

# Tracking the Gaps: Using Artificial Intelligence to Report and Visualize Drug Overdose Data in Mississippi

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# Group Members



**ASTHO**  
Peer-to-Peer  
Fellowship Program



**Michigan  
Department of  
Health and  
Human Services**



**Mississippi State  
Department of  
Health**



# Introduction

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# Background

## Overview of the project

- “Drug Overdose Data and Opioid Prescribing Metrics” report tracking portal.
- Knowledge about technical, data, and resource requirements
- Capacity to build a statewide Environmental Public Health Tracking



# Objectives

## What we wanted to achieve

To obtain drug overdose mortality data from 2011-2018, and prepare the data according to National Tracking Program guidelines.

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To obtain prescription pills metrics for the state, prepare the data for descriptive analysis, and identify emerging trends in the opioid prescribing process.

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To create an opioid tracking reporting portal using a business intelligence software, which to be used to build buy-in for an environmental public health tracking network program for the health department.

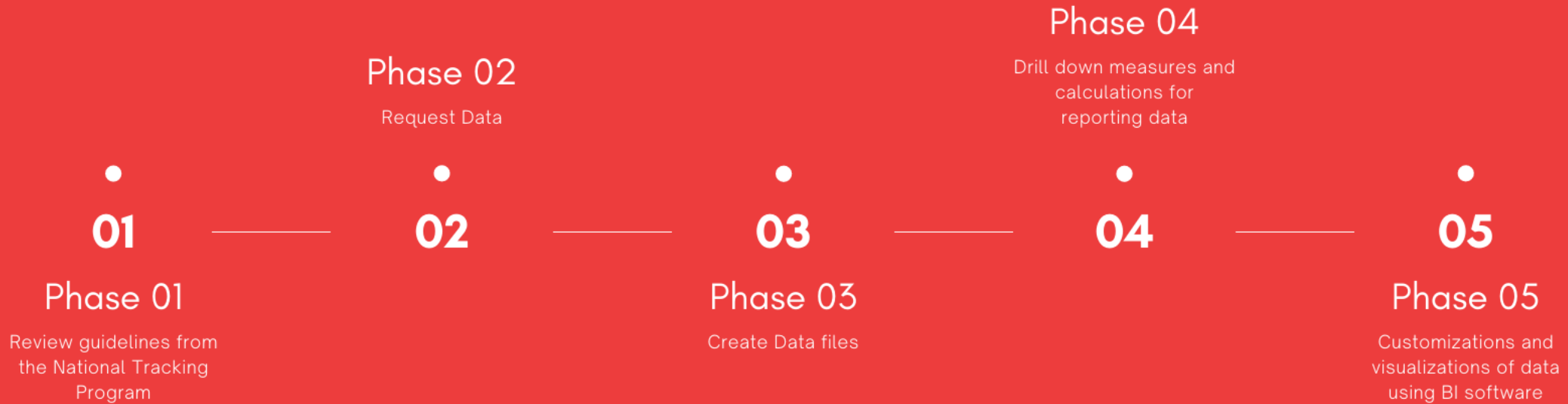
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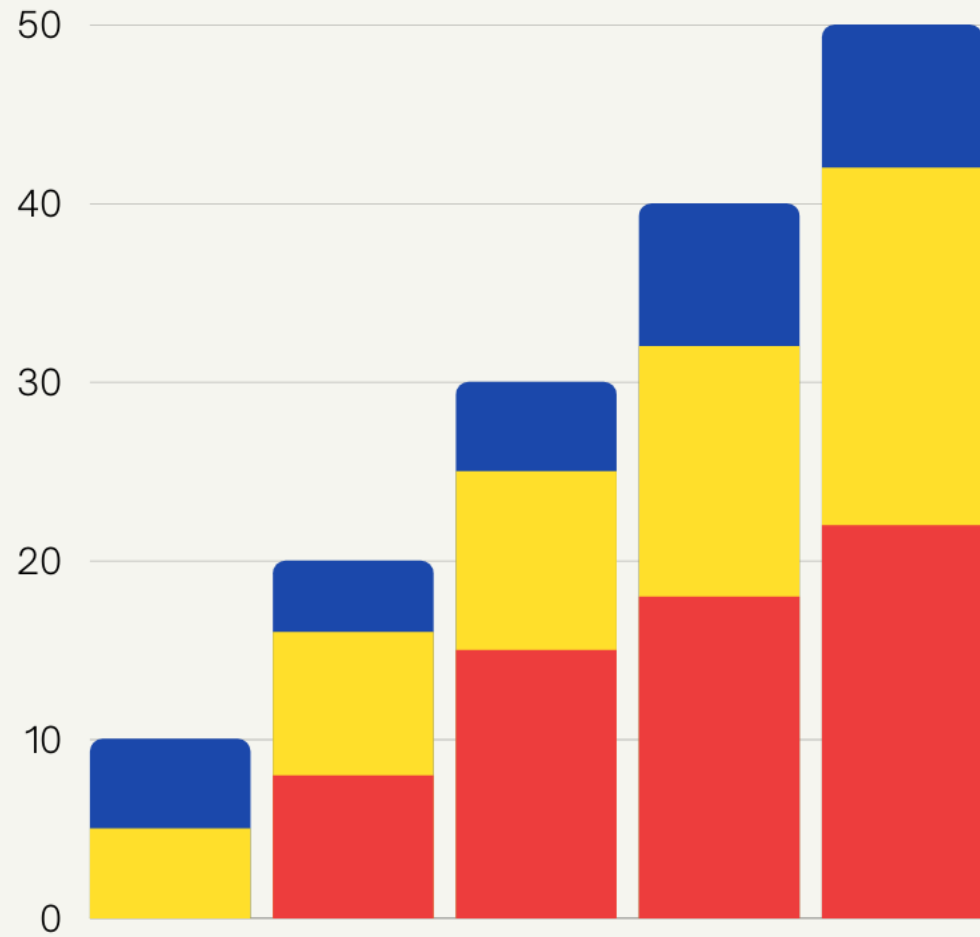
To identify stakeholders to participate in an interdisciplinary/interagency Public Health Tracking workgroup.

