Achieving Higher Quality Through Evidence-Based Practices

Kelly Jin Laura and John Arnold Foundation @postkxj





CITY of BOSTON BOSTONIA

Employee Demographics

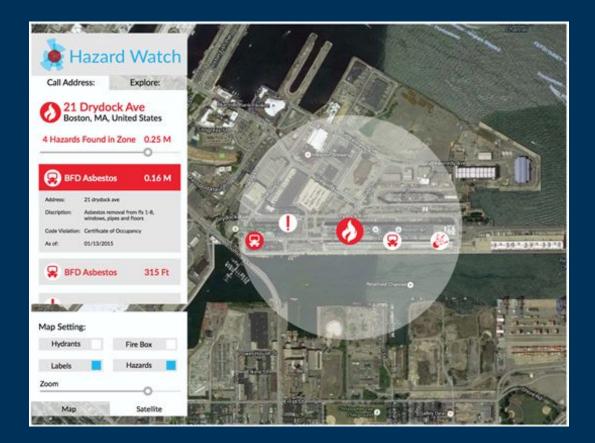
- Years

- Years

Hispanic – Pacific + White | Last Updated: January 20, 2017

	ler								Annual I	Rate			Tenure
Overall	M	lale 4	5.9%		Fema	le 54.	1%	275K				70	
By Annual	l Rate							250K				60	
0 - 201		8.9%			71.1%			225K				99	
20 - 40		35.1%			64.9			200K					
40 - 60		46.5	%			53.5%		2008				50	
60 - 80			.8%			47.2%		175K					
80 - 100	k	53	.0%			47.0%		150K				40	
> 100	k	50.	1%			49.9%		JOUN					
								125K				30	
By Ethnic	Group							100K				30	
American Ind	d	39.5%			60	.5%		100K					
Asiar	n	36.3%			63.	7%		75K -				20	
Black	k 📃	43.29	6		5	6.8%							
Hispanic	c	37.1%			62.	9%		50K				10	
Pacific	c	38.9%			61.	.1%		25K					
White	e	50.	5%			49.5%						0	
	100							UK					
Unspecified		33.5%			66.5	%		ОК	Male	Fem	ale	U	Male
			Hispan	. Asian	66.5 Unspe		Pacific	275K	 Male Annual I		ale	70	Male
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Unspecified Ethni Overall	City ^{White}	Black			Unspe	Americ		275K 250K 225K 200K 175K			ale 	70 60 50	
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Unspecified Ethni Overall By Annual	City White 53.6% Rate White	Black 28.1% Black	12.2% Hispan	4.1%	Unspe	Americ	0.1%	275K 250K 225K 200K 175K 150K 125K				70 60 50 40	
Unspecified Ethni Overall By Annual 0 - 20k	City white 53.6% Rate White 32.1%	Black 28.1% Black 40.7%	12.2% Hispan 16.6%	4.1%	Unspe	Americ 0.2%	0.1%	275K 250K 225K 200K 175K 150K 125K 100K				70 60 - 50 - 40 - 30 - 20 -	
Unspecified Ethni Overall By Annual	City White 53.6% Rate White	Black 28.1% Black	12.2% Hispan	4.1%	Unspe 1.7% Unspe 6.3%	Americ	0.1% Pacific 0.2%	275K 250K 225K 200K 175K 150K 125K 100K 75K 50K 25K				70 60 50 40 30 20	
Unspecified Ethni Overall By Annual 0 - 20k 20 - 40k	City White 53.6% Rate White 32.1% 32.7%	Black 28.1% Black 40.7% 40.8%	Hispan 16.6% 20.9%	4.1% Asian 3.8% 3.2%	Unspe 1.7% Unspe 6.3% 1.9%	Americ 0.2%	0.1% Pacific 0.2% 0.2%	275K 250K 225K 200K 175K 150K 125K 100K 75K 50K 25K 0K		Rate	Ţ	70 60 50 40	
Unspecified Ethni Overall By Annual 0 - 20k 20 - 40k 40 - 60k	City White 53.6% Rate White 32.1% 32.7% 50.4%	Black 28.1% Black 40.8% 31.2%	Hispan 16.6% 20.9% 12.8%	4.1% Asian 3.8% 3.2% 4.5%	Unspe 1.7% 6.3% 1.9% 1.0%	Americ 0.2% Americ 0.3% 0.2% 0.1%	Pacific 0.2% 0.1%	275K 250K 225K 200K 175K 150K 125K 100K 75K 50K 25K 0K		Rate	Ţ	70 60 50 40	
Unspecified Ethni Overall By Annual 0 - 20k 20 - 40k 40 - 60k 60 - 80k	City White 53.6% Rate White 32.1% 32.7% 50.4%	Black 28.1% Black 40.7% 40.8% 31.2% 22.1%	Hispan 16.6% 20.9% 12.8% 10.4%	4.1% Asian 3.8% 3.2% 4.5% 4.8%	Unspe 1.7% 6.3% 1.9% 1.0% 1.3%	Americ 0.2% Americ 0.3% 0.2%	0.1% Pacific 0.2% 0.2% 0.1% 0.1%	275K 250K 225K 200K 175K 150K 125K 100K 75K 50K 25K 0K				70 60 50 40	

