

OBH SUD-Focused Master Data Repository

Project Overview and EMS Data Request

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Medical Direction & Practices Board Meeting

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AGENDA



Introduction



Data-Related Goals



OBH SUD-Focused MDR

Addressing Maine's Opioid Crisis



Introduction

Power of Data

Data = Knowledge

- Understand Addiction and Opioid Crisis Impacting Maine
- Identify Needs, Gaps, Areas of Opportunity
- Identify Promising Solutions
- Monitoring, Performance, Accountability, Areas of Strength /Improvement

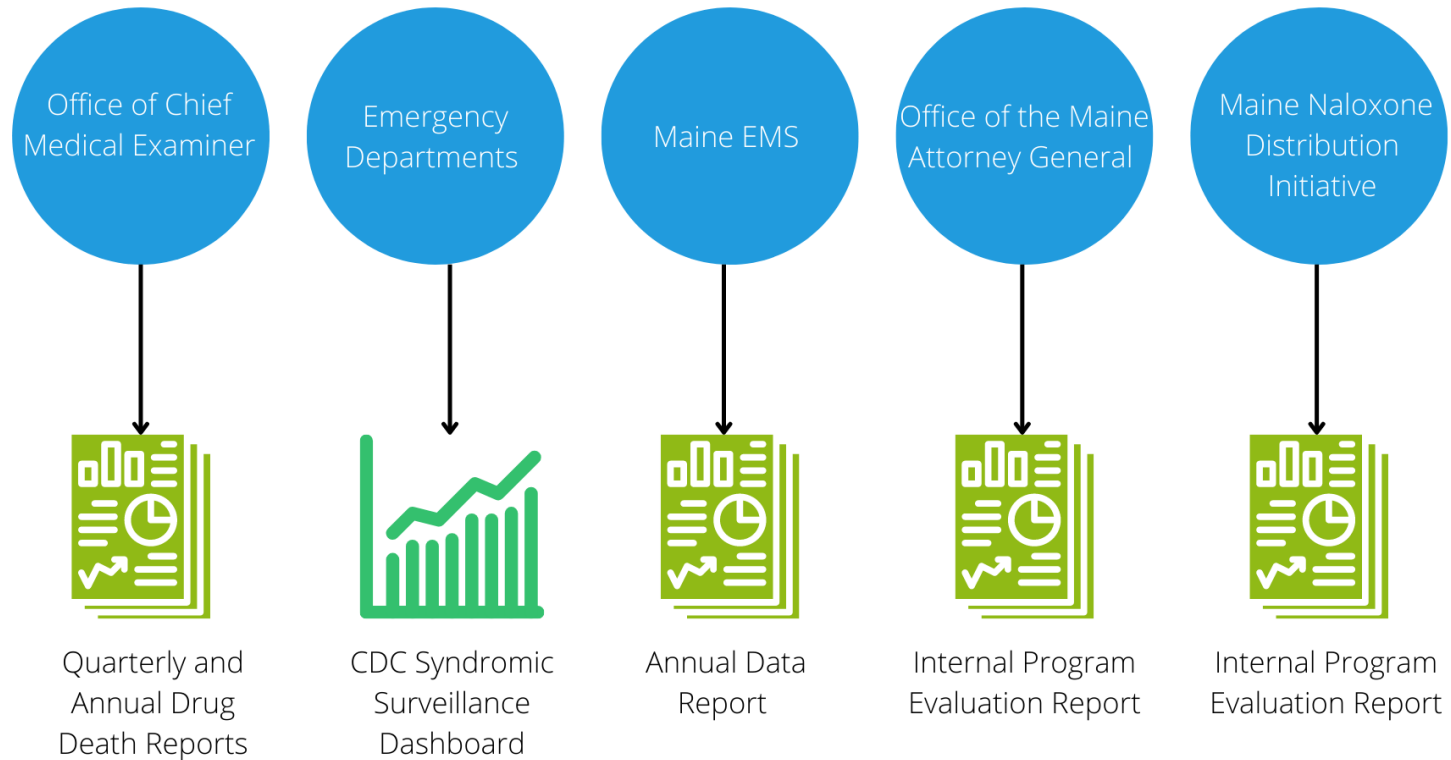
Data = Action

- Implement Evidence-Based Practice, Data-Driven Policy, Data-Driven Decisions

Maine's Opioid Response Strategic Action Plan

- **Shared Value #3:** Improving data collection, analysis, and timely communication
- **Strategy 5:** Maximize the collection of actionable data and evaluate the impact of interventions
- **Strategy 5e:** Create an online data hub to increase public transparency
- **Strategy 5f:** Share key data to inform policy and program design

Examples of Current Data Utilization



The background of the slide is a close-up, slightly blurred photograph of numerous white, round, tablet-shaped pills scattered across a light-colored surface. The pills are the primary visual element, creating a sense of abundance and medical or scientific context.

