



# Utilizing Data to Develop Innovative Data-Driven Strategies to Address the Opioid Epidemic

September 24, 2020



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## TASC's Center for Health and Justice

COSSAP TTA Provider for  
First Responder Led Diversion Initiatives



Website: <http://www.centerforhealthandjustice.org/>



# Overview of ODMAP

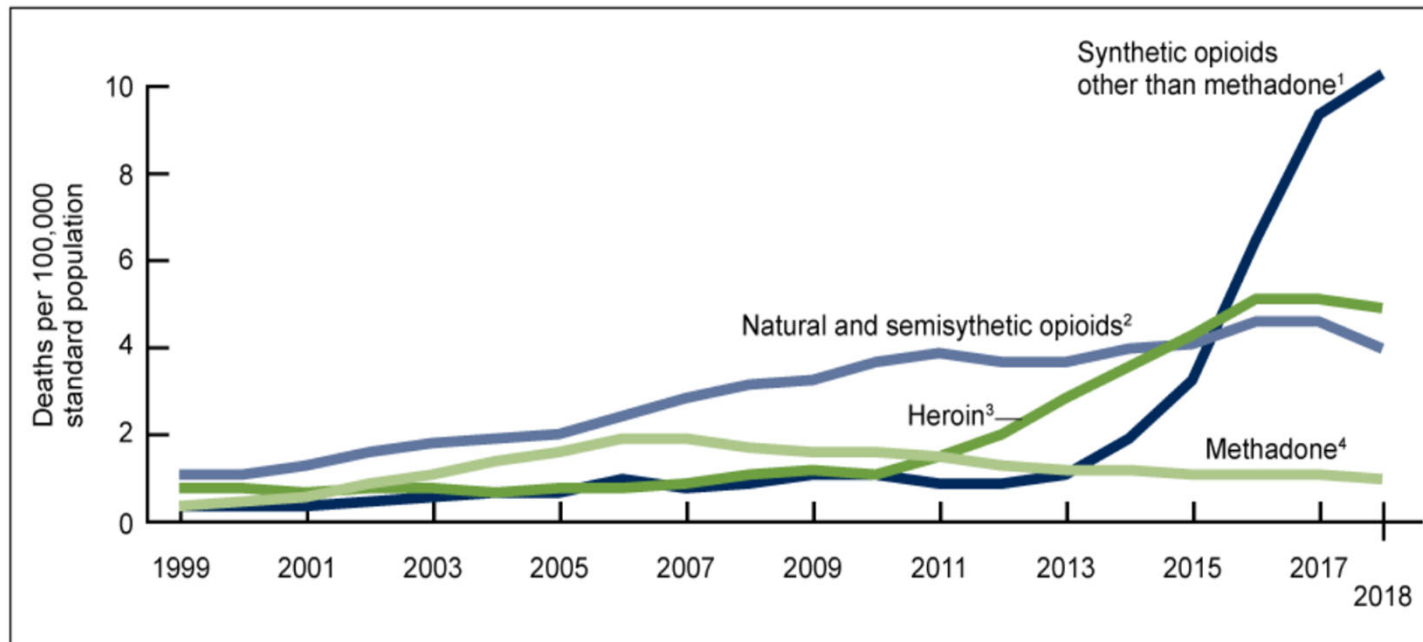
Mitch Cunningham



**ODMAP**  
OVERDOSE DETECTION  
MAPPING APPLICATION PROGRAM

# The Severity of the Problem

Figure 3. Age-adjusted drug overdose death rates involving opioids, by type of opioid: United States, 1999–2018



Source: Hedegaard H, Miniño AM, Warner M. Drug overdose deaths in the United States, 1999–2018. NCHS Data Brief, no 356. Hyattsville, MD: National Center for Health Statistics. 2020.

## Problems ODMAP Addresses:

- Supports real time data
- **Non-fatal** reporting
- Encourages information sharing across disciplines
- Equitable - Free
- Promotes information sharing across common jurisdictional boundaries

# How It Works

- Web-based application, easy for officers, deputies, and analysts to use
- Includes a dashboard for police administrators/managers to quickly know what is happening
- Allows for data sharing with allied agencies, public health, and other partners