# Pilot Project



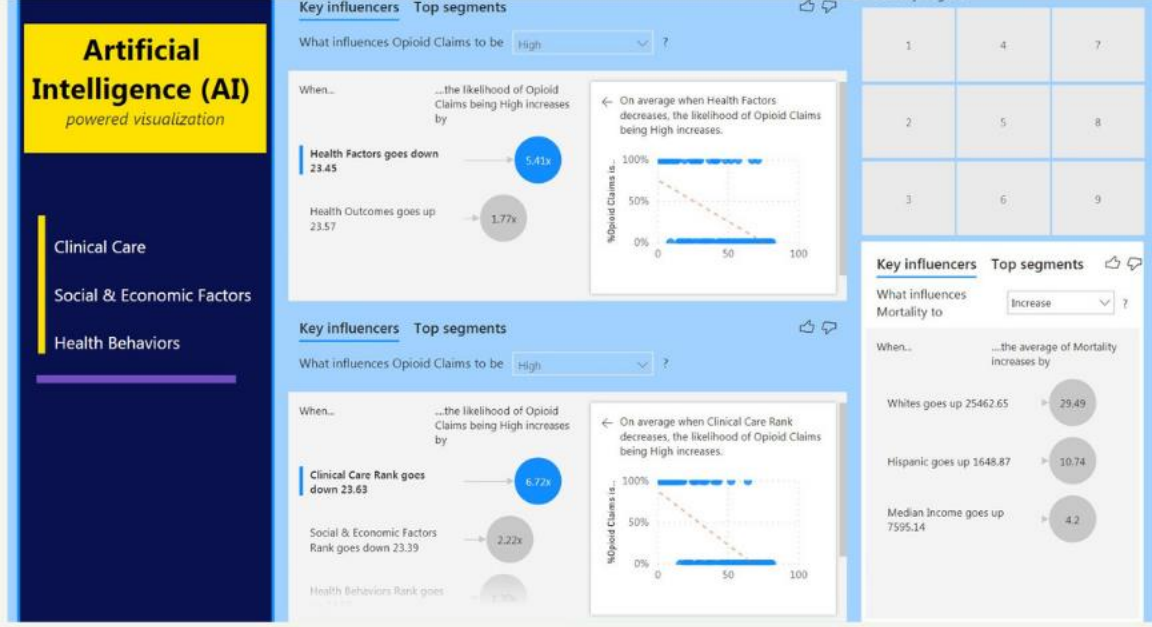
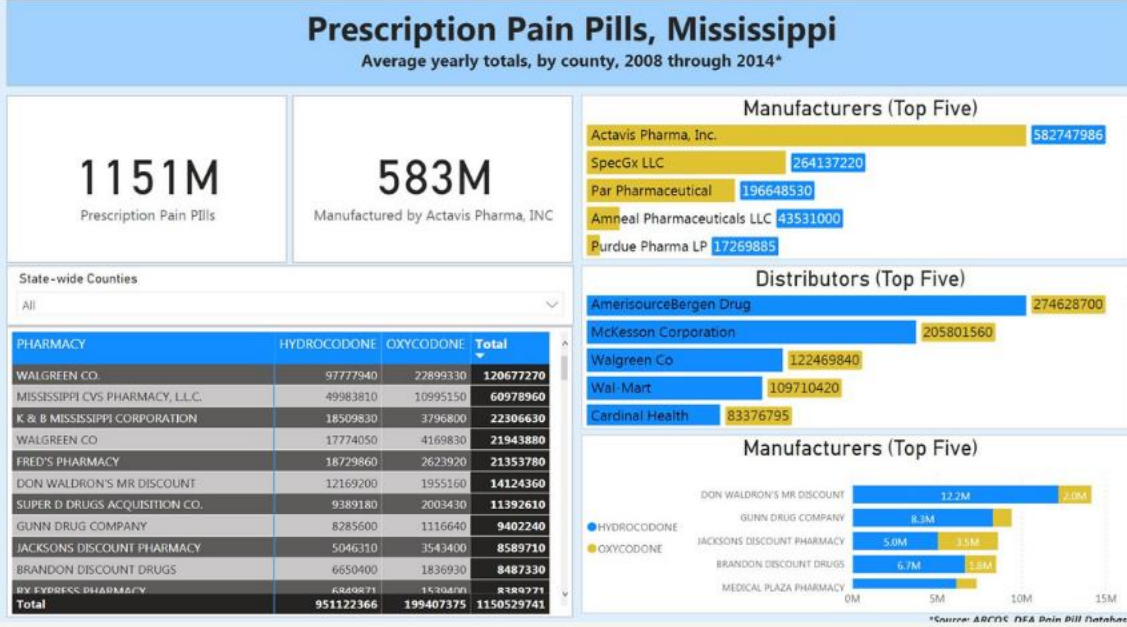