Imagine what questions we could answer if we had...

... more complete data

... more accurate data

Questions, Barriers, Solutions

Outstanding Questions

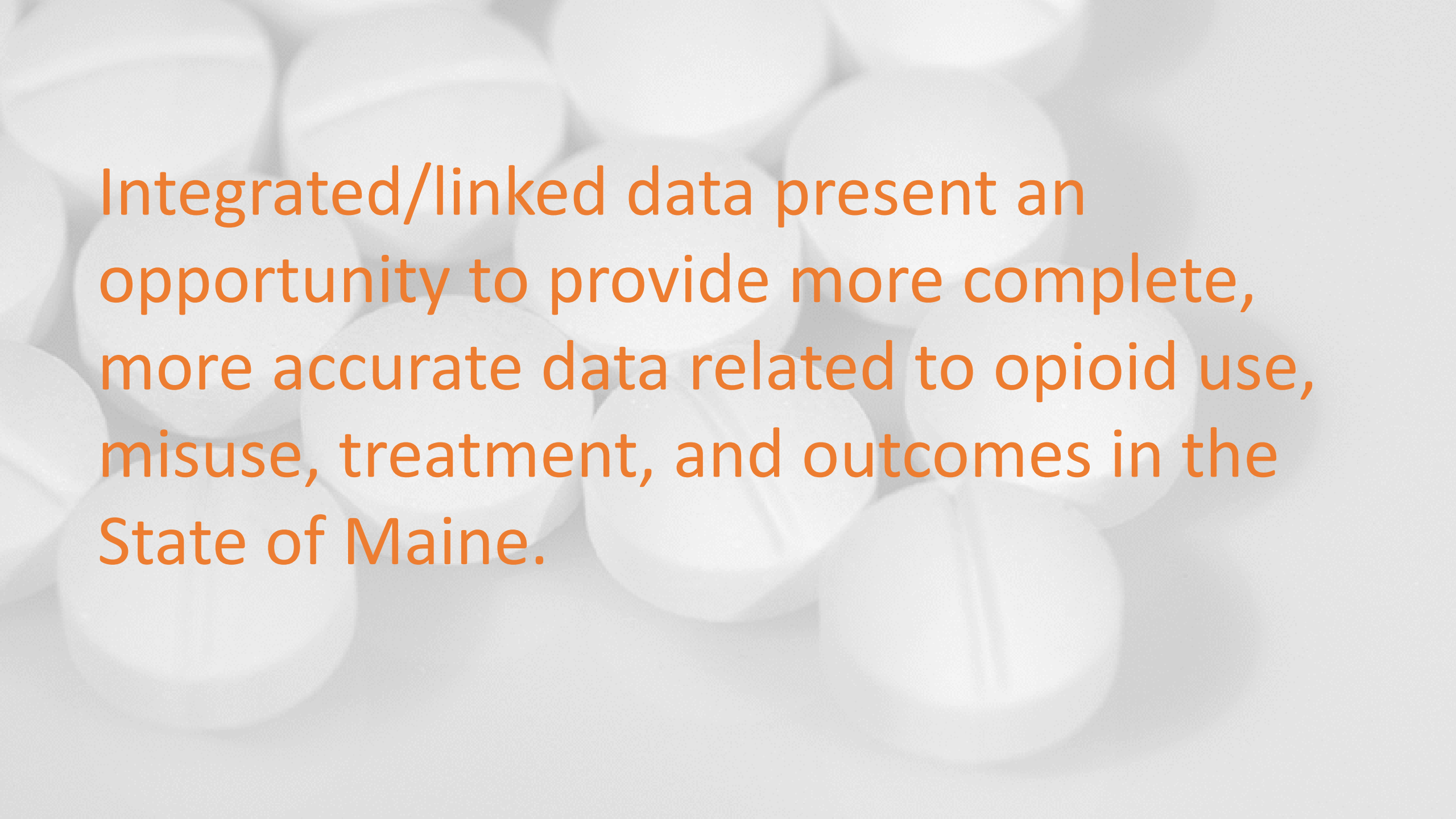
- We need to know more about people who use drugs
- We need to know more about the circumstances around fatal and non-fatal drug overdoses
- We need to know if State overdose prevention and response efforts are effective

Barriers

- Disparate data limits our holistic view of experiences and system
- Disparate data limits our ability to answer questions
 - incomplete, inconsistent
- While data utilization and sharing are occurring 😊 data integration/linkage efforts are needed

Solution

- OBH aims to build an SUD-Focused Integrated Data System
 - *OBH SUD-Focused Master Data Repository (OBH SUD-MDR)*

The background of the slide is a soft-focus image of numerous white, round pills scattered across the surface. The pills are slightly out of focus, creating a bokeh effect. The text is overlaid on this background in a bold, orange font.

