DISRUPTING MASS INCARCERATION WITH DATA
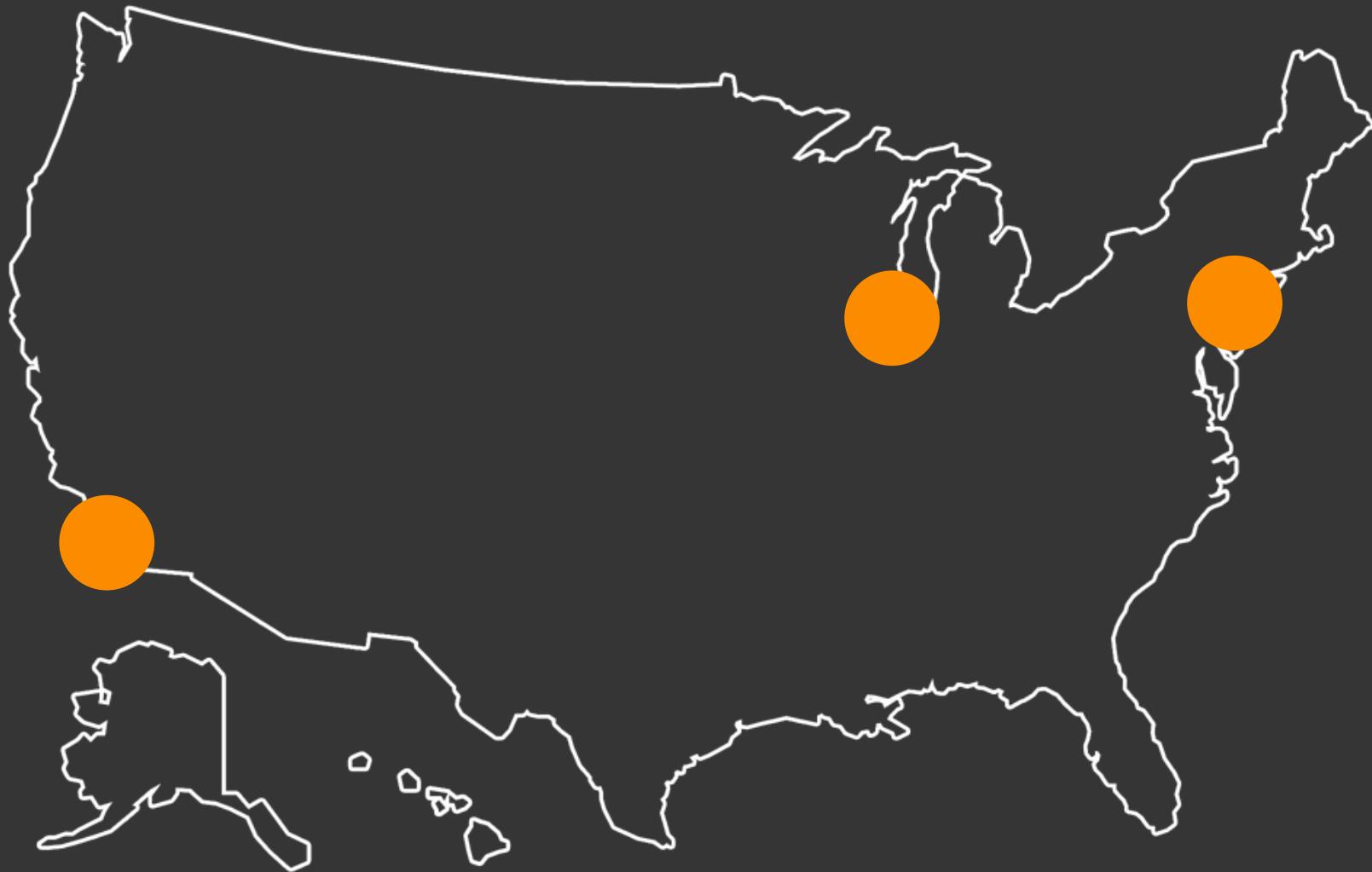
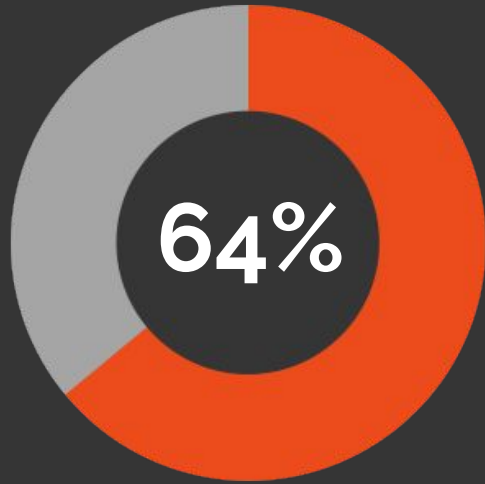**Kelly Jin**
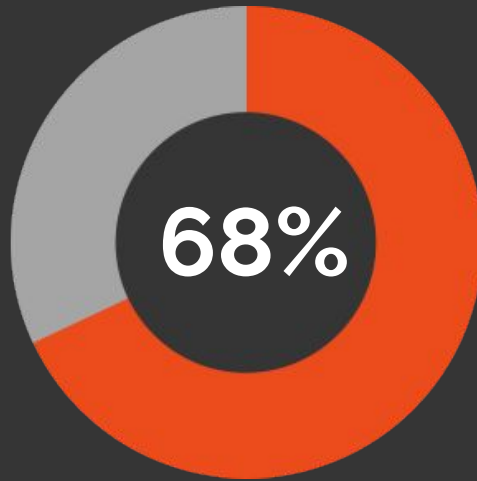
Every year, 11 million people cycle through 3,100 local jails, costing over $20B.