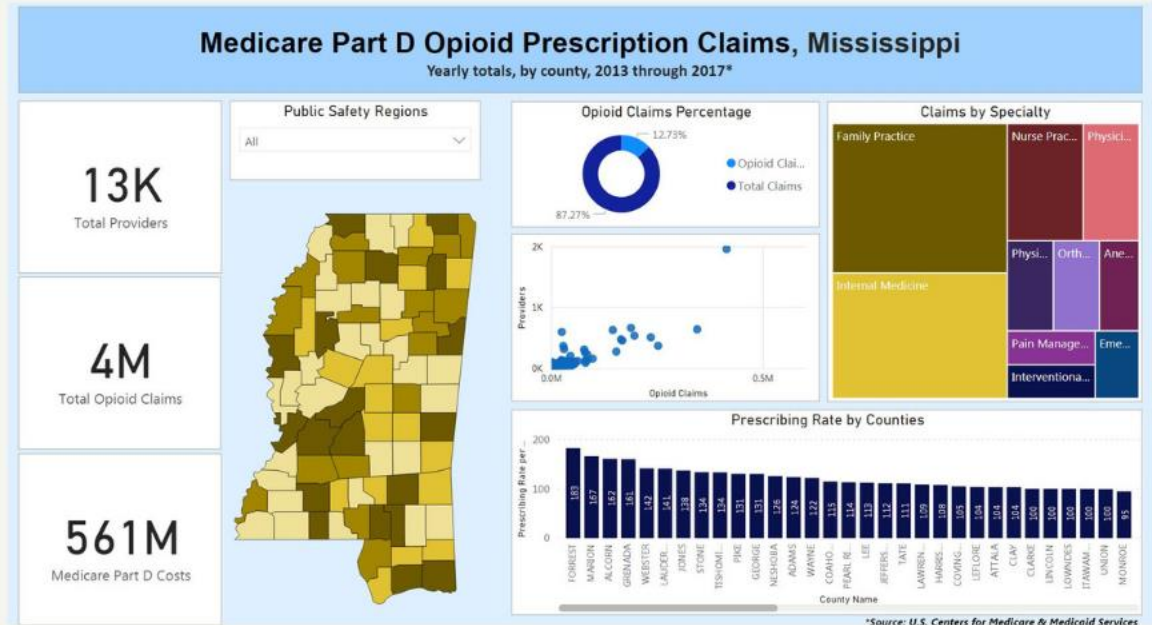
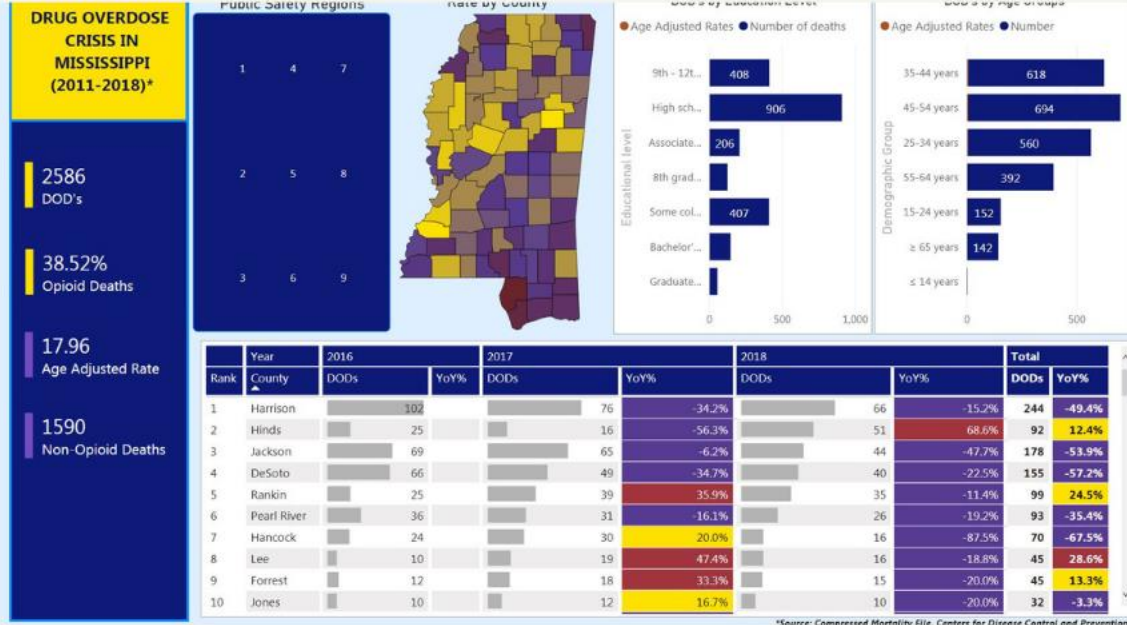
# Project Timeline