ears	Full-Time71.5%Part-Time4.9%Temporary23.6%
	Click to filter. Click again to release filter.
	Filter by Service Date All values
	BPS - Boston Public Schools COB - City of Boston
	Search by Department Name
	Filter by Department
	BPS - Accountability
	BPS - Achievement Gap
	BPS - Alighieri Montessori School
	BPS - Asst Superintendent-Network A
	BPS - Baldwin ELC
	BPS - Boston Collaborative High Sch
	BPS - BPS Adams Elementary
Female	BPS - BPS Adult Education
	BPS - BPS Alternative Education BPS - BPS Alternative Education HS
ears	BPS - BPS Another Course To Colleg
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T	BPS - BPS Bates Elementary
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	BPS - BPS Blackstone Elementary
	BPS - BPS Boston Arts Academy
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	BPS - BPS Boston Evening Academy
	BPS - BPS Boston International HS
	BPS - BPS Boston Latin
Т	BPS - BPS Boston School Committee
	BPS - BPS Bradley Elementary
_	BPS - BPS Brighton High
	BPS - BPS Burke High
	BPS - BPS Business Service
	BPS - BPS Carter Center
Pacific White - scified	BPS - BPS Channing Elementary
Pacific - White - Unspecified -	Please note: The information displayed on this page was collected pursuant to and consistent with Federal EEOC rules and requirements.







Improving quality of life.

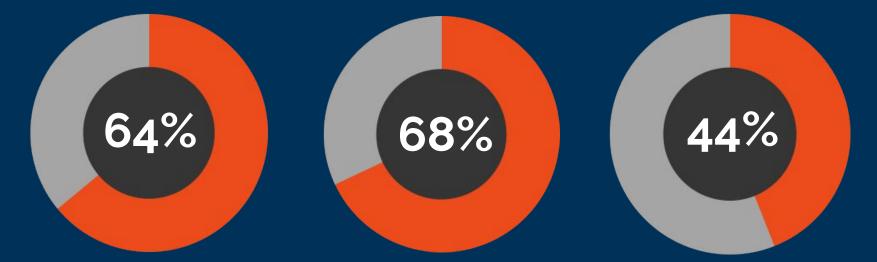






Every year, 11 million people cycle through 3,100 local jails, costing over \$20B.

In local jails:



have a mental illness have a substance use disorder have chronic health problems U.S. Department of Justice Office of Justice Programs

Revised, 12/14/06, tld



Bureau of Justice Statistics Special Report

September 2006, NCJ 213600

Mental Health Problems of Prison and Jail Inmates

Doris J. James and Lauren E. Glaze BJS Statisticians

At midyear 2005 more than half of all prison and jail inmates had a mental health problem, including 705,600 inmates in State prisons, 78,800 in Federal prisons, and 479,900 in local jails. These estimates represented 56% of State prisoners, 45% of Federal prisoners, and 64% of jail inmates. The findings in this report were based on data from personal interviews with State and Federal prisoners in 2004 and local jail inmates in 2002.

Mental health problems were defined by two measures: a recent history or symptoms of a mental health problem. They must have occurred in the 12 months prior to the interview. A recent history of mental health problems included a clinical diagnosis or treatment by a mental

Highlights

High prevalence of mental health problems among prison and jail inmates

	Percent of inmates in					
	State	prison	Local jail			
Selected characteristics	With mental problem	Without	With mental problem	Without		
Criminal record	907 		25			
Current or past violent offense	61%	56%	44%	36%		
3 or more prior incarcerations	25	19	26	20		
Substance dependence or abuse	74%	56%	76%	53%		
Drug use in month before arrest	63%	49%	62%	42%		
Family background						
Homelessness in year before arrest	13%	6%	17%	9%		
Past physical or sexual abuse	27	10	24	8		
Parents abused alcohol or drugs	39	25	37	19		
Charged with violating facility rules*	58%	43%	19%	9%		
Physical or verbal assault	24	14	8	2		
Injured in a fight since admission	20%	10%	9%	3%		

