EOTSS: Data Sharing and Services

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Agenda

- Data Sharing Framework
- Overview of EOTSS's Data Services
- Key Products:
 - Data Prep / Secure Storage
 - o Data Analytics
 - o Data Visualization

Data Sharing

Data Sharing Problem Statement

Challenge 1:

Data is not shared across state agencies in a cost-effective, replicable manner.

287+

Unique data-sharing agreements

133

Days to create a data-sharing agreement (on average)

Challenge 2:

Confusion over rules and regulations limits data sharing. Not sharing is the default.

- Lack of clarity around what can be shared with whom
- No common process or support system for data-sharing

New Legal Framework

MOU:

A <u>statewide</u> agreement broadly governing the sharing of protected data between Secretariats

Data Use Licensing Agreement (DULA):

An agreement between a <u>data owner and a</u> <u>data recipient(s)</u> specifying the details of how data will be shared for a <u>specified</u> purpose/project



What's in the MOU and DULA?

The MOU covers the following areas:

- Justification for Data Sharing
- Data Access/ Confidentiality
- Data Transfer/Storage
- Security Requirements/ Breaches
- Requirements under a DULA

Parts of a DULA:



Data-Sharing Support: The Data Steward Council

The Data Steward Council is a peer forum to support data-sharing.

Assist with the timely execution of the DULA process, before and after signatures

Manage the MOU, including the addition of new signatories Mediate disagreements around datasharing Provide general support for datasharing projects

Reach out to your Secretariat's representative at any point in the data-sharing process.



Data Sharing Resource Site

- Resources for Data Sharing Coordinators:
 - DocuSign resources for initiating/using DULAs
 - Quick access to the Data Sharing MOU
 - o Listing of Data Sharing Coordinators
- Resources for other data users:
 - Introduction to the Data Steward Council
 - Application to join the MOU
 - Instructional resources for signing DULAs
 - O Data Sharing FAQs



EOTSS's Data Services

EOTSS's Data Services

Data Sharing

- Support the work of the Data Steward Council
- Manage the statewide
 MOU
- Facilitate the electronic
 DULA system
- Develop resources for Data Sharing Coordinators

Data Analytics

- Data Matching
- Integrated Data Systems
- Data Science/Analytics
- Machine Learning

Open Data

- Data Sites
- Mass.gov open data platform (FY20)

Data Prep / Storage

Data Prep and Storage: Integrated Data System (IDS)

Data Processing Flow



Data Analytics

Analytic Processes: SNAP "Churn"



Isolating Churn

Hypothesis: Different Types of Behaviors Drive Return to SNAP



Clients who	knew to	renew	but	engaged	with	DTA
too close to	the appl	ication	dea	dline		

- Clients who did not know they expired until they prompted by no access to benefit
- Clients who let their benefit expire but returned due to life changes

Hypothesis: Three different behaviors drive return cycles to SNAP

Data Visualization

Data Story: TNC Rideshare

- EOTSS partnered with Department of Public Utilities (DPU) to develop a <u>data site</u> for TNC rideshare (Lyft/Uber).
- The site helps the state and the public better understand ride flows between municipalities and over time.



2018 DATA REPORT

Rideshare in Massachusetts

In 2018, rideshare companies, also called transportation network companies (TNCs), provided **81.3 million** rides in Massachusetts, approximately 25% more than in 2017. This increase happened across the state, in towns and cities of all sizes and types.

Massachusetts law requires rideshare companies to share data with the Commonwealth. The companies also pay an assessment, 20 cents per ride, that is distributed among cities and towns, Massachusetts's general transportation fund, and the taxi and livery industry. In 2017,





Data Steward Council Members

Secretariat	Member		
Administration and Finance	Patrick Lynch		
Education	Ann Reale		
Energy and Environmental Affairs	Faye Boardman		
Housing and Economic Development	TBD		
Health and Human Services	Sarah Ricardi		
Labor and Workforce Development	Michael Doheny		
Public Safety and Security	Cliff Goodband		
Technology Services and Security	Holly St. Clair (Chair)		
Transportation	Rachel Bain		
Governor's Office	Michael Kaneb		