Overdose Detection Mapping Application Program (ODMAP)
ODMAP

- **Real-time overdose surveillance system** that supports public safety and public health efforts to mobilize immediate responses to overdose spikes.
- Allows first responders (LE, Fire, EMS) to track known or suspected overdoses as they occur using a mobile application.
  - Can be used tactically in the field on any mobile device or operationally at an office data terminal, or data can be added later from any computer.
- Shows overdose activity across multiple jurisdictions.
- Partnering agencies sign a teaming agreement and have the ability to upload data and view the map in real time.
- Provided **free-of-charge** to first responders and government agencies; general public **does not** have access to the system.
GEORGIA’S SYNDROMIC SURVEILLANCE SYSTEM

- Monitored by the Georgia Department of Public Health (GDPH)
- Used as an early detection method for potential outbreaks, by tracking drug overdose-related emergency department (ED) visits based on the patient’s chief complaint upon admission and/or discharge diagnosis.
- Data is inexact, so actual case counts may be higher or lower.
- Takes about 2-3 days for cases to be complete.
ODMAP IMPLEMENTATION

- **Pilot Phase:**
  - Initiated within three counties in the Washington/Baltimore HIDTA Region from January 18th through March 1, 2017.
  - 1 Police Department, 1 centralized Task Force Operation, and 2 Fire/EMT agencies.
  - 300 overdoses and 2 OD spikes.

- **As of June 11, 2018:**
  - Over 250 counties within 37 states are actively entering data and some agencies are receiving weekly reports and spike alerts.
  - Over 31,000 overdose incidents have been reported, with multiple spike alerts issued.
  - Over 400 teaming agreements signed and hundreds of individuals interfacing with the system representing federal, state, and local public safety, health, and policy groups.
Progress in GA:
- Counties: Jackson, Fayette, Cherokee, Forsyth, White, Fulton
- Cities: Brookhaven, Doraville, Peachtree City, Dunwoody, LaGrange, Decatur, Savannah, Johns Creek, Roswell
- Georgia’s Statewide Strategic Plan
HOW IT WORKS

Data Intake Interface – Level I User

- Data is entered into the system by a **Level I** user, defined as an officer or fire/EMS provider on scene or reported to a central location to be entered into the system.
- Information is submitted to a central database and mapped to a location.
- User identifies whether or not the incident is:
  - fatal or non-fatal
  - whether or not naloxone was administered single or multiple dose
  - a simple one-click system
- Entering case information, i.e. case number is optional.
**ODMAP Interface – Level II User**

- **Level II** users, law enforcement or public safety officials and analysts, are issued a login credential to access the central database and map, which captures the approximate locations of reported overdoses.

- There are several filtering tools for analytical purposes:
  - State/County
  - Incident Date (i.e. last 7 days)
  - Fatality of OD incident (Y/N)
  - Naloxone administration (Y/N)
ODMAP WITH FILTER FROM 12-31-16 TO 6-11-18
SPIKE ALERT SYSTEM

- **Spike Overdose Analysis**
  - Counties are evaluated and a baseline is isolated to alert for overdose spikes within a 24-hour period.

- **Spike Notification System**
  - Alerts users when an overdose spike occurs in real-time, within user jurisdiction or surrounding jurisdictions.
  - Gives public safety and public health community real time alerts to mobilize a response strategy; can inform prevention and treatment strategies.

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From: ODMAPAlert@wb.hidta.org [mailto:ODMAPAlert@wb.hidta.org]
Sent: Monday, April 3, 2017 11:35 AM
To: Cibor, Jack <jcibor@wb.hidta.org>; Beeson, Jeff <jbeeson@wb.hidta.org>
Subject: ODMAP - OD Spike Detected

OD Spike Alert!!! An OD Spike was detected in X County, MD. There have been 5 incidents in X County, MD in the last 24 hours. The Spike Alert Threshold for X County, MD is currently set to 5 ODs in a 24 hour period.

To learn more about these incidents and to monitor incoming data, ODMAP Level 2 Users can log into the ODMAP Dashboard application at https://secure.hidta.org. You can register for ODMAP Level 2 access at that same URL.
SUMMARY

- Free, national, user friendly tool to track and report ODs
  - Appropriate for Law Enforcement, EMS, Fire, Public Health and other Health Care organizations
  - ODMAP data can be used to operationally to connect First Responders and Health Care Orgs to get those experiencing OD coordinated with available treatment

- Provides real time logging on the map to assist in strategically determining illicit drug flow
  - ODMAP data can be used strategically to drive illicit drug arrests
  - “Nassau Police Use Overdose Mapping Technology To Arrest 59 In Heroin Crackdown”
    www.newsday.com/long-island/crime/nassau-county-overdose-mapping-1.17021755
DPH DRUG OVERDOSE SURVEILLANCE UPDATES

- Surveillance reports
  - 2016 and 2017 Opioid Overdose reports
    - Hospital discharge data, vital records death certificates, GBI Crime Lab seizure data
  - 2016-2017 PDMP report
  - Monthly Syndromic Surveillance report

- Drug Overdose Surveillance Unit website
  - Published reports and other surveillance resources
  - https://dph.georgia.gov/drug-overdose-surveillance-unit

- Outbreak Response Protocol
  - GBI Drug Overdose Notification System (DONS)
What is Syndromic Surveillance (SS)? SS is used as an early detection method for potential outbreaks, by tracking drug overdose-related emergency department (ED) visits based on the patient’s chief complaint upon admission and/or discharge diagnosis. Information is obtained from participating Georgia hospitals and urgent care facilities that share data within the State Electronic Notifiable Disease Surveillance System (SendSS).

Drug overdose ED Visits by Patient Zip Code:
May 2018

Color Scale
Less Visits
More Visits

Percent Change of Drug overdose ED Visits:
Dec 2017-Feb 2018 to March 2018-May 2018
(compares previous 3 months to current 3 months)

Cooling Off
1-24% Decrease
25-49% Decrease
50-74% Decrease
75-100% Decrease

Heating Up
1-24% Increase
25-49% Increase
50-74% Increase
75-100% Increase

Top 5 Counties with 15 or More Drug overdose ED Visits in May 2018
Monthly Rate per 100,000 Population

May 2018

June 2017- May 2018

Thicker borders represent the top 5 highest county rates per 100,000 population in May 2018 (see table below)
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