U.S. Department of Justice Office of Justice Programs





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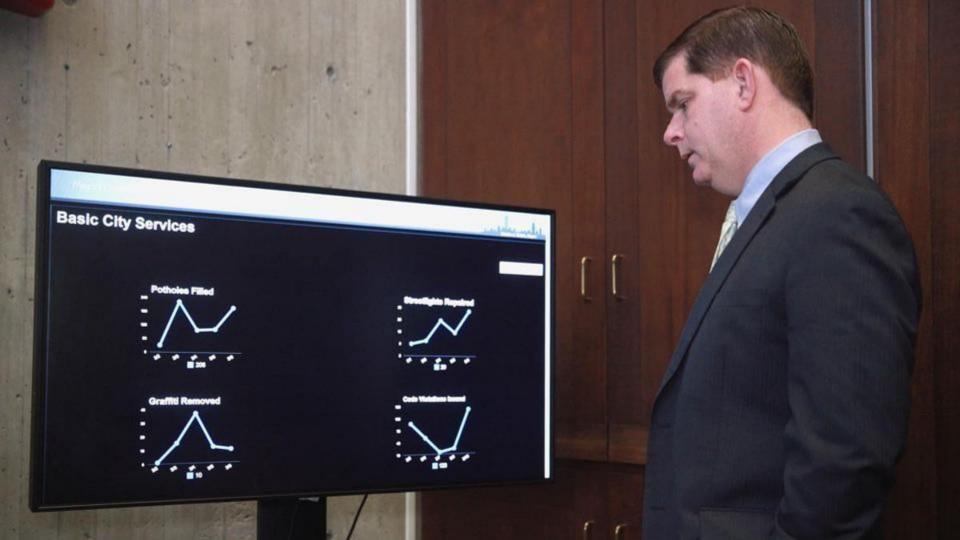
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Learn about ways to make sense of what we ¹ already know and how it supports policies and procedures for improved outcomes......

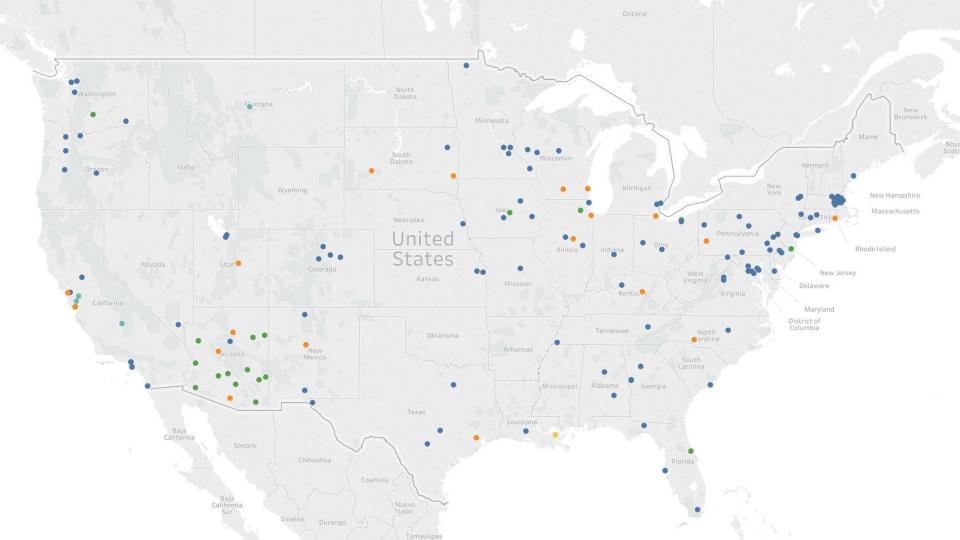


Identify "what works."



2

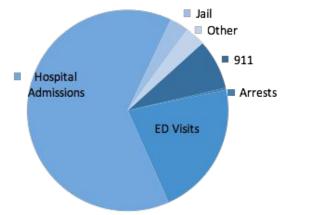
Measure, test, and scale "what works."



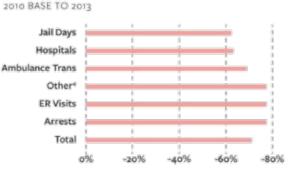
SCOUT & SCALE WHAT WORKS: PROACTIVE INTERVENTION, REALIGN EXISTING SERVICES San Diego, CA

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

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



Project 25's Impact on Public Service Expenses



*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.



