

### **Introduction to Chapter 55**

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## State of DPH Data in January 2015

- 300+ data mostly unlinked systems
- Access to data guided by "manual" IRB/24A process
- Few applicants understand data access rules
- No audit of actual usage
- No direct public access to data
- Little ability to answer complex public health questions



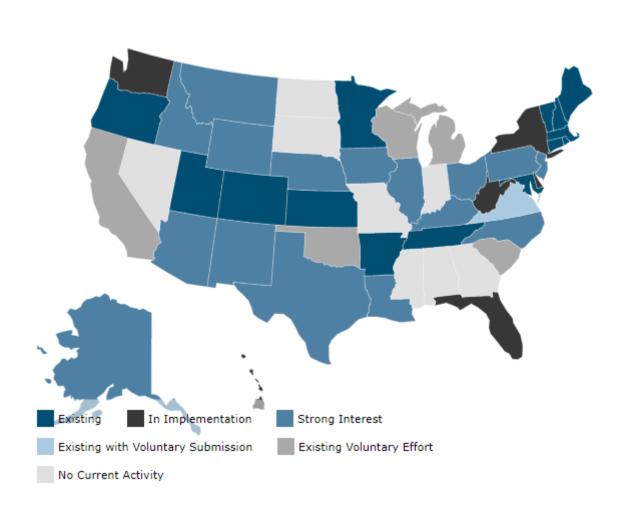
### **DPH Vision for a Virtual Data Warehouse**

An accessible, secure, and timely linkage of data that supports MA public health program planning and evaluation, as well as research and collaboration with external partners, without sharing the original datasets.

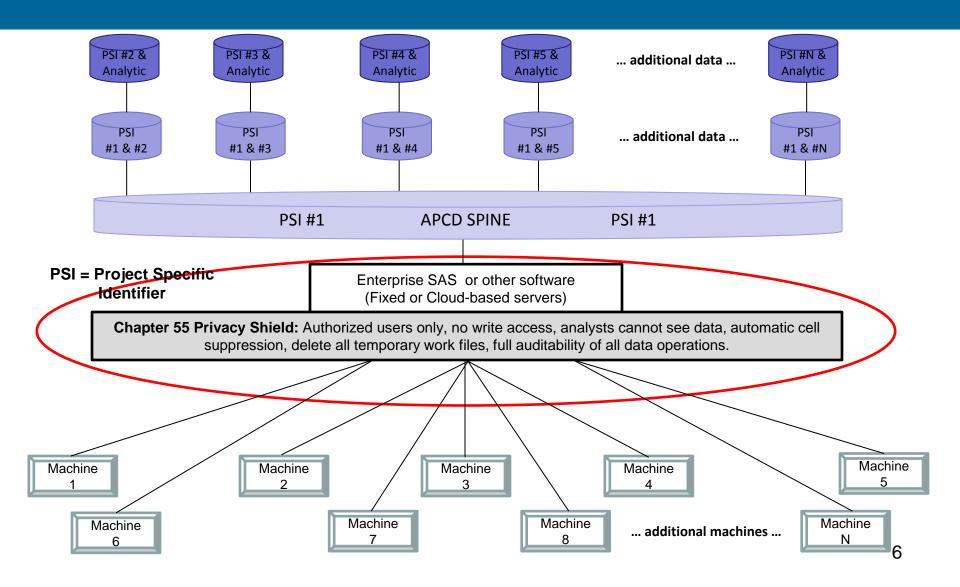
## **Chapter 55 Legislation (August 2015)**

- Signed into law in August 2015
- Requires a comprehensive report to the state
   Legislature and cross-agency collaboration to
   examine trends in opioid-related deaths and address
   7 specific questions
- Specifies major data sets across government
- Overcomes legal barriers for use of some data

