


National Human Services Data Consortium 2016 Spring Conference Los Angeles, CA April 13-14, 2016

Shifting Paradigms by Integrating Criminal Justice Data

Whitney Lawrence, *CSH*
Kim Keaton, *CSH*
Brooke Page, *Clark County Social Service*
Rob Herdzik, *Bitfocus, Inc.*

Advancing a Technology Culture in Human Services



National Human Services Data Consortium 2016 Spring Conference Los Angeles, CA April 13-14, 2016

Agenda

- Introduction – Whitney Lawrence
- Why is integrating criminal justice data so important? – Kim Keaton
- Data Integration in Clark County – Brooke Page, Rob Herdzik

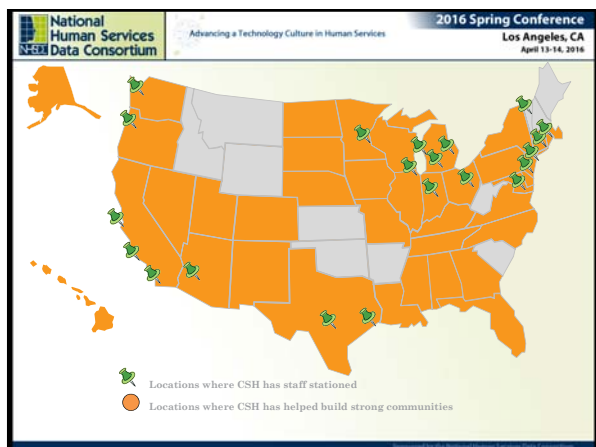
National Human Services Data Consortium 2016 Spring Conference Los Angeles, CA April 13-14, 2016

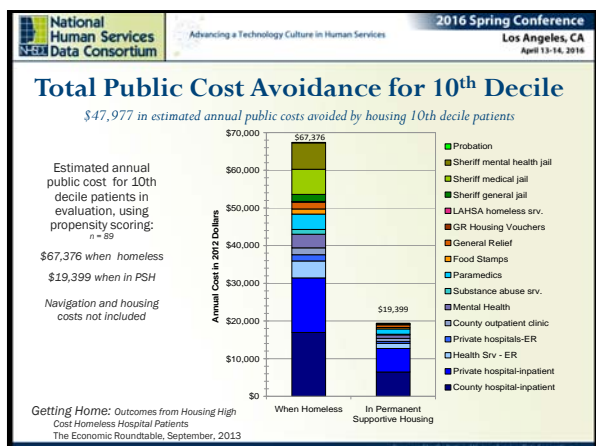
CSH's Mission

Advancing housing solutions that:

 <p>Improve lives of vulnerable people</p>	 <p>Maximize public resources</p>	 <p>Build strong, healthy communities</p>
---	--	--








National Human Services Data Consortium 2016 Spring Conference
Advancing a Technology Culture in Human Services Los Angeles, CA
April 13-14, 2016

Shifting Paradigms by Integrating Criminal Justice Data
Kim Keaton

The FUSE Model: Frequent Users Systems Engagement



National Human Services Data Consortium 2016 Spring Conference
Advancing a Technology Culture in Human Services Los Angeles, CA
April 13-14, 2016

Shifting Paradigms by Integrating Criminal Justice Data
Kim Keaton

What is FUSE?

Frequent Users Systems Engagement:

- Thousands of people with chronic health conditions cycle in and out of jails, diversion courts, and homelessness - at great public expense and with limited positive human outcomes.
- **Targeted supportive housing** for this most vulnerable and costly of this group can reduce costs while getting better outcomes
- By finding a solution to the frequent user issue, the FUSE program serves as a catalyst for **system change**

National Human Services Data Consortium 2016 Spring Conference
Advancing a Technology Culture in Human Services Los Angeles, CA
April 13-14, 2016

Shifting Paradigms by Integrating Criminal Justice Data
Kim Keaton



National Human Services Data Consortium | Advancing a Technology Culture in Human Services | 2016 Spring Conference | Los Angeles, CA | April 13-14, 2016

Shifting Paradigms by Integrating Criminal Justice Data
Kim Keaton

Evaluation Results: FUSE Reduces Recidivism

Intervention Effects for Shelter Use and Incarceration

Results from Columbia University's evaluation of the New York City FUSE program, released in November 2013

- 40% fewer jail days
- 91% fewer shelter days
- 50% fewer psychiatric inpatient hospitalizations (not shown)
- *Cost benefit analysis showed \$15,000 in savings per client*