Start with the data.

	Actual data from 26 y/o female							
			Information				1. Common Marco	
	9/24/2016	VICTIM	DISTURBANCE		Date Type	a training of the second second second	Information	
	6/16/2016	VICTIM	DOMESTIC DISPUTE		11/6/2016 INVO	where a subscription of the second	Contract on party of the schedule of the schedule of the	-
	6/2/2016	INVOLVED PARTY	MENTAL HEALTH		9/24/2016 VICT		DISTURBANCE	-
ш	2/25/2016	INVOLVED PARTY	INVOLUNTARY HOSP		9/17/2016 VICT		OVERDOSE	-
ö	12/30/2015	INVOLVED PARTY	SECTION 12		9/13/2016VICT		OVERDOSE	-
	10/20/2015	INVOLVED PARTY	MISC		8/12/2016 VICT		OVERDOSE	-
POLI	10/1/2015	VICTIM	UNARMED ROBBERY		8/11/2016 INVO		and the second se	-
0	6/20/2014	INVOLVED PARTY	OVERDOSE PSYCH		6/16/2016 VICT		DOMESTIC DISPUTE	4
•			DOMESTIC A&B				MENTAL HEALTH	
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		INVOLVED PARTY			5/25/2015 INVO	OLVED PARTY	OVERDOSE	
()	and starting the local distances in the second seco	INVOLVED PARTY	And a state of the second s		6/20/2014 INVO	OLVED PARTY	OVERDOSE PSYCH	
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N	and the second s	INVOLVED PARTY			1/10/2014 INVO	OLVED PARTY	VOLUNTARY PSYCH	
	and the second s	INVOLVED PARTY	OVERDOSE		8/2/2013 INVO	DLVED PARTY	ATTEMPTED SUICIDE	
	8/3/2015		OVERDOSE		2/23/2013 INVO	OLVED PARTY	DRUG OVERDOSE	
		INVOLVED PARTY			12/30/2012 VICT	IM	INDECENT A&B	
		INVOLVED PARTY			9/19/2012 VICT	IM	LARCENY	
	7/15/2012		DRUG OVERDOSE		7/15/2012 SUSE	PECT	DRUG OVERDOSE	
					7/12/2012 INVO	OLVED PARTY	DRUG OVERDOSE	
	//12/2012	INVOLVED PARTY	DRUG OVERDOSE	1				

Courtesy of Lieutenant Dan Wagner, Cambridge Police Department

Engage data scientists.



Accelerate with technology.

Progress in Iowa

From: Matthew Tamayo [mailto:<u>matthew@thedataloom.com]</u> Sent: Wednesday, March 01, 2017 3:13 AM To: Julia Van Cleve Cc: David Schwindt Subject: Re: Update on Linking Iowa Data in Loom

Also we identified a couple of high utilizers in the data set you shared. Does this guy seem familiar?



Matthew,

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. <u>Unfortunately,</u> 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.

Dave Schwindt



From: Matthew Tamayo [mailto:<u>matthew@thedataloom.com</u>] Sent: Wednesday, March 01, 2017 3:13 AM To: Julia Van Cleve Cc: David Schwindt Subject: Re: Update on Linking Iowa Data in Loom

Also we identified a couple of high utilizers in the data set you shared. Does this guy seem familiar?



University of Iowa Health Care





2	First Name: ALAN, ALLLEN Last Name: Date of Birth: 05-27					
CFS Number	Involvement					
16056586, 16058178, 16059161, 16066926, 16067680, 16066810, 16064386, 1605495, 1606495, 16060156, 16065038	Reported By, Other					











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



Source: DATA-DRIVEN JUSTICE (DDJ) PROGRAM: CASE STUDY Operationalizing Solutions in Johnson County, Kansas (2016). Laura and John Arnold Foundation.

There are lessons to be learned and applied from a careful review of the experiences of people and communities.

Learn about ways to make sense of what we ¹ already know and how it supports policies and procedures for improved outcomes...... Listen to local and national needs.

> Identify "what works."

3

2

Measure, test, and scale "what works."



REQUEST FOR PROPOSALS:

Randomized Controlled Trials to Test Interventions for Frequent Utilizers of Multiple Health, Criminal Justice, and Social Service Systems

August 2017

2 Identify "what works."



Measure, test, and scale "what works."

One more thing...

Improving quality of life.