## **Linking Data: The Spine**



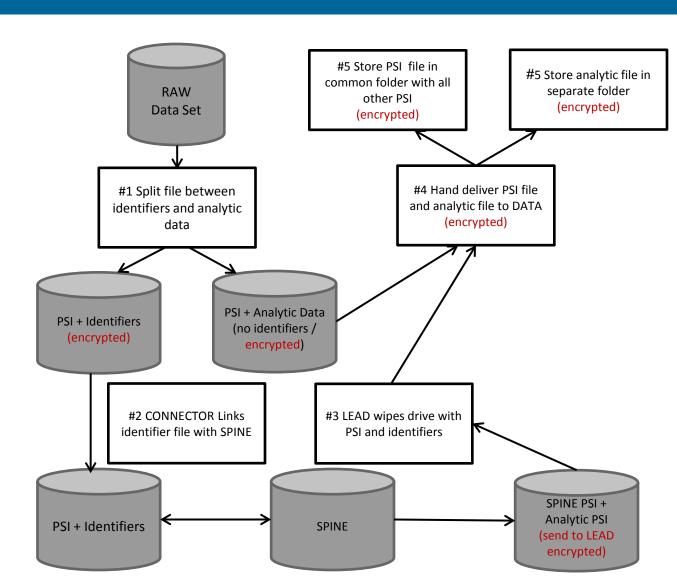
# **Chapter 55: Secure Data Access**



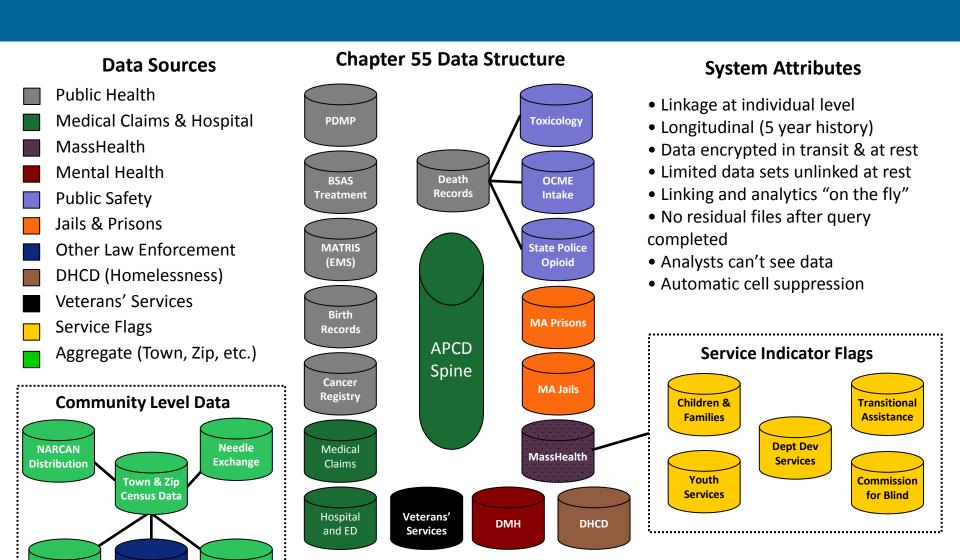
# **Chapter 55: Secure Data Handling**

### **Legend**

PSI = Project Specific Identifier LEADER = Project leader CONNECTOR = Separate Linkage Agent DATA = Secure Data Center SPINE = Large data set



## **Chapter 55 Data Mapping**



Drug Seizure

Data

**MDPHnet** 

Depression

I.C.E.

Measures

## **Chapter 55: Partners Coming Together**

#### **Academic**

- Brandeis University
- Boston University
- Brown University
- Harvard Medical School
- Harvard School of Public Health
- Massachusetts College of Pharmacy and Health Sciences
- Massachusetts Institute of Technology
- Northeastern University
- Tufts University
- University of Massachusetts Amherst
- University of Massachusetts Boston
- University of Massachusetts Medical School

#### **Hospitals & Private Industry**

- Baystate Health
- Beth Israel Deaconess Medical Center
- Boston Medical Center
- •Brigham & Women's Hospital
- Children's Hospital
- •GE
- •IBM
- Liberty Mutual
- Massachusetts General Hospital
- Massachusetts League of Community Health Centers
- McKinsey & Company
- •The MITRE Corporation
- Partners Healthcare
- PwC
- •Rand Corporation

#### **State and Federal Government Agencies**

- Boston Public Health Commission
- Center for Health Information and Analysis
- Department of Housing and Community Development
- Department of Mental Health
- Department of Correction
- Department of Public Health
- Executive Office of Health and Human Services
- Executive Office of Public Safety and Security

- Federal Bureau of Investigation
- High Intensity Drug Trafficking Area (NE)
- Health Policy Commission
- Massachusetts Sheriffs' Association
- MassIT
- Office of the Chief Medical Examiner
- State Auditor's Office

## **Chapter 55 Progress**

- 1<sup>st</sup> report September 2016 (fatal overdose)
  - 7 statutorily mandated questions
  - 4 additional analytic projects
- 2<sup>nd</sup> report August 2017 (fatal and nonfatal overdose)
  - 34 active projects (internal and external to DPH)
  - 13 sections covering baseline statistics, timelines and influences, and at-risk populations
- Future reports
  - public health priorities set by the Commissioner

### Thank You

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