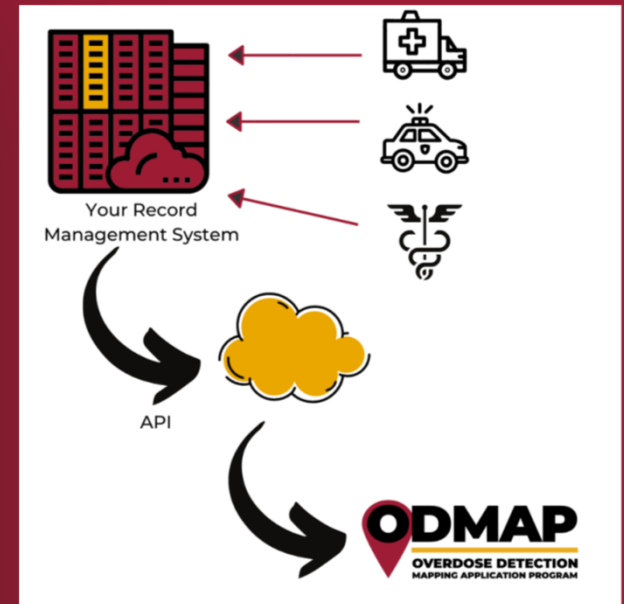


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# Data Entry

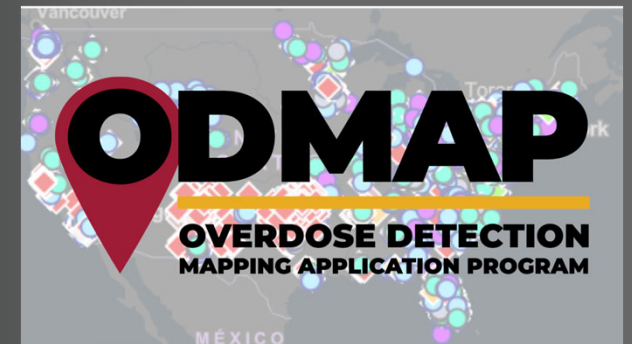
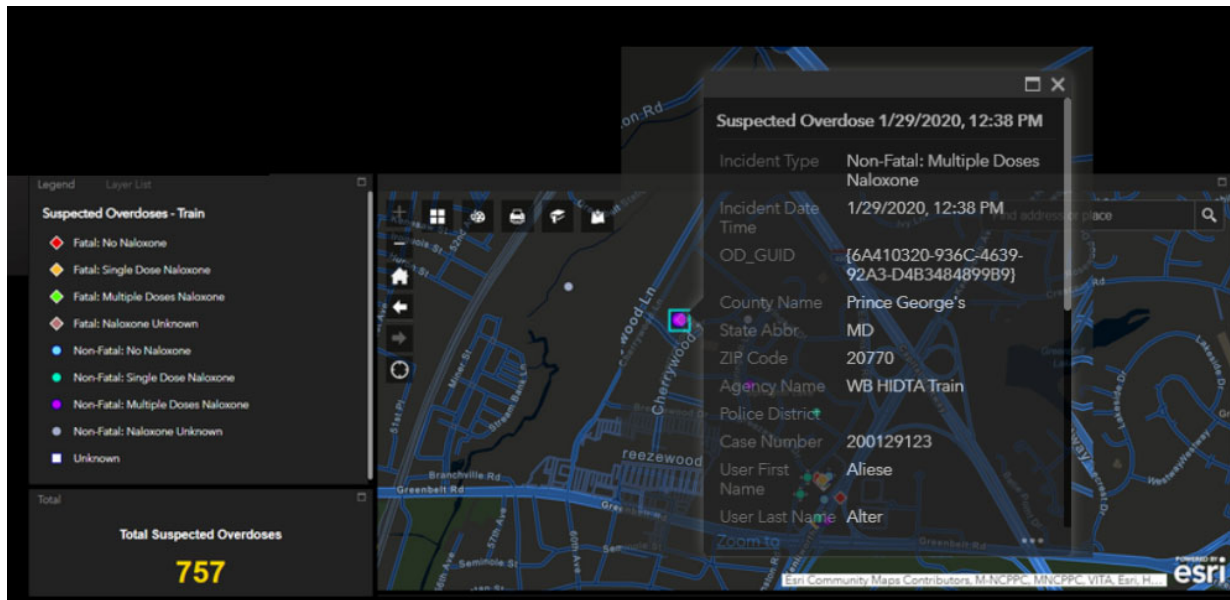
- Collect as much data as you need

ENTER LOCATION			
<input type="radio"/> Use My Devices Location			
<input type="radio"/> Use An Address			
Address (include State, City & Zipcode)			
Ex: 123 Anyroad, Anyplace, CA 12345			
<input type="radio"/> Use Coordinates			
Latitude		Longitude	
Ex: 35.048230		Ex: 176.0985405	
CASE INFORMATION			
Case Number	Age	Gender	Primary Suspected Drug
<input type="text"/>	<input type="text"/>	Select	Select
Victim Was Taken to the Hospital		Additional Suspected Drug	
Select		Alcohol Benzodiazepine Cocaine Crack Fentanyl	
Part of Multiple Overdose Victim Incident			
Select			
Motor Vehicle Involved			
Select			
Naloxone Administered By			
Select			
NON-FATAL OVERDOSES			
Naloxone Administration Unknown		Naloxone Not Administered	
Single Dose (2mg IN or 0.4mg IV) Naloxone Administered		Multiple Doses (>2mg IN or >0.4mg IV) Naloxone Administered	
FATAL OVERDOSES			
Naloxone Administration Unknown		Naloxone Not Administered	
Single Dose (2mg IN or 0.4mg IV) Naloxone Administered		Multiple Doses (>2mg IN or >0.4mg IV) Naloxone Administered	



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# National Map



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# Spike Alerts

Take Control of **Your** Data

## During a Spike:

- Confirm ODMAP spike alert with additional syndromic surveillance systems
- Assess the threat
- Implement local Overdose Spike

**From:** [odmap@wb.hidta.org](mailto:odmap@wb.hidta.org) [mailto:odmap@wb.hidta.org]  
**Sent:** Friday, August , 2020 11:54 PM  
**To:**

**Subject:** New Hanover, North Carolina Spike Alert

New Hanover, North Carolina is in a spike. There have been 3 total overdose incidents in the last 24 hours.

