# Mental Health and the Justice System in Durham County:

## Striving to understand associations between healthcare utilization and interactions with the justice system in Durham county

Duke S BASS CONNECTIONS

### Meta-Analysis of Medication-Assisted Treatment for Opioid Use Disorder

#### **Objective:**

Determine the efficacy of medicationassisted treatments (MAT) for opioid use disorder when initiated in carceral settings.

#### Methods:

- A systematic review of the Pubmed database for randomized controlled trials that used an agonist or partial agonist pharmacological agent as an intervention in carceral populations affected by opioid use disorder, measuring relapse outcomes at six months post-release.
- A mixed effects model was fitted to combined data evaluating the efficacy of any treatment and of methadone in particular, with study as a random effect.

Search Strategy [DRUG NAME(s)] =	Date	Results (after RCT filter applied)	After Abstract Screening	Included (total sample size)
methadone	11/7/2023	48	24	2 (n = 184)
buprenorphine	1/23/2024	25	3	1 (n = 140)
suboxone OR "buprenorphine with naloxone" OR "buprenorphine/nalo xone"	1/30/2024	57	0	0 (n = 0)
	TOTAL	130	27	3 (n = 324)

#### **Results and Conclusions:**

- respectively
- partial or full agonists.

## **Describing Our Familiar Neighbors: Cost and Demographics**

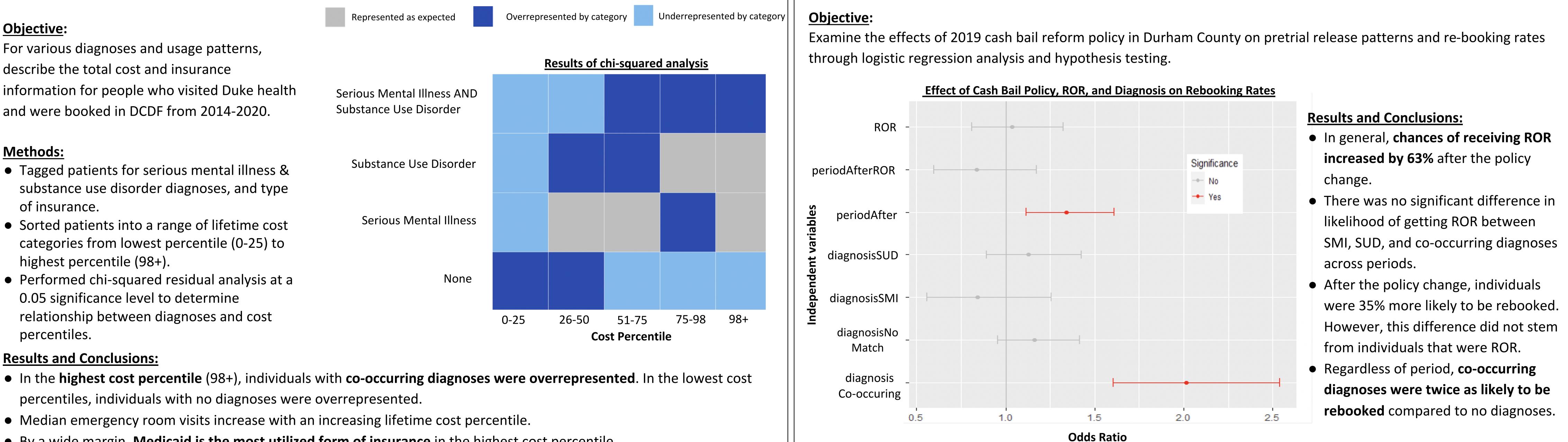
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<u>Objective</u> :	
For various diagnoses and usage patterns,	
describe the total cost and insurance	
information for people who visited Duke health	Serious Mer
and were booked in DCDF from 2014-2020.	Substance U
<u>Methods:</u>	C. J.
<ul> <li>Tagged patients for serious mental illness &amp;</li> </ul>	Substanc
substance use disorder diagnoses, and type	
of insurance.	
<ul> <li>Sorted patients into a range of lifetime cost</li> </ul>	Serious
categories from lowest percentile (0-25) to	
highest percentile (98+).	
<ul> <li>Performed chi-squared residual analysis at a</li> </ul>	
0.05 significance level to determine	
relationship between diagnoses and cost	
percentiles.	
<b>Results and Conclusions:</b>	
<ul> <li>In the highest cost percentile (98+), individuals</li> </ul>	, with <b>co-occur</b>

## • By a wide margin, **Medicaid is the most utilized form of insurance** in the highest cost percentile.

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• The odds of not relapsing, relative to controls, were 4.33 (95% CI = [1.677, 4.332] with any treatment and **4.13** (95% CI = [2.129, 8.374]) for methadone,

