

Using XML to Support Coordinated Case Care A Data Integration Project

Barb Ritter, Michigan Statewide HMIS

David Canavan, Canavan Assoc

Abby Burgess, Bowman Systems



Building Bridges with Data:
Creating a Strong Foundation
for Ending the Data Divide

Project Objective

- To improve outcomes for clients participating in Muskegon's Jail Diversion Project by providing a platform for automated real-time or near real-time coordination of care between the jail, probation & parole, mental health, drug tx, and the 13 HMIS participating agencies in Muskegon, MI.
- To test our ability to combine information from multiple sources to create a common plan using XML with special emphasis of testing the HS XML.

Partners

- NHSDC XML Workgroup
- West Michigan Therapy (Lead Agency – Muskegon)
- Muskegon Community Mental Health
- Muskegon Sheriff's Department
- Bowman Systems
- Michigan's Statewide HMIS
- Evaluation / Research Teams

Participating Data Bases

- Michigan's Statewide HMIS
- AVATAR – Muskegon's CMH Medical Record
- OSSI – Muskegon Sheriff's Department Data System

Privacy Considerations

- Data Security
- HIPAA Compliance
- Privacy Notice and Releases
- Who are the clients
 - Criminal Justice and CMH
- Data Sharing consents between partners

The Sharing Plan

- AVATAR & HMIS - Client Characteristics, Treatment Plans and Progress Notes & Periodic Reviews, Entry/Exits and Service Information, appointment information including “no shows”, cost information related to Services, medications, and history of care.
- OSSI – Charges, Jail Events, & Release Status

Case Plan and Case Notes will be mapped into the HMIS Case Plan. Goals, Objectives, Action Notes, Referrals will be updated by HMIS Participating Agencies.

Jail / P&P will be given access to participating client records to allow real-time monitoring. These individuals may add to the record as needed.

Sharing Frequency & Scope

Community Record:

- Real-Time Sharing among the HMIS partnering agencies & justice system
- Monthly Updates from the CMH and Jail Databases.
- This should entail about 100 records monthly initially with growth as the program grows.

Technical Planning

- Understanding the structure and content of source & destination databases (eg. How are families created)
- Mapping
- Frequency and Maintenance
- Extraction
- Transformation
- XML Flavors (HUD, HS, AIRS, Vendor)
- Exchange
- Testing
- Live Import

Some Questions

- Will the XML run automatically in the background with AVATAR and OSSI?
- Will the XML require monthly or other scheduled manual uploads?
- How does this project work with a fully automated upload from one system and a manual from another?
- Will data be pushed or pulled?
- What additional software is needed to fully automate the process?
- Is a monthly case plan update sufficient to provide customer satisfaction?

Expectations

- Pilot will identify what capacities are needed (policy and technology) and available or lacking, in communities to implement this technology in Muskegon and other communities or on a larger scale with more partners.