Currently your spike alert threshold is 3 overdose incidents in 24 hours.

This spike alert was requested by the Wilmington Police Department.

E-mail correspondence to and from this address is subject to the North Carolina Public Records Law and may be disclosed to third parties.

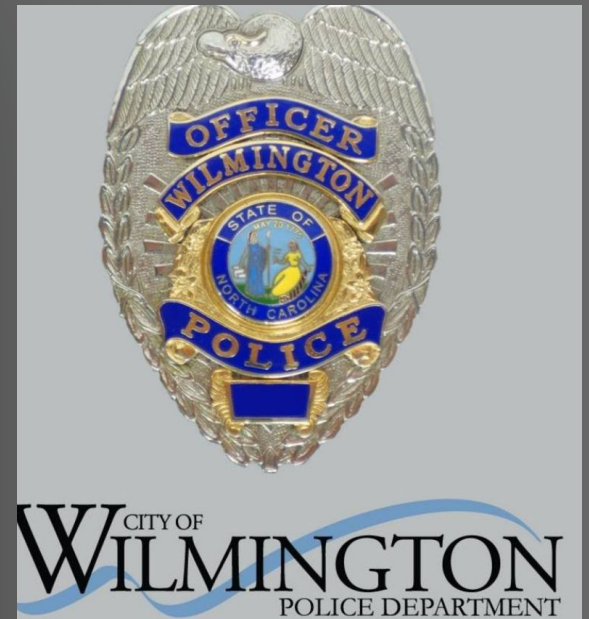
## Response Plan:

- Coordinate among local stakeholders
- If appropriate (i.e. Health Department's responsibility and spike is verified), issue PSA

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# Case Study: Wilmington, North Carolina, Police Department

- Naloxone
  - 2nd jurisdiction in the state to acquire
- Currently over 200 lives saved since March 2016
- LEAD program
  - Pre-arrest diversion program
- Quick Response Team
  - Post overdose response strategy
- Partnership with the North Carolina Harm Reduction Coalition



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# LEAD Program

- Pre-arrest diversion program based on the national model
- Arrests vs. Social Referrals
- Uses ODMAP to identify areas to engage in outreach
- Expanding LEAD training, during CIT annual refresher courses
- A partnership with the district attorney's office, nonprofits, the mental health community, state and local public health, and others



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# Changes in NC Since the Epidemic Began

- Good Samaritan law
- Needle exchange
- STOP Act:
  - Restricts the number of dosage units that can be prescribed
  - Requires mandatory entry of prescriptions into state database
- Increased presence of drop boxes
- HOPE Act – prescription database accessible to “certified” law enforcement officials



# Quick Response Team

- Started June 2018
- Provides addiction services outreach within 3 days
- 83% success rate of clients going into treatment
- Uses ODMAP to identify areas to engage in outreach



## ODMAP Implementation

- Attended January 2018 ODMAP presentation by DEA and HIDTA for NC Coast Law Enforcement, Fire and EMS agencies
- Signed agreement in March 2018 and began using ODMAP in April 2018
- WPD analysts handle ODMAP administration, develop products to use ODMAP effectively



# ODMAP: History, Reach, Best Practices, and Analytics

Jeff Beeson and Aliese Alter

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**B** UNIVERSITY OF  
1926 **BALTIMORE**  
Center for Drug Policy and Enforcement

Washington/Baltimore  
**HIDTA**  
HIGH INTENSITY DRUG TRAFFICKING AREA



ODMAP provides near real-time suspected overdose surveillance data across jurisdictions to support public safety and public health efforts

### JAN 2017

A **pilot** begins in areas of West Virginia and Maryland

### APRIL 2017

ODMAP becomes **available nationally**

 <20 SIGNED AGREEMENTS

### JUNE 2017

**Florida** ODMAP legislation enacted

### JULY 2017

ODFORM feature added

### JAN 2018

**First API transmissions** from Philadelphia Police Department and Suffolk, NY

### APRIL 2018

**Maryland** ODMAP legislation enacted

### JULY 2018

**Maryland** is the first state to complete **statewide EMS API** transmission

### OCT 2018

**Oklahoma** AG and OBN announce **statewide** efforts

 626 SIGNED AGREEMENTS

### FEB 2019

**New Jersey** initiates **statewide** efforts of ODMAP & ODFORM

### MARCH 2019

**Maine** initiates **statewide** ODMAP efforts  
**West Virginia** ODMAP legislation enacted.

### JUNE 2019

**Nevada** and **Connecticut** initiate **statewide** efforts  
**BJA** funds ODMAP.

 1,995 SIGNED AGREEMENTS

### AUGUST 2019

**Illinois** ODMAP legislation enacted

### SEPT 2019

**8 states** (CT, FL, GA, MN, NJ, NV, OH, RI) selected for **BJA & CDC ODMAP Statewide Expansion and Response Grant** Initiative

