



# Illinois Data-Driven Health & Justice

"Superutilizers": Opportunities to Improve Outcomes & Reduce Costs

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### **National Estimates**

Condition	General Population	Jails	State Prisons
Mental Illness	18%	64%	56%
Serious Mental Illness	5%	15% (men) 31% (women)	10-25%
Drug and/or Alcohol Dependence or Abuse	8%	68%	53%
Co-occuring Substance Substance Abuse & Mental Health Disorder	25%	70%	n/a





### Capacity & Consequences

- Current levels of treatment are insufficient to meet the needs
  - Illinois Department of Corrections substance abuse treatment mirrors national estimates: While IDOC has identified about 80% of inmates with substance abuse/alcohol disorders, it provides treatment to about 30%.
- Programming is generally more expensive and less effective when administered in a correctional setting
  - Correctional systems often lack evidence-based programming
- Litigation-Driven Change
- Results in High Rates of Recidivism/Churning, Difficult Conditions, and Poor Public Safety Outcomes
  - Inmates are at elevated risk of death after they are released, particularly in their first two weeks.



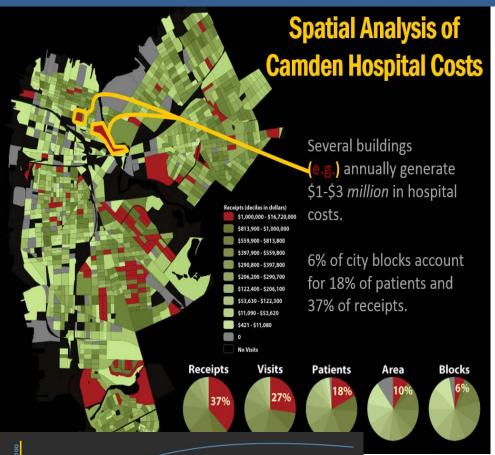


### Is this the Best We Can Do?

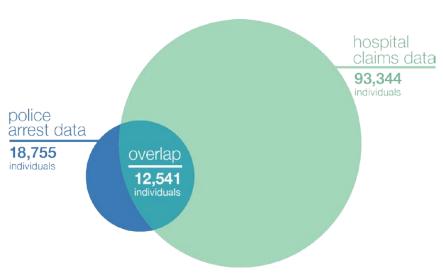
### The superutilizer should cause us to question

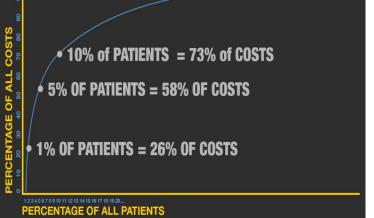
- Not not just how the criminal justice system can do its job better, but how it can do its job differently
  - Data-driven
  - 360 degree view
  - Reactive and predictive

### SCOUT & SCALE WHAT WORKS: REAL TIME USE OF DATA Camden, NJ



## Dual-System High Utilizers





205 individuals were identified to be dual-system high utilizers (10+ ED visits & 6+ police encounters over five years).

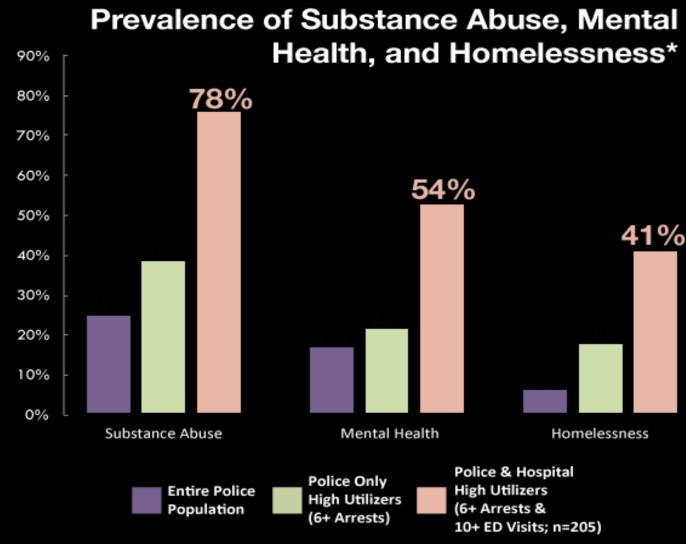
### SCOUT & SCALE WHAT WORKS: REAL TIME USE OF DATA Identify Unseen Opportunities to Intervene

#### Risk of police encounter

- 2.7x more likely if you visit the Emergency Department 5 times in a year (3.8x for women).
- 1.5x more likely if you have a substance abuse related hospital visit (2.0x for women).
- 1.8x more likely if you visit the hospital with a violence-related diagnosis (2.5x for women).

### ~60% of Police & Hospital High Utilizers

have at least one substance-abuse related hospitalization prior to their first encounter with the police department.

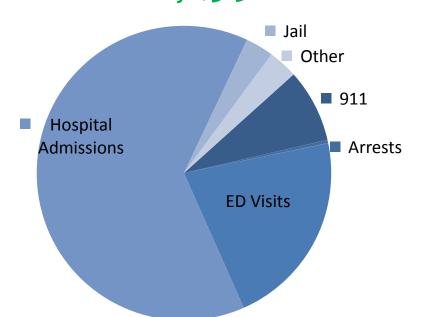


\*Substance abuse and mental health were identified through diagnosis codes from hospital encounters. Homelessness was identified through address data from both hospital and police records. All three are likely to be underreported in the data.

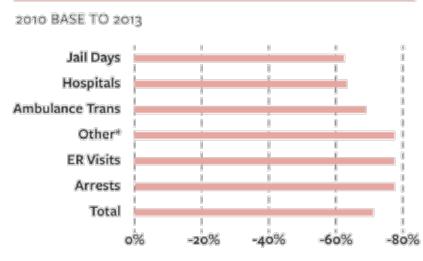


### Project 25: Housing First, Health Home for Serious Mentally III and Chronically Homeless

In 2010, 28 people cost the community **\$3.5 million** 







\*Includes: Crisis House, detox centers, homeless shelters, legal assistance, Psychiatric Emergency Response Team

- Total Cost Savings = \$3.7 million over 2 years (net ROI of 207% in 2012 and 262% in 2013)
- All Project 25 individuals **housed** in their own apartments, have acquired **health care** insurance, and are receiving necessary **supportive services and care** on an ongoing basis.

### (SOME OF THE) DATA CHALLENGES

SILOED DATA

**MANUAL ENTRY** 

**PRIVACY** 

**INTEGRATION** 

**LEGACY SYSTEMS** 

A SCALABLE TECH SOLUITION