CREATING A REGIONAL DATA SCIENCE LAB

Integrating Behavioral Health, Public Health, & Hospital Data Sets

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Identifying local partners to solve key health issues

// LEARNING OBJECTIVES
Identifying local partners to solve key health issues

Building a cross informational database
Identifying local partners to solve key health issues

Building a cross informational database

Improving community response with innovation
‘OPIOIDS REACH EVERY PART OF SOCIETY: BLUE COLLAR, WHITE COLLAR, EVERYBODY. IT’S NONSTOP. IT’S EVERY DAY. AND IT DOESN’T SEEM LIKE IT’S GETTING ANY BETTER.’

WALTER BENDER
A DEPUTY SHERIFF IN MONTGOMERY COUNTY, OHIO
Identifying local partners
// A MODEL TO COMBAT ADDICTION

Community-Wide Collaborative Approach
// A CONNECTED COMMUNITY
Reduce the number of fatal overdoses
<table>
<thead>
<tr>
<th>Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>Deaths</td>
</tr>
<tr>
<td>ER Visits</td>
</tr>
<tr>
<td>EMS Runs</td>
</tr>
<tr>
<td>Law Enforcement Dispatches</td>
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<tr>
<td>Drug Seizures</td>
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<tr>
<td>Needle Exchange / STD Testing</td>
</tr>
<tr>
<td>Naloxone Interactions</td>
</tr>
<tr>
<td>Prescriptions</td>
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</tbody>
</table>
Building a cross informational database
// OBJECTIVE

Remove barriers of data sharing between agencies to produce key insights into the opioid epidemic
// GETTING STARTED

➢ Create BAA’S and QSOA’s with each covered entity for HIPAA and 42 CFR compliance
➢ Build HIPAA compliant web services environment for data storage
➢ Establish data governance
// COMMUNITY DATA PLATFORM

HOSPITALS

PUBLIC HEALTH

SHERIFF’S OFFICE

CORONER’S OFFICE / CRIME LAB

OFFICE OF CRIMINAL JUSTICE

ADDICTION / MENTAL HEALTH
// HOW WE USE DATA

- Identify high risk populations
- Identify best treatment options for high utilizers
- Determine effectiveness of treatment programs
Improving community response with innovation
// TIMELINE OF INNOVATION

FALL 2017
Partnership Began

SPRING 2018
GetHelpNow Launched

SUMMER 2018
Overdose Notification Pilot

FALL 2018
Data Platform Created

2019
Ongoing Innovation
WHERE ARE WE GOING

➢ Expand notification system to capture a broader user base
➢ Enhance data reporting through risk stratification & machine learning
➢ Advance existing solutions that scale beyond our community
➢ Establish a sustainable funding model
// OVERDOSES ARE DECLINING BETWEEN 2017 & 2018

Overdose Emergency Department Visits ↓57% (3,920 to 1,699)
Law Enforcement Overdose Calls ↓53% (3,637 to 1,703)
Naloxone Doses Administered by EMS ↓50% (3,203 to 1,586)
Drug Overdose Deaths ↓48% (566 to 294)
// CONTACT INFORMATION

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