### SEPT 2020

 more than **3,300** signed agreements  
nearly **30,000** users  
more than **340,000** suspected ODs  
more than **60 agencies** utilizing the API



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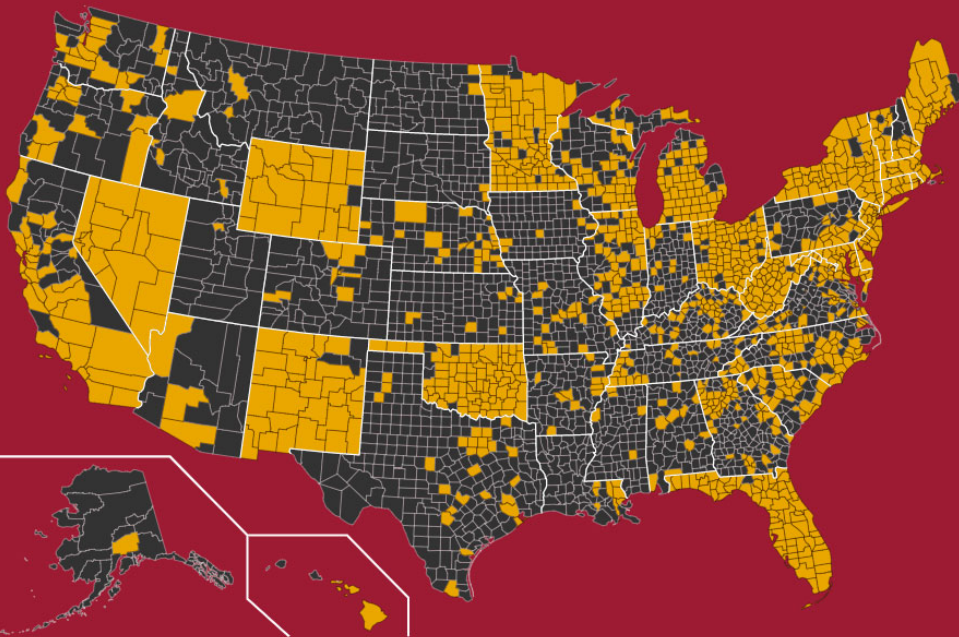


# ODMAP Nationally

## PARTICIPATING AGENCIES

Legend

● Has No Participating Agencies      ● Has Participating Agencies



- Number of participating states: 49, DC, and Puerto Rico
- Number of participating agencies: over 3,300
- Number of ODMAP users: nearly 30,000
- Number of states with statewide implementation: ≈15
- Number of suspected overdoses entered: over 340,000



ODMAP  
Nationally:

Statewide  
Implementation

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# ODMAP in Action

**Best Practices and Case Studies**

## Case Study: Erie, New York

Partnership between Erie County Public Health Department and Cheektowaga Police Department:

- Began using ODMAP in August 2017
- Once CPD responds to an overdose, the responding officer leaves



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# Case Study: Erie, New York

Erie County Health Department reviews ODMAP daily for new submissions



- Health Department assigns a peer support specialist to each OD
- Peer support specialist:
  - provides subject with treatment options if interested
  - trains family/friends on naloxone administration
  - provides naloxone

# Case Study: Saint Paul Police Department (SPPD)



- Automated data entry through an API
- Utilizes ODMAP data to:
  - Track overdose data and share drug trends within the SPPD and with community partners
  - Notify community stakeholders and the public of spikes in overdoses
  - Conduct outreach and follow-up with individuals who have recently overdosed

# Case Study: SPPD

## LEVEL 1

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- Notification to the SPPD with screenshot from ODMAP to discuss at roll call and reminder to carry naloxone.
- Outreach to overdose victims conducted by COAST Unit officers and the embedded social workers.
- Distribute naloxone to overdose victims, their families, and to members of the community, where applicable.
- Dissemination of “Overdose Spike Alert Notification” brochures.

## LEVEL 2

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- All Level 1 activities with additional targeted outreach, as warranted, to community partners such as shelters and hospitals.

## LEVEL 3

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- All Level 1 and 2 activities and notification to the media through the SPPD's Public Information Officer.

The SPPD is also reminding people about Minnesota's “Good Samaritan Law,” which protects people from being charged or prosecuted if they act in good faith while seeking medical assistance for another person experiencing a drug-related overdose.

SPPD officers will be visiting areas of the city where heroin use is common, informing people about overdose risks and offering information about chemical dependency resources.

# Case Study: Overdose Response Team

## ONEIDA COUNTY OVERDOSE RESPONSE TEAM ISSUES OVERDOSE SPIKE ALERT

Posted: April 7, 2020



### 20 Overdose Reports, Two Fatalities in Last 14 Days

The Oneida County Overdose Response Team has identified a spike in overdoses using the Overdose Detection Mapping Application Program (ODMAP).