In local jails:
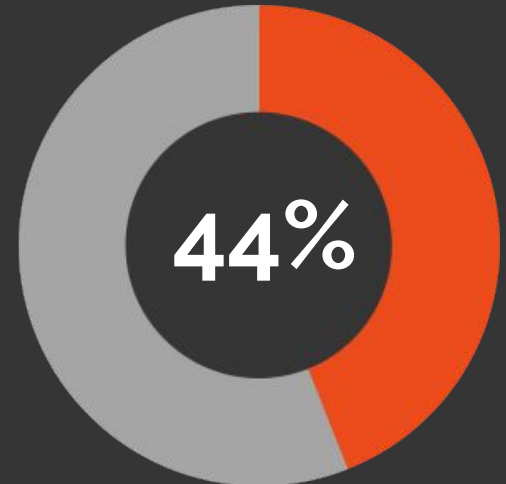
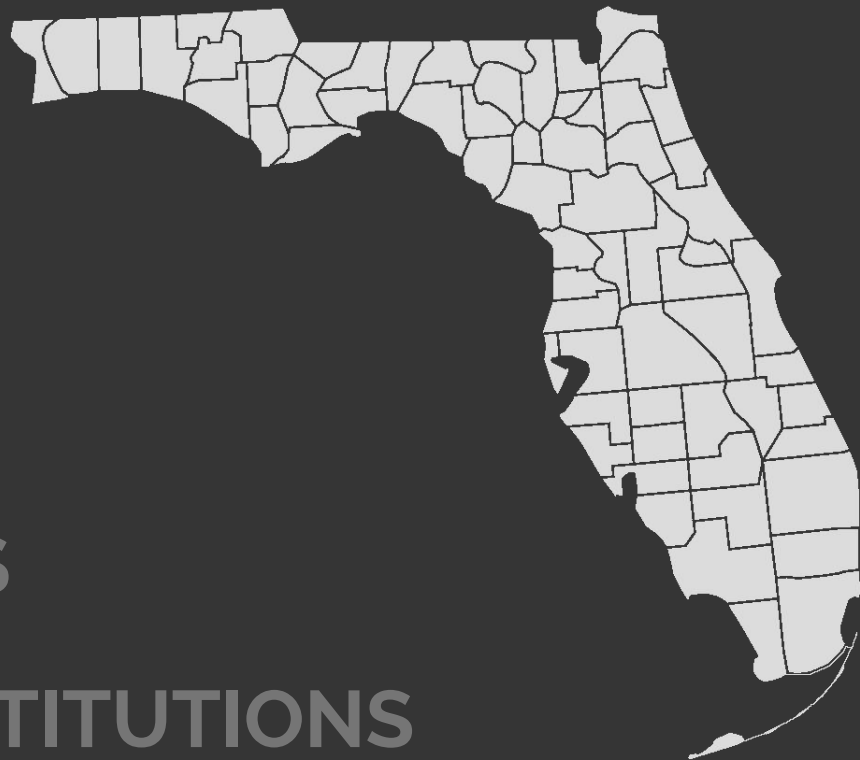64% have a mental illness