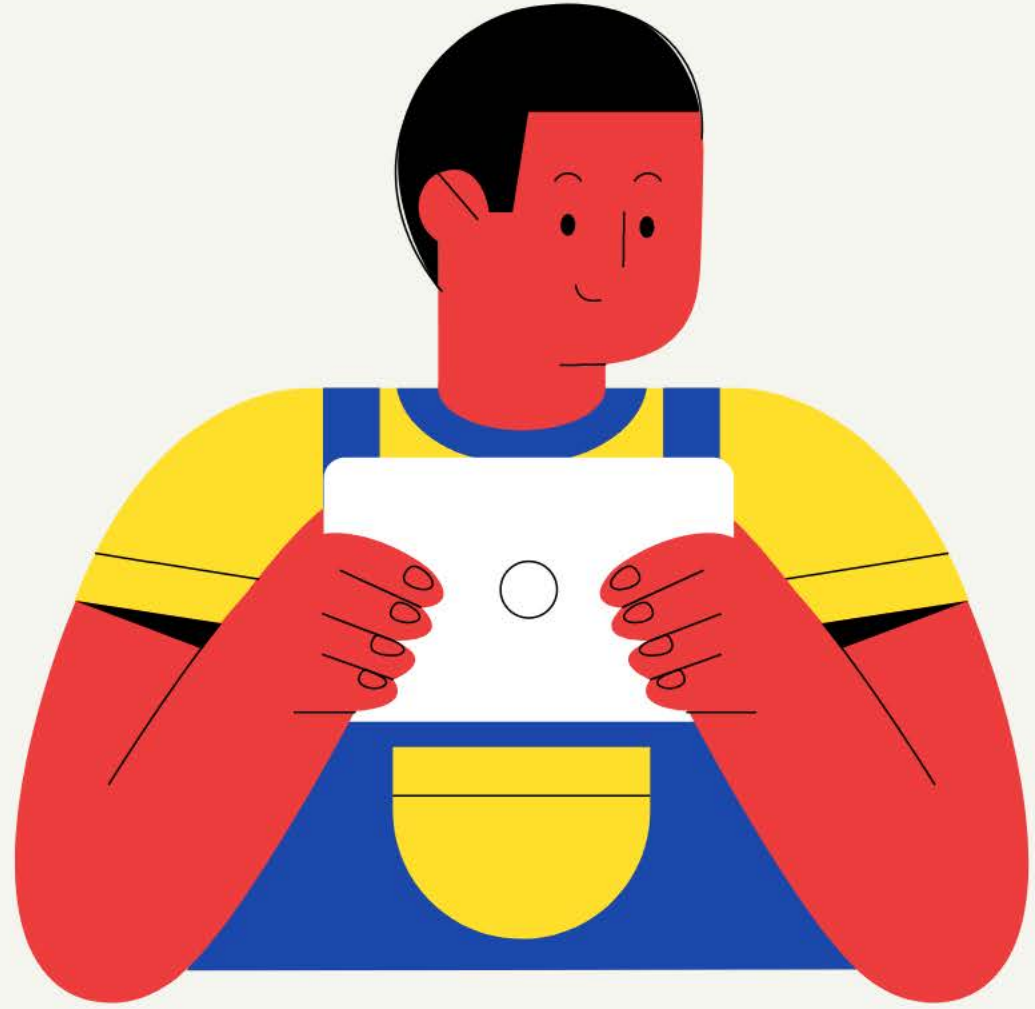


# Results (DEMO)





# Conclusion



- Big data analysis
  - Connects with any databases
  - Intuitively faster to build reports
  - Artificial Intelligence
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## Project highlights

- Extensive databases
  - Knowledge and experience
  - Using AI enabled data to support partnerships
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## Lesson Learned



# Thank you!

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