In the last 14 days, there have been 20 overdose reports and two fatalities, primarily associated with heroin. Two of the overdoses involved synthetic marijuana and cocaine, indicating that some may be unknowingly using a harmful synthetic opioid that could increase the use of a fatal overdose.

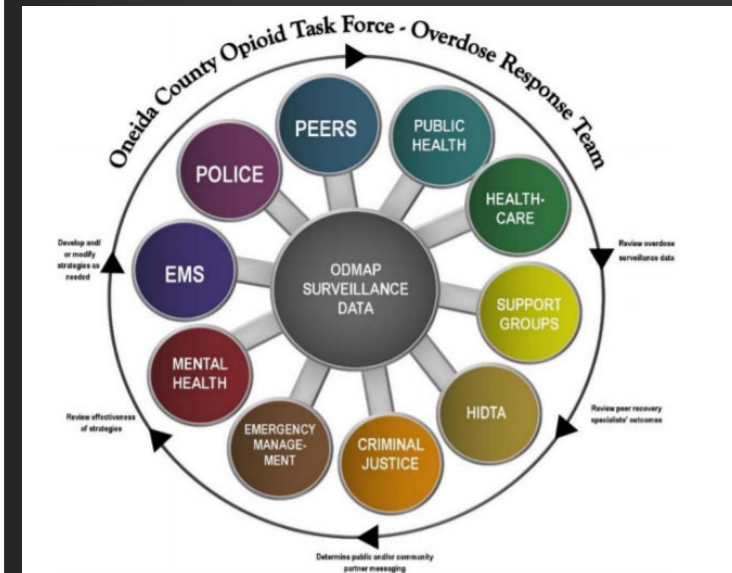
"The extraordinary times we're facing due to COVID-19 can create anxieties and concerns that make us all more vulnerable, and may be especially true for people with substance use disorder," said Oneida County Executive Anthony J. Picente Jr. "We need to be vigilant in practicing social distancing while at the same time doing everything possible to prevent further loss of life due to overdose by ensuring that people have access to life-saving Narcan and medication assisted treatment."

In light of COVID-19, the county has heightened efforts to monitor overdose trends and is proactively coordinating with members of the Oneida County Opioid Task Force to assess need for and expand access to Narcan in the community. Inventive and alternative methods for distributing Narcan that are compliant with social distancing are currently being explored with essential service providers.

Researchers warn that COVID-19 could hit some populations with substance use disorders particularly hard because COVID-19 attacks the lungs, making it an especially serious threat to those who smoke tobacco or marijuana or vape and people with opioid use disorder due to the effects of those drugs on a person's respiratory and pulmonary health.

The Overdose Response Team is encouraging people who use drugs to engage with harm reduction services for equipment, naloxone and referrals to treatment, recovery and other needs. Protect yourself from COVID-19 by washing hands frequently, limit the number of people you have contact with and avoid sharing and reusing equipment. Harm reduction services such as the ACR Health Syringe Exchange Program and other Narcan distribution programs are designated as essential services that will continue during the COVID-19 pandemic.

"The Oneida County Overdose Response Team has identified a spike in overdoses using the Overdose Detection Mapping Application Program (ODMAP)."