National Human Services Data Consortium | Advancing a Technology Culture in Human Services | 2016 Spring Conference | Los Angeles, CA | April 13-14, 2016

Shifting Paradigms by Integrating Criminal Justice Data
Kim Keaton

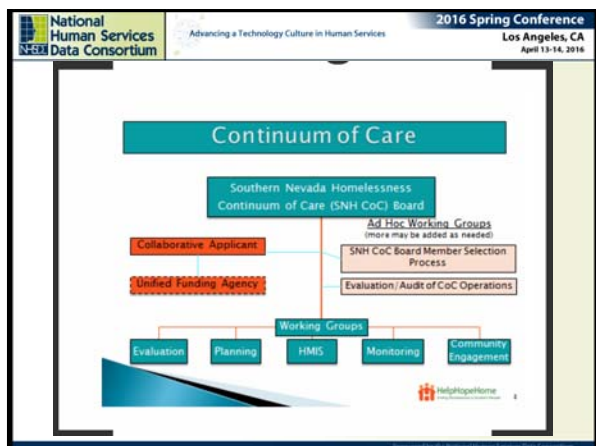
Providing frequent users with safe, stable supportive housing leads to:

National Human Services Data Consortium | Advancing a Technology Culture in Human Services | 2016 Spring Conference | Los Angeles, CA | April 13-14, 2016

Shifting Paradigms by Integrating Criminal Justice Data
Kim Keaton

The FUSE Blueprint

Data-Driven Problem-Solving	Policy and Systems Reform	Targeted Housing and Services
Cross-system data match to identify frequent users	Convene interagency and multi-sector working group	Create supportive housing and develop assertive recruitment process
Track implementation progress	Troubleshoot barriers to housing placement and retention	Recruit and place clients into housing, and stabilize with services
Measure outcomes/impact and cost-effectiveness	Enlist policy makers to bring FUSE to scale	Expand model and house additional clients



National Human Services Data Consortium | Advancing a Technology Culture in Human Services | **2016 Spring Conference** | Los Angeles, CA | April 13-14, 2016

2015 Point In Time

Full Report at helphome.org

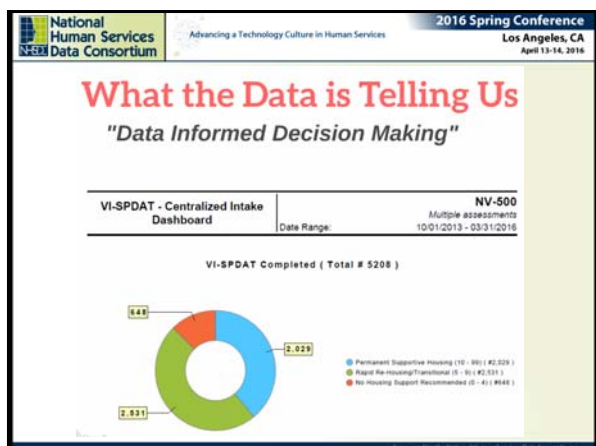
The 2015 Southern Nevada PIT Count indicates that between 2014 and 2015, the total amount of homeless persons increased from 7,443 to 7,509, respectively. The amount of unsheltered homeless persons increased from 3,494 to 3,916 respectively during this time period.

2.1 2015 Homeless Census & Survey: Summary of Findings

Figure 1: Point-in-Time Homeless Census & Annual Estimate of Homelessness Data

	2014 to 2015				2014 to 2015	
	2011	2013	2014	2015	Net Change	Percent Change
Unsheltered	4,241	3,034	3,494	3,916	422	12.1%
Sheltered	3,762	2,920	3,949	3,593	-356	-9.0
Total Point-in-Time Count	8,003	5,954	7,443	7,509	66	0.89%
Annual Estimate	41,865	32,421	34,744	34,397	-347	-0.01%


Source: Applied Survey Research (2011, 2011 Southern Nevada Homeless Survey; Watsonville, CA; Belfrage Inc., (2013, 2014, 2015), 2013, 2014, & 2015 Southern Nevada Homeless Survey; Las Vegas, NV



National Human Services Data Consortium 2016 Spring Conference Los Angeles, CA April 13-14, 2016

Landscape of Data Integration in Clark County

- Collaborative projects emerging:
 - Safety and Justice Challenge
 - Justice and Mental Health Collaborative