Integrated/linked data present an opportunity to provide more complete, more accurate data related to opioid use, misuse, treatment, and outcomes in the State of Maine.



Data-Related Goals

Goals of Data Integration/Linkage

GOALS

- Link disparate data sets at the person level to create a comprehensive, *holistic understanding of individuals' trajectories with substance use*
- *Identify patterns of interaction with State services and agencies*, health care, and other organizations that could serve as opportunities for proactive intervention, outreach, and/or support for people who use drugs and affected others
- *Evaluate State policies and programs* to assess quality and effectiveness, particularly for those individuals most at risk for poor outcomes
- *Uncover new promising strategies* for preventing OD
- Create a more *complete understanding of the need/demand for services and supports* among people who use drugs and their loved ones

Example Questions for Data Integration/Linkage

Leveraging Data Linkage to Inform State Program and Policy Decisions (Blue = EMS Data)

1. What is the utilization history of State services and supports among people who experience fatal OD?
2. What is the BH treatment history of people who experience fatal overdose?
3. What is the health care service utilization history or trajectory of people who experience non-fatal overdose vs fatal overdose?
4. Does MOUD access during incarceration reduce the likelihood of a person experiencing a fatal OD following release?
5. Does MOUD access during incarceration increase the likelihood of a person entering and remaining in SUD treatment post-incarceration?
6. How does MOUD access during incarceration impact the likelihood of recidivism?
7. How does access to Intensive Case Management services for post-incarceration planning and community service referral impact individuals' likelihood of entering treatment, remaining in treatment, and/or accessing recovering or harm reduction services?
8. Does having multiple prescribers increase a patient's risk of opioid overdose?
9. Does the addition of a prescription benzodiazepine to opioids increase the risk of fatal opioid-related overdose relative to taking opioids along?
10. Did opioid-related overdose decedents have a access to legal opioids, defined as a prescription filled around time of death?
11. Many More...



OBH SUD-Focused MDR

Targeted Data Sources



OBH is seeking to collaborate with the following sources to create an SUD-focused MDR:

Maine's PMP

EMS

MHDO

Kepro

DOC

OCME

Vital Records

SUDORS

MaineCare

Syndromic Surveillance

DOC

Other Sources Wanting to Collaborate

Targeted Data Elements



OBH is seeking the following data for the UPI and Master Records

1. SSN
2. Source System Person ID
3. First Name
4. Middle Initial
5. Last Name
6. DOB
7. Street
8. City
9. Zip
10. Phone (optionally, if tracked)
11. Gender
12. Race
13. Ethnicity