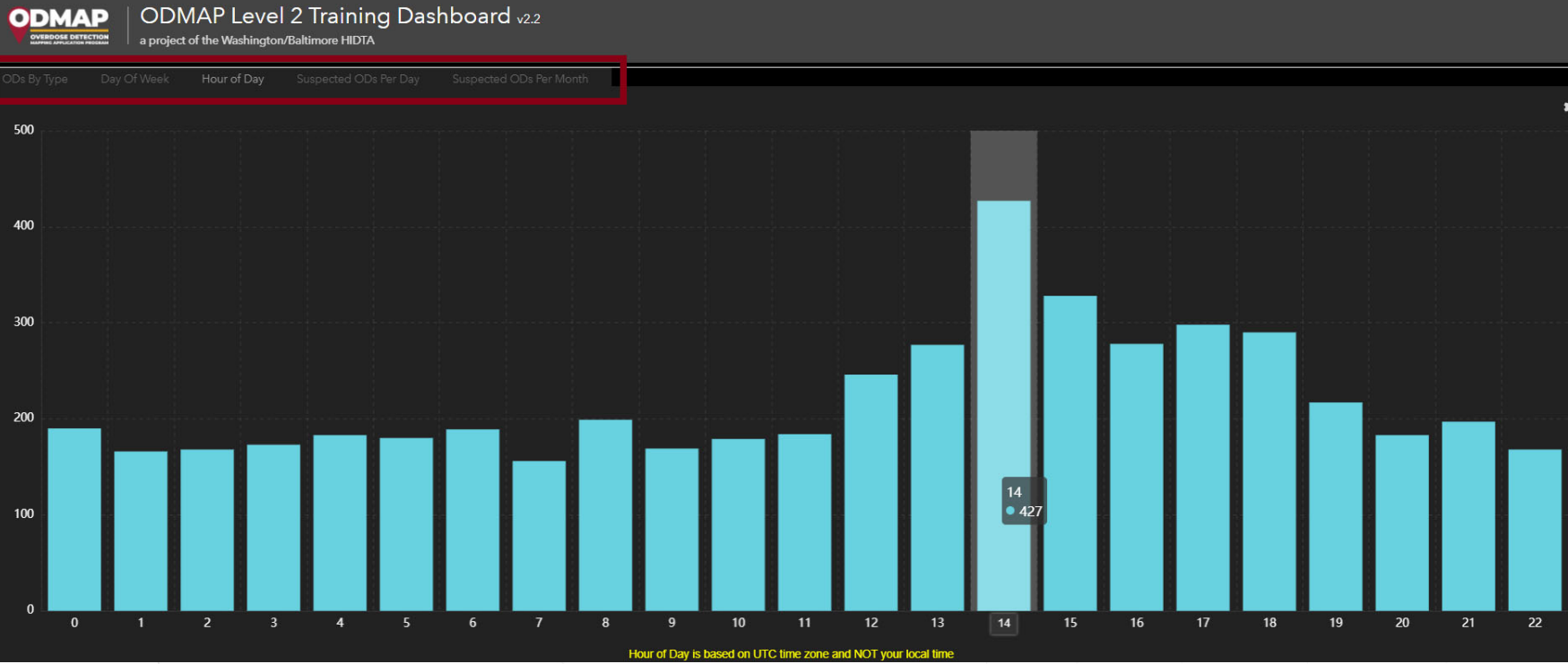


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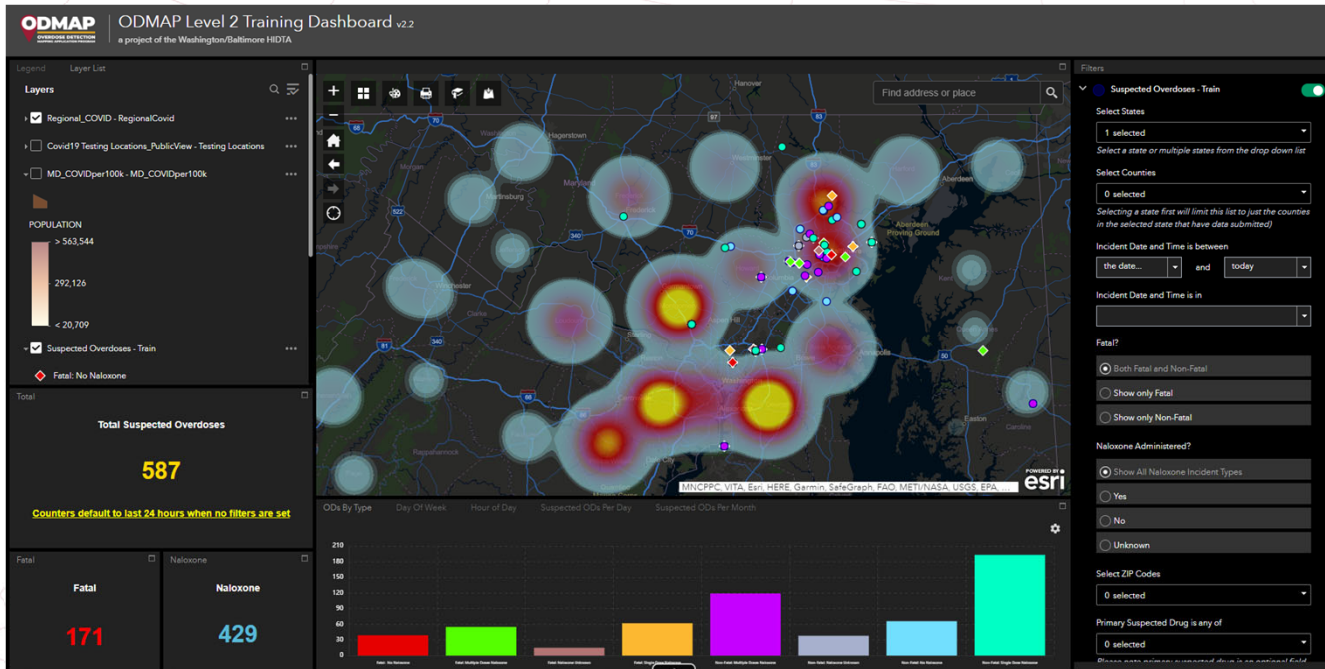
Source: <https://ocgov.net/content/oneida-county-overdose-response-team-issues-overdose-spike-alert-1>



# Analytical Tools



# National Map: Overlays



**YouTube Series:**  
Furthering your COVID-19 & ODMAP Analysis

**ODMAP** Washington/Baltimore HIDTA  
63 subscribers



**COVID-19 & ODMAP. Multiple Layer Analysis: U...**  
This video demonstrates the ability to overlay datasets available through Esri's ArcGIS online op...