68% have a substance use disorder

44% have chronic health problems

MIAMI-DADE, FLORIDA

97 PEOPLE

$13.4M IN SERVICES

39,000 DAYS IN INSTITUTIONS

DATA-DRIVEN JUSTICE

143 communities using data-driven strategies to divert low-level offenders with mental illness

Acton, MA   Cambridge, MA   Detroit, MI   Hudson County, NJ   Lynn, MA   Pima County, AZ   Snohomish County, WA
Albany County, NY   Camden County, NJ   Doña Ana County, NM   Illinois   Maryland   Pinellas County, FL   Somerville, MA
Albany, NY   Carlisle, MA   Douglas County, KS   Indianapolis and Marion   McLean County, IL   Polk County, IA   Boston, MA
Allegany County, MD   Champaign County, IL   Douglas County, NE   Jefferson County, KY   Mecklenburg County, NC   Portland, ME   Suffolk County, NY
Allegheny County, PA   Charleston County, SC   Dracut, MA   Johnson County, IA   Mercer County, PA   Potter County, PA   Tewksbury, MA
Anne Arundel County, MD   Chelmsford, MA   Dunn County, WI   Johnson County, KS   Miami-Dade County, FL   Ramsey County, MN   Townsend, MA
Arapahoe County, CO   Clark County, NV   Eau Claire County, WI   King County, WA   Middlesex County, MA   Reading, MA   Travis County, TX
Arlington, MA   Clark County, NV   Eau Claire County, WI   King County, WA   Milwaukee County, WI   Rhode Island   Troup County, GA
Ashland, MA   Clark County   Everett, WA   Lafayette Parish, LA   County, NM   Utah
Bedford, MA   Coddington County, SC   Everett, WA   Lafayette Parish, LA   Montgomery County, AL   Rockingham County, VA   Wake County, NC
Berks County, PA   Colorado   Fairfax County, VA   LaGrange, GA   Montgomery County, MD   Roseau County, MN   Wakefield, MA
Bernard, MA   Connecticut   Fairfax County, VA   LaGrange, GA   Multnomah County, OR   Sacramento, CA   Walla Walla County, WA
Bexar County, TX   Connecticut   Franklin County, OH   Lane County, OR   New Orleans Parish, LA   Salt Lake City, UT   Washington, DC
Billerica, MA   Cook County, IL   Franklin County, PA   Lehigh County, PA   New York City, NY   Salt Lake County, UT   Watertown, MA
Birmingham, AL   Cuyahoga County, OH   Fulton County, GA   Leon County, FL   North Reading, MA   San Diego County, CA   Wayne County, MI

WITHOUT DATA, JURISDICTIONS ARE LEFT TO MAKE EDUCATED GUESSES

Stakeholder Buy-in → **Assist High-Utilizers** → **Build a Diversion Strategy** → **Initiate and Deliver Services**

