

# USING THE TOOLS YOU HAVE FOR DATA-DRIVEN DECISION MAKING

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# Agenda

- Developing a Data-Driven Approach
- Example: Using Data to Support Representation at First Appearance
- Making Due with Your Data

**What is one question that you are trying  
to answer with data to aid to your SJC  
work?**

# DEVELOPING A DATA-DRIVEN APPROACH

# Allegheny County's Approach

- Regular review of dashboards and ad-hoc analysis by strategy owners
- Quarterly internal review of strategy performance measures by SJC team
- Monthly review of ADP trends by SJC team
- Utilization of dashboards by frontline workers as necessary

# Allegheny County's Path to Data-Driven Decision Making

- Collaboration
  - Data sharing/interagency analysis
  - Practitioners and analysts partner
- Familiarizing stakeholders with data
- Investment in criminal justice analytics
- Developing tools and visualizations for decision makers and frontline workers

# USING DATA TO SUPPORT REPRESENTATION AT FIRST APPEARANCE

# Identifying a problem

- The majority of our jail population is awaiting action on a new case or probation violation. ([Holding status dashboard](#))
- Defendants who had a Pretrial release recommendation are sometimes still given monetary bond and spend a few days in jail before a bond modification hearing. ([Pretrial dashboard](#))
- Strategy: Representation might increase agreement of judge decisions with Pretrial ROR and non-monetary recommendations.



# Implementing a strategy

- Tracking representation at first appearance
  - Cumbersome database
  - Necessary to track in spreadsheet

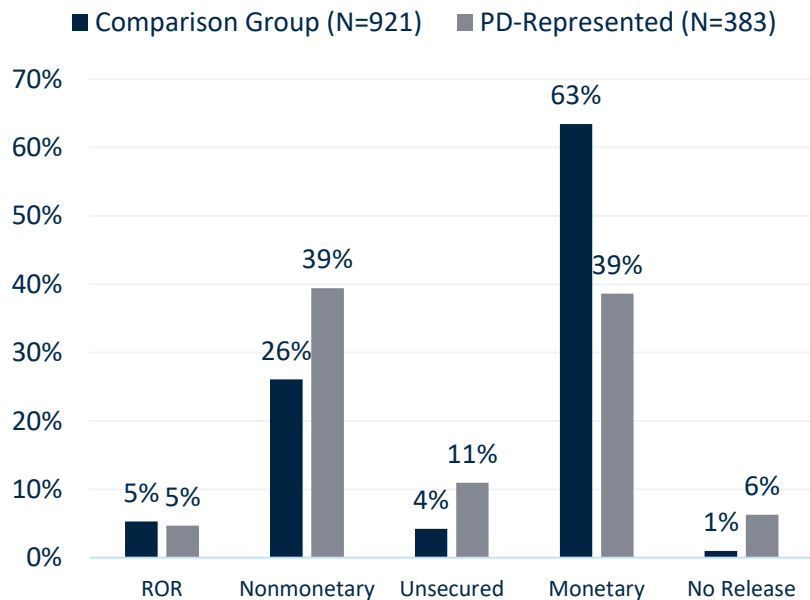
<u>Auto Time Stamp</u>	<u>Day of Month /Session</u>	<u>Attorney Last Name</u>	<u>Client Name (Last, First)</u>	<u>OTN</u>	<u>Pretrial Rec</u>	<u>Bond Set</u>	<u>Cash Amount</u>	<u>Comply</u>	<u>MDJ</u>	<u>Detainer?</u>	<u>FTAs</u>	<u>Prior Arrest #</u>	<u>Race</u>	<u>Violent Offense?</u>	<u>Discuss w/ Defendant?</u>	<u>Discuss w/ Magistrate?</u>	<u>Change Mind?</u>	<u>What Time did PD Discuss w/ MDJ</u>	<u>What Time was Video Arraignment</u>
8/1/19 9:29 AM	1_Over	xxxx	xxxx,xxxx	xxxx	NM	NM		Yes	xxxx	No	6	51	Black	No	Yes	Yes	Yes	4:15 AM	7:45 AM