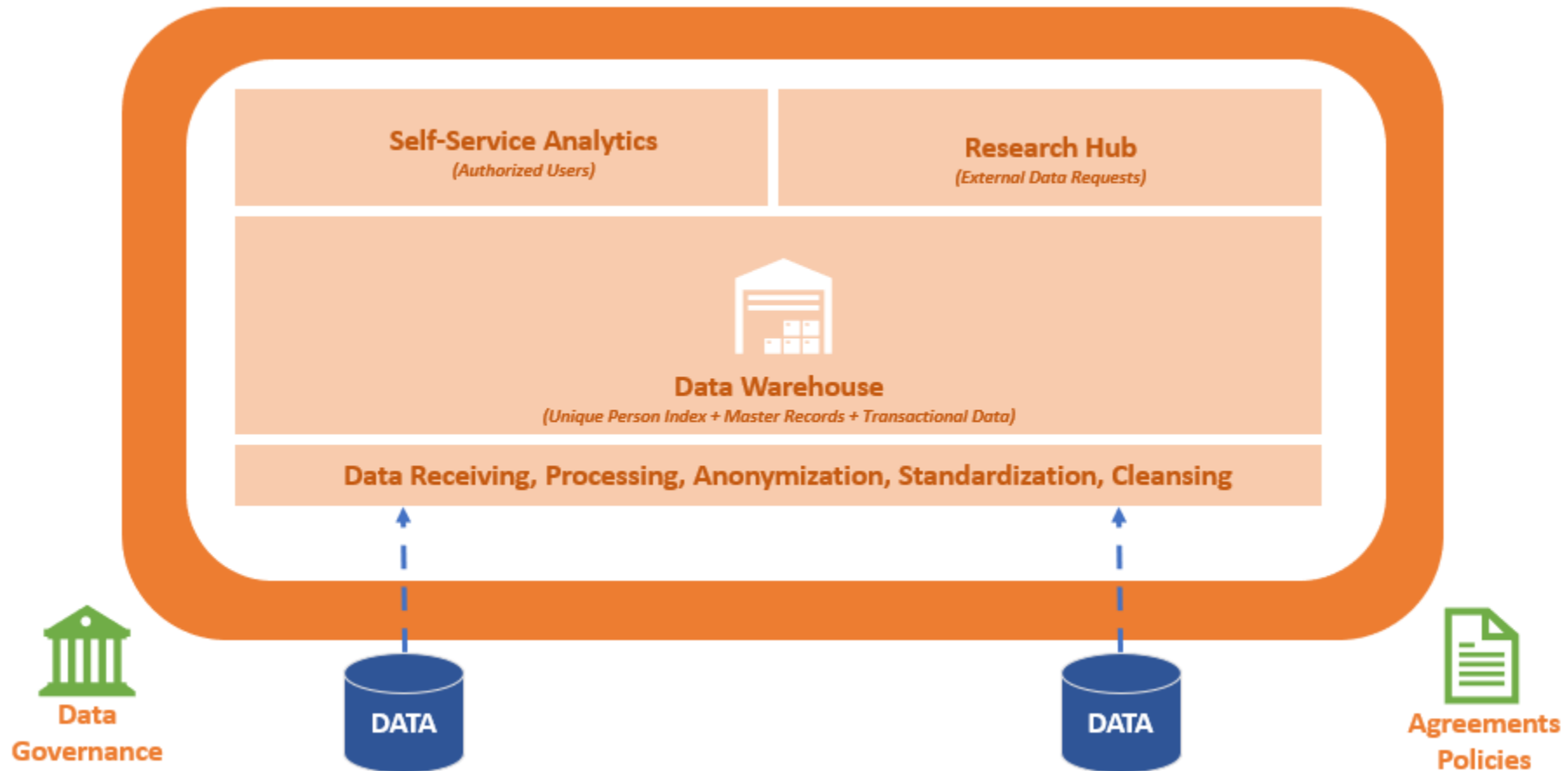
OBH is also seeking SUD and Opioid related transactional data for future linkages

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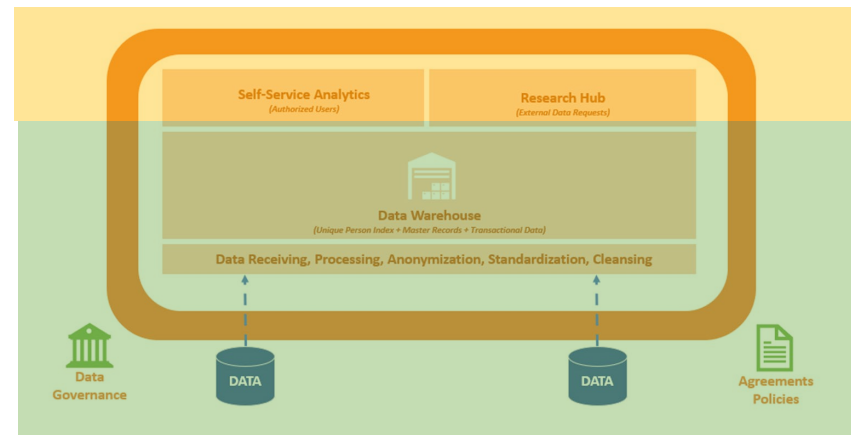
Project Vision



Project Phases and Key Activities

PHASE ONE	PHASE TWO
<p>Data Acquisition Identify Use Cases, Required Data and Data Sources Establish Data Sharing/Use Agreements Obtain and Profile Data for Creation of UPI and Master Records</p> <p>Develop Integrated Data System Create Unique Person Index Design Master Data Model, Architecture, Maintenance Obtain and Profile Transactional Data for <i>Future</i> Data Linkages Identify Analytics Interface for <i>Future</i> Data Utilization</p> <p>Standup Data Governance Program Identify Stakeholders, Form Council Identify Existing Regulations, Policies, Procedures Develop Policies and Procedures for SUD-Focused MDR Implement, Audit, and Sustain Data Governance Program</p>	<p>Develop Data Request Process Develop Data Request Form Develop Review and Approval Process Develop Data Use Agreements for Users</p> <p>Launch Analytics and Reporting Interface Link Interface to Data Warehouse Deploy Interface</p> <p>Manage and Monitor Access and Utilization Establish Data Use Agreements with Users Monitor Access and Utilization Enforce Data Governance and Data Use Agreements</p>

PHASE TWO



Data Access TBD by Data Sources

PHASE ONE

Data Accessed by Maine OIT Only

For questions or more information, please contact:

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