MEASURE IMPACT, COSTS, AND SCALE

Actual data from 26 y/o female

POLICE

Date	Type	Information
9/24/2016	VICTIM	DISTURBANCE
6/16/2016	VICTIM	DOMESTIC DISPUTE
6/2/2016	INVOLVED PARTY	MENTAL HEALTH
2/25/2016	INVOLVED PARTY	INVOLUNTARY HOSP
12/30/2015	INVOLVED PARTY	SECTION 12
10/20/2015	INVOLVED PARTY	MISC
10/1/2015	VICTIM	UNARMED ROBBERY
6/20/2014	INVOLVED PARTY	OVERDOSE PSYCH
2/15/2014	DEFENDANT	DOMESTIC A&B
1/10/2014	INVOLVED PARTY	VOLUNTARY PSYCH
8/2/2013	INVOLVED PARTY	ATTEMPTED SUICIDE
12/30/2012	VICTIM	INDECENT A&B
9/19/2012	VICTIM	LARCENY

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EMS

Date	Type	Information
11/6/2016	INVOLVED PARTY	NON FATAL OD
9/17/2016	VICTIM	OVERDOSE
9/13/2016	VICTIM	OVERDOSE
8/12/2016	VICTIM	OVERDOSE
8/11/2016	INVOLVED PARTY	OVERDOSE
5/28/2016	INVOLVED PARTY	DRUG OVERDOSE
4/22/2016	VICTIM	OVERDOSE
3/29/2016	INVOLVED PARTY	OVERDOSE
3/25/2016	INVOLVED PARTY	OVERDOSE
8/3/2015	VICTIM	OVERDOSE
5/25/2015	INVOLVED PARTY	OVERDOSE
2/23/2013	INVOLVED PARTY	DRUG OVERDOSE
7/15/2012	SUSPECT	DRUG OVERDOSE
7/12/2012	INVOLVED PARTY	DRUG OVERDOSE

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Date	Type	Information
11/6/2016	INVOLVED PARTY	NON FATAL OD
9/24/2016	VICTIM	DISTURBANCE
9/17/2016	VICTIM	OVERDOSE
9/13/2016	VICTIM	OVERDOSE
8/12/2016	VICTIM	OVERDOSE
8/11/2016	INVOLVED PARTY	OVERDOSE
6/16/2016	VICTIM	DOMESTIC DISPUTE
6/2/2016	INVOLVED PARTY	MENTAL HEALTH
5/28/2016	INVOLVED PARTY	DRUG OVERDOSE
4/22/2016	VICTIM	OVERDOSE
3/29/2016	INVOLVED PARTY	OVERDOSE
3/25/2016	INVOLVED PARTY	OVERDOSE
2/25/2016	INVOLVED PARTY	INVOLUNTARY HOSP
12/30/2015	INVOLVED PARTY	SECTION 12
10/20/2015	INVOLVED PARTY	MISC
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8/2/2013	INVOLVED PARTY	ATTEMPTED SUICIDE
2/23/2013	INVOLVED PARTY	DRUG OVERDOSE
12/30/2012	VICTIM	INDECENT A&B
9/19/2012	VICTIM	LARCENY
7/15/2012	SUSPECT	DRUG OVERDOSE
7/12/2012	INVOLVED PARTY	DRUG OVERDOSE

Image courtesy of Lieutenant Dan Wagner, Cambridge Police Department

Case Study: Johnson County, KS & UChicago Data Science for Social Good

GOAL

Identify high-utilizers of EMS & mental health services, plus law enforcement encounters in the County

- Paramedic transport logs

- Jail bookings

- Court records

- Probation records

- Mental health case management

FINDINGS

A key predictor for someone on the list was being disconnect from MHS ~2 years since last contact

52%
went to jail in the next year

19 years
(7,000 days)
collective jail time served

$250K
per person
absolute minimum cost of jail services

Case Study: Iowa City

Alan ####, the man you referenced below, is very familiar to us. Mr. #### is homeless, an alcoholic, and has a number of health issues. He isn't very nice when he's drunk, but he is great to talk to when sober. Here's a picture of (sober) Alan and me having coffee in our downtown one morning. Ignore my double-chin. I'm working on my selfie skills.

Alan is one who causes us many, many issues. **Unfortunately, we just don't have a way to work with Alan...That's why you don't see him getting booked. We try to take him to our low barrier shelter when it is available, take him to get showered, but we rarely arrest him.**

If there was something that worked to help Alan we would do it, we just don't know what that is. So we respond to the 911 calls and do our best with what we have.

David