# Monitoring a strategy

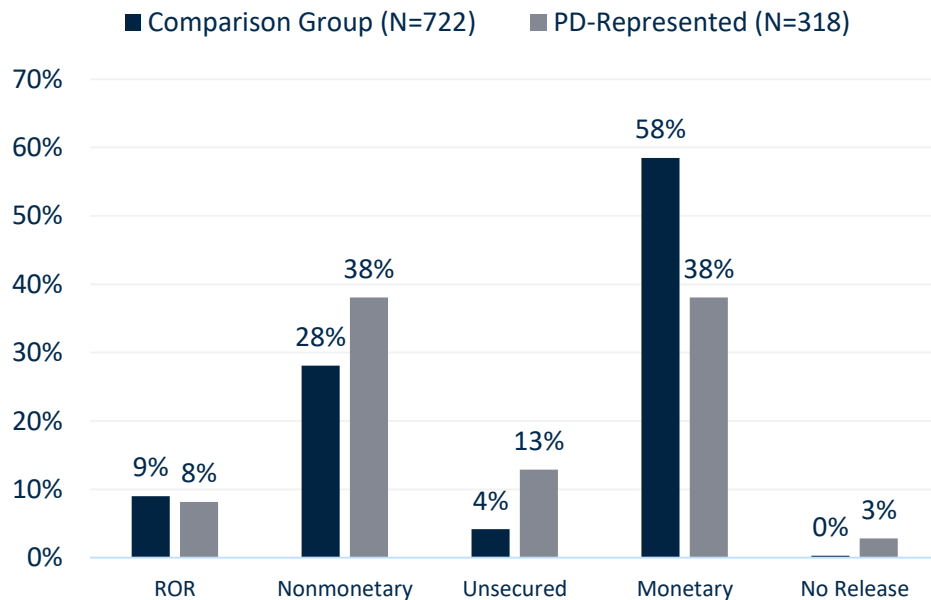
PD Representation Project Performance Measures					
Last Updated: 9/12/2019					
	PMC (Evening&Overnight)				
	Apr - May 2018	Apr - May 2019 (No PD)	Apr - May 2019 (PD)	June - Aug 2019 (no PD)	June - Aug 2019 (PD)
<b>Representation Coverage</b>					
Total Number of Arraignments	1,697	934	770	1,424	1,020
<b>% of Arraignments with PD Representation</b>			<b>45%</b>		<b>42%</b>
<b>Bail Decisions and Agreement with PreTrial</b>					
<b>Percent of Decisions that were Monetary Bonds</b>	62%	49%	38%	53%	39%
<b>Agreement with PreTrial Recommendation</b>	29%	37%	45%	31%	39%
<b>Jail Booking</b>					
<b>Overall Jail Booking Rate</b>	<b>22.98%</b>	<b>27.41%</b>	<b>22.21%</b>	<b>23.24%</b>	<b>19.51%</b>
<b>Impact on Jail Population</b>					
Percent Change in Booking Rate (PD vs. 2018)			-3%		-18%
Estimated LOS	25	25	25	25	25
Jail Bed Days	9750	6400	4275	8275	4975
Estimated Daily Population	160	105	70	91	54
<b>Change in Average Daily Population</b>			<b>15</b>		<b>-15</b>
Project Target Population	4620				
Project Goal	36				

# Monitoring a strategy

## Initial Bail Decisions for Black Defendants



## Initial Bail Decisions for White Defendants



# Solving implementation issues

- Why didn't the booking rate go down along with use of monetary bond?
- Increase in bookings for 1 day or less led to discussion with jail about intake practice

Booking Trends for Representation Project

	PMC (Evening & Overnight)		
	Apr - May 2018	Apr - May 2019 (No PD)	Apr - May 2019 (PD)
<b>Total Arraignments</b>	1,697	934	770
<b>Total Bookings</b>	390	256	171
Booked 1 Day or Less	45	64	47
Booked 2-3 Days	40	31	12
Booked 4-7 Days	47	23	19
Booked Over 7 Days	258	138	93
<b>Overall Booking Rate</b>	<b>22.98%</b>	<b>27.41%</b>	<b>22.21%</b>
<b>Percent Booked A Week or Less</b>	33.85%	46.09%	45.61%
<b>Percent Booked Over A Week</b>	66.15%	53.91%	54.39%

# External Validation

- RCT with RAND
  - Initial data show similar trend
- ISLG

# ACTIVITY

# Answering your question

- What data do you have available?
  - Database
  - Spreadsheet
  - Individual records
- Who can work with your data?
- Who is looking at your data?
  - Do people with firsthand knowledge vet results?
  - Is there a process to regularly review data
  - Do people looking at it understand it?

# Thank you



[SafetyAndJusticeChallenge.org](https://SafetyAndJusticeChallenge.org)