• More randomized-controlled trials needed, especially with non-methadone



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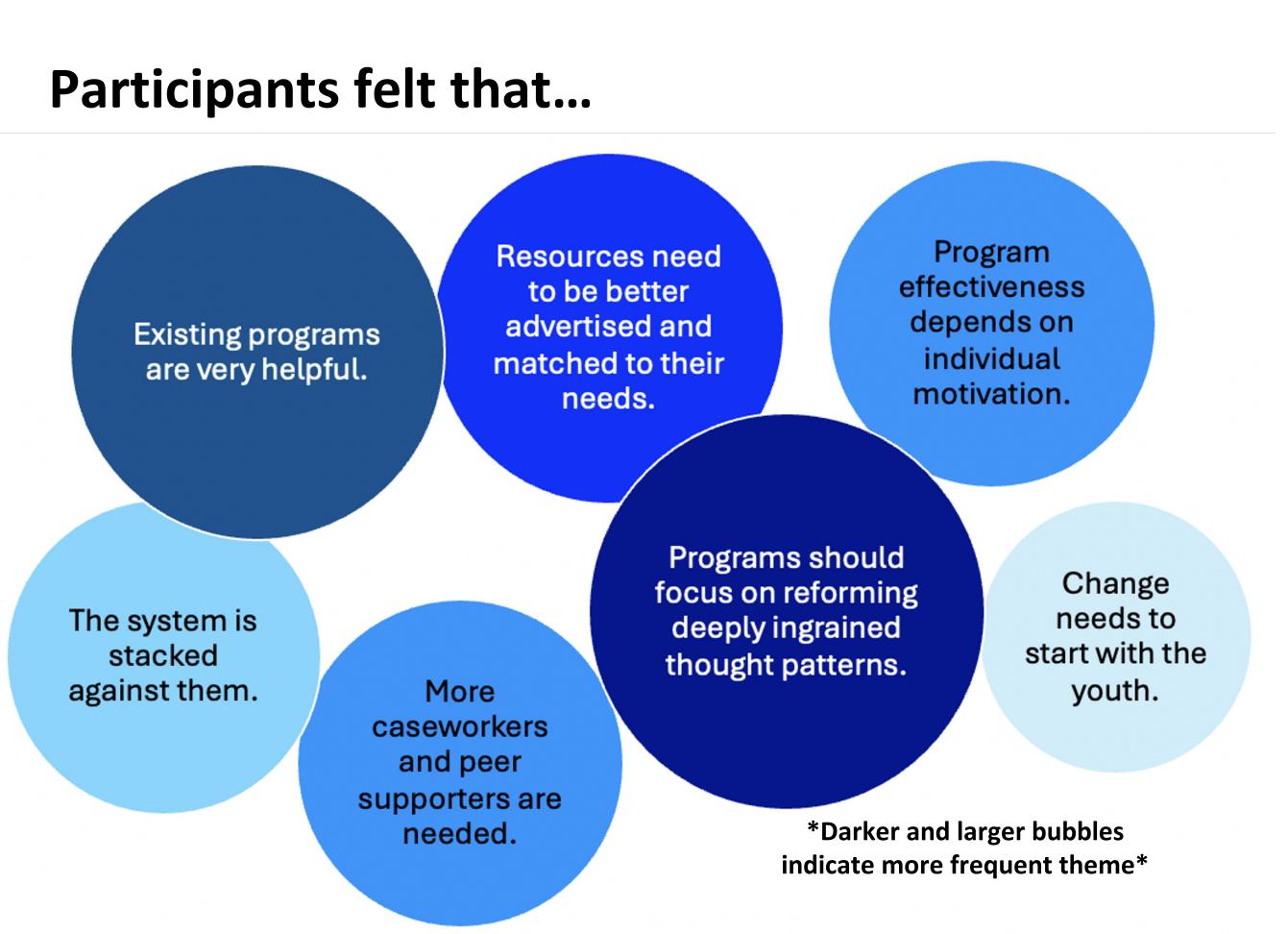
## Focus Groups with Justice-Involved Community Members

#### **Objective:**

To augment our team's quantitative data analysis with the perspectives of individuals with lived experience, ultimately seeking to evaluate existing county programs that assist people while incarcerated and upon re-entry.

#### **Methods:**

- Conducted 2 focus groups consisting of 8 and 5 participants, recruited by community partners at the Recovery Community of Durham.
- Extracted themes and frequency of theme occurrence from recordings of Focus Group A. Listened to Focus Group B to record the frequency of themes identified in A. Repeated this process starting with Focus Group B.



Next Steps: **Completing** additional focus groups, rigorously **analyzing** complete data, and **communicating** findings to stakeholders and participants.

## Cash Bail, Pretrial Release, and Re-bookings: A Policy Analysis



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