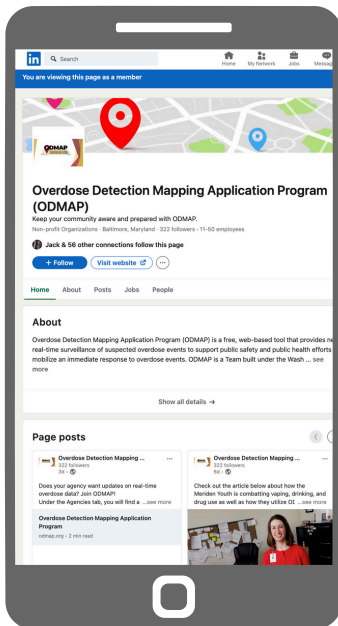
in LinkedIn

In 2023, ODMAP launched its LinkedIn page to directly connect with our community. On our page you will find information on new Spotlight Series, links to resources, and shared posts from stakeholders and ODMAP users.

You can also find us on Facebook, our website, and the W/B HIDTA website.

SPOTLIGHT
SERIES

In July 2023, the ODMAP team re-launched our Spotlight Series and sent out a call for stories to all of our users. 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. During the initial outreach, the team received 78 responses from agencies representing multiple sectors across the country. The ODMAP team selected eight initiatives and developed a one-pager in partnership with the agency.

The Spotlight Series can be found on the ODMAP website and LinkedIn Page. New Spotlight Series will be released throughout 2024.

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

"ODMAP'S REAL-TIME DATA AND OD SPIKE ALERT CAPABILITIES HAVE TRULY CHANGED THE LANDSCAPE OF HARM REDUCTION AND OVERDOSE RESPONSE IN OUR AREA. THE DATA HAS INFORMED EVERYTHING FROM OUTREACH LOCATIONS TO WHEN TO SCHEDULE STAFF AND EXPAND NEW POSITIONS. THE SPIKE ALERTS WERE A CATALYST TO MOBILIZE ORGANIZATIONS ACROSS SECTORS TO RESPOND TO INCREASING RISK IN OVERDOSE. WE SAW PARTNERSHIP, COLLABORATION AND INNOVATION IN RESPONSE TO THIS PROGRAM AND THIS CONTINUES TO BE A POWERFUL WORKING GROUP IN OUR AREA. WITH A SMALL-SCALE EVALUATION, WE WERE ABLE TO SEE THAT THIS INFORMATION WAS IMPACTFUL AT ALL LEVELS: PEOPLE WHO USE DRUGS, PEER RECOVERY SPECIALISTS/OUTREACH STAFF, AND LEADERSHIP ACROSS THE ORGANIZATIONS."

ALEX WATKINS
VIRGINIA HARM REDUCTION COALITION

COMING UP
NEXT

FHIR Compliant API

ODMAP will be releasing a Health Language 7 Fast Healthcare Interoperability Resources compliant (HL7 FHIR) API in early 2024. This was developed through a grant with the CDC Foundation's MDI Connect, the Greenville County Coroners Office (SC), and MDILog. If your agency is interested in setting up a FHIR compliant API, please reach out to odmap@wb.hidta.org.

Naloxone Layer

In 2022, the Office of National Drug Control Policy (ONDCP) awarded funding to the W/B HIDTA to create a naloxone map to help communities understand naloxone availability. ODMAP worked with several pilot sites throughout 2023 to develop a naloxone saturation calculation and a pilot layer. The layer was released in Spring 2024 and will be expanding to include other jurisdictions throughout the year.

School Alerts

The ODMAP team is working on a new feature that will assess the impact of overdoses near schools. This feature will help schools and staff be aware of and prepared for overdose events occurring within a designated area around schools.

Additional Layers and Features

ODMAP is constantly looking for new opportunities to develop new features and layers for users. Moving into 2024, we are looking forward to developing new layers and features based on the needs of our users or to better address emerging threats.

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REAL-TIME DATA

PRODUCING LONG-TERM SOLUTIONS

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