**COVID-19 & ODMAP: Multiple Layer Analysis**  
This video demonstrates the ability to overlay datasets available through Esri's ArcGIS online op...



**ODMAP & COVID-19 Data Layers**  
This video demonstrates the ability to overlay datasets available through Esri's ArcGIS online op...

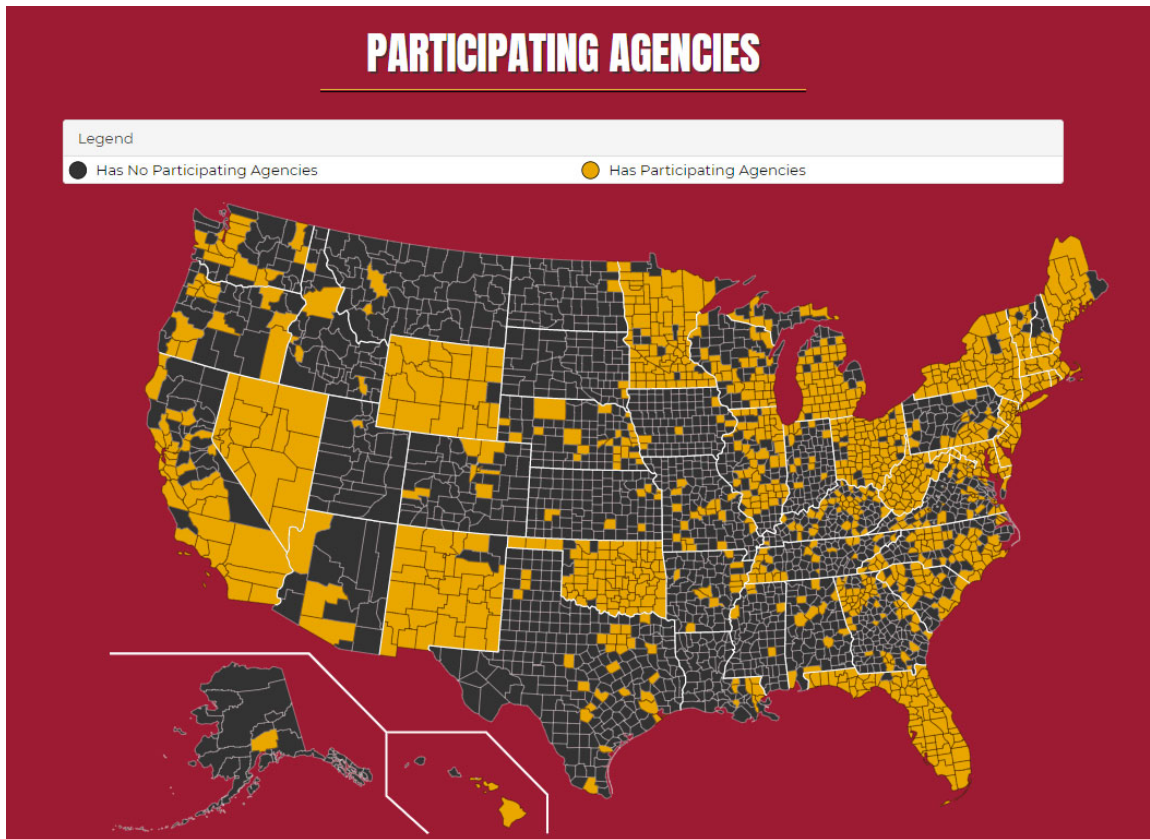


## What's Next?

- New releases anticipated:
  - Late 2020
    - Enhanced user experience
      - One seamless application
    - New analytical functionality
      - Heat Map
      - Multi-county/state charting
  - Early 2021
    - Anomalous cluster detection



# Need Help?



On-Demand Training: [www.odmap.org](http://www.odmap.org)

### GENERAL INFORMATION

ODMAP Policies and Procedures	<a href="#">PDF File</a>	Frequently Asked Questions	<a href="#">PDF File</a>
Training Manual	<a href="#">PDF File</a>	ODFORM Tutorial	<a href="#">PDF File</a>
ODMAP YouTube Channel	<a href="#">YouTube</a>	Access & Assistance	<a href="#">YouTube</a>
Model Overdose Mapping and Response Act	<a href="#">PDF File</a>	ODMAP and Protected Health Information Under HIPAA: Guidance Document	<a href="#">PDF File</a>
ODMAP Fact Sheet	<a href="#">PDF File</a>		

### TRAINING MATERIALS

Agency Administrator Training	<a href="#">PPT File</a>	Tutorial - Law Enforcement Users	<a href="#">PPT File</a>
Online Training/Tutorial	<a href="#">YouTube</a>	Roll Call	<a href="#">PPT File</a>
Managing Spike Alerts	<a href="#">YouTube</a>	National Map Online Training/Tutorial	<a href="#">YouTube</a>
Tutorial - Using the National Map	<a href="#">PPT File</a>		