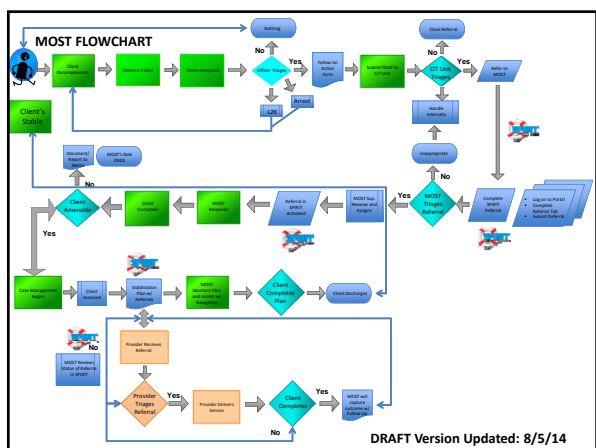


National Human Services Data Consortium 2016 Spring Conference Los Angeles, CA April 13-14, 2016

Mobile Outreach Safety Team MOST

- Team
 - Law Enforcement
 - Behavioral Health
- Purpose
 - Modified Assertive Community Treatment (ACT)/ Intensive Case Management (ICM)
- Criteria
 - Four (4) or more Legal 2000 (L2K) holds within a six (6) month period
 - Crisis Intervention Team (CIT) Unit verifies the referral is appropriate
 - Law Enforcement conducts an After Action Form

- County Government
- Private Technology Firm
- To individuals with a mental health condition
- Who come in contact with Law Enforcement



National Human Services Data Consortium | Advancing a Technology Culture in Human Services | **2016 Spring Conference** | Los Angeles, CA | April 13-14, 2016

Clark County FUSE Purpose

- Clark County Detention Center is Overcrowded
- Clark County Lacks a Cross-Sector Communication Mechanism/ Data Sharing MOU
- Convene the Criminal Justice System and the Continuum of Care to Address Frequent Users
- Develop a Supportive Housing Plan for Frequent Users of the Criminal Justice System

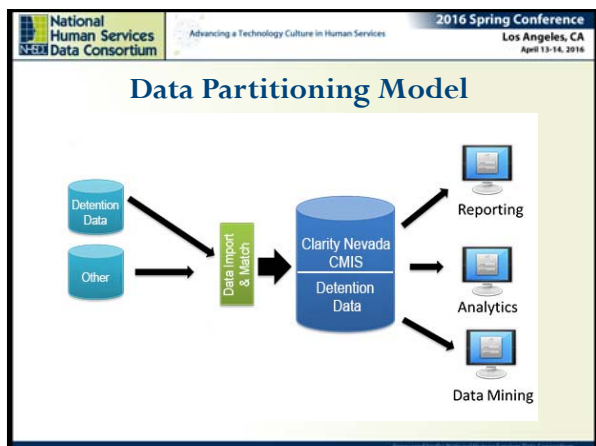
National Human Services Data Consortium | Advancing a Technology Culture in Human Services | **2016 Spring Conference** | Los Angeles, CA | April 13-14, 2016

Frequent Users Use ALL the Systems

National Human Services Data Consortium | Advancing a Technology Culture in Human Services | **2016 Spring Conference** | Los Angeles, CA | April 13-14, 2016

Where we are in the FUSE Blueprint

Data-Driven Problem-Solving	Policy and Systems Reform	Targeted Housing and Services
Cross-system data match to identify frequent users	Convene interagency and multi-sector working group	Create supportive housing and develop assertive recruitment process
Track implementation progress	Troubleshoot barriers to housing placement and reentry	Recruit and place clients into housing, and stabilize with services
Measure outcomes/impact and cost-effectiveness	Enlist policymakers to bring FUSE to scale	Expand model and house additional clients



- ### Data Partitioning Model
- Single System of Import
 - Real-Time appending of Data to client file privately
 - Community Queue potential integration for FUSE
 - Secure Partitioning of Detention Data – Private Data
 - Clients can be tagged as “FUSE” (Development needed)

- ### Data Matching
- SSN, Date of Birth, Last Name, First Name
 - Jaro-Winkler Algorithm for close matches
 - Partitioning Model: Data imported set to be Private. No other agency will have access.
 - XML based data required for Import

National Human Services Data Consortium | Advancing a Technology Culture in Human Services | **2016 Spring Conference**
Los Angeles, CA
April 13-14, 2016

What we hope to gain from FUSE
...it's not just about housing clients

- **Increased collaboration** with the jail and other systems
- Opportunities to **engage other systems**
- A **better understanding** of the scope/the universe
- A more targeted way of **maximizing our limited resources**
- Get the data we need to make the case to **leverage resources** of other systems

National Human Services Data Consortium | Advancing a Technology Culture in Human Services | **2016 Spring Conference**
Los Angeles, CA
April 13-14, 2016