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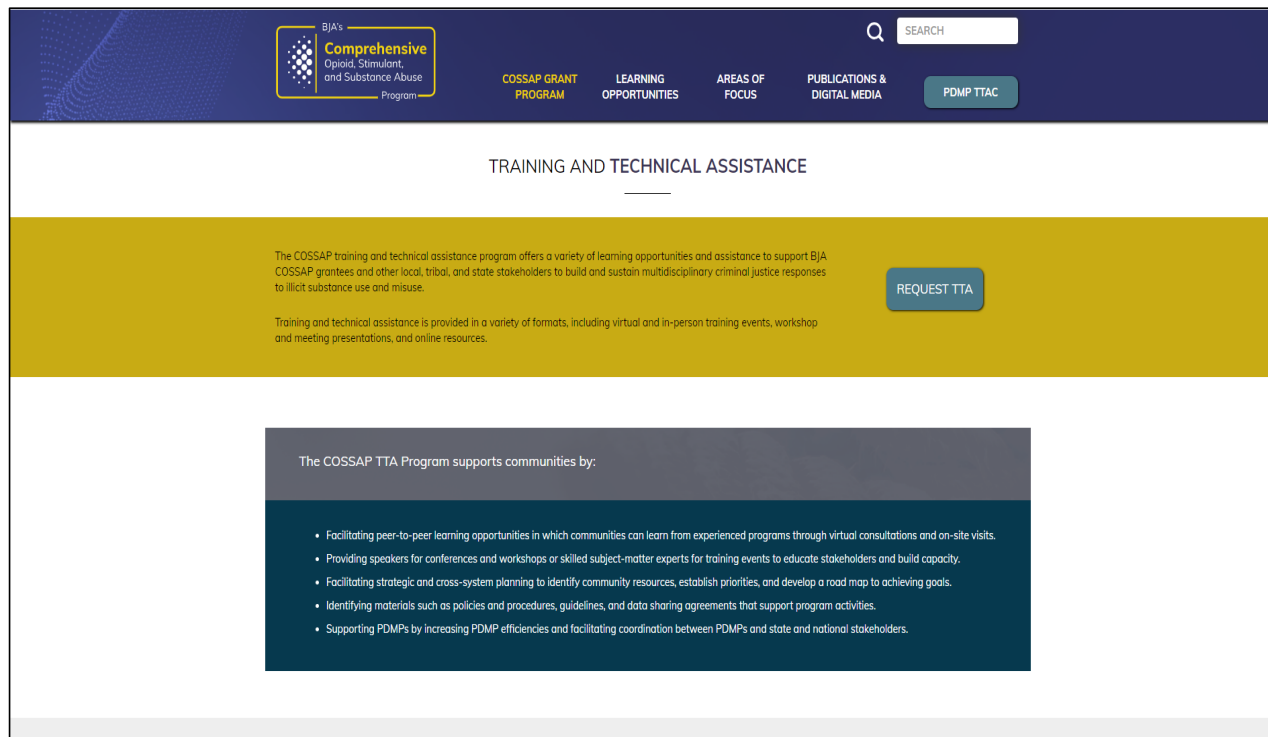


**Aliese Alter**

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[www.odmap.org](http://www.odmap.org)

<https://cossapresources.org/Program/TTA>



The screenshot shows the website for the COSSAP Training and Technical Assistance (TTA) Program. The header features the BJA's Comprehensive Opioid, Stimulant, and Substance Abuse Program logo on the left, a search bar, and navigation links for COSSAP GRANT PROGRAM, LEARNING OPPORTUNITIES, AREAS OF FOCUS, PUBLICATIONS & DIGITAL MEDIA, and PDMP TTAC. The main content area is titled "TRAINING AND TECHNICAL ASSISTANCE" and includes a description of the program's purpose, a "REQUEST TTA" button, and a list of supported activities.

**BJA's Comprehensive Opioid, Stimulant, and Substance Abuse Program**

COSSAP GRANT PROGRAM   LEARNING OPPORTUNITIES   AREAS OF FOCUS   PUBLICATIONS & DIGITAL MEDIA   PDMP TTAC

## TRAINING AND TECHNICAL ASSISTANCE

The COSSAP training and technical assistance program offers a variety of learning opportunities and assistance to support BJA COSSAP grantees and other local, tribal, and state stakeholders to build and sustain multidisciplinary criminal justice responses to illicit substance use and misuse.

Training and technical assistance is provided in a variety of formats, including virtual and in-person training events, workshop and meeting presentations, and online resources.

[REQUEST TTA](#)

The COSSAP TTA Program supports communities by:

- Facilitating peer-to-peer learning opportunities in which communities can learn from experienced programs through virtual consultations and on-site visits.
- Providing speakers for conferences and workshops or skilled subject-matter experts for training events to educate stakeholders and build capacity.
- Facilitating strategic and cross-system planning to identify community resources, establish priorities, and develop a road map to achieving goals.
- Identifying materials such as policies and procedures, guidelines, and data sharing agreements that support program activities.
- Supporting PDMPs by increasing PDMP efficiencies and facilitating coordination between PDMPs and state and national stakeholders.