# DATA INTEGRATION Developing Dashboards and Advancing Data-Driven Decision Making October 12, 2017 SAFETY+JUSTICE CHALLENGE

# **Agenda**

- 1. Welcome and introduction
  - Urban Institute & ISLG
- 2. Allegheny County, PA
  - Kathryn Collins
- 3. Charleston County, SC
  - Kristy Danford
- 4. San Francisco, CA
  - Alissa Skog



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Why data integration?  Criminal justice "system"?		
	Fragmented and reactive     Numerous autonomous agencies     Case specific rather than problem-oriented and strategic     Heterogenous technology environments	
	Silos of data     Costly to share information     Full picture on any one issue is missing	
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## What do dashboards offer?

- Break silos
- Build common language/definitions
- Provide access to live or up to date information and data
- Offer user-friendly variation in level of details, to be used:
  - o At the operational level
  - o By inter-agency working groups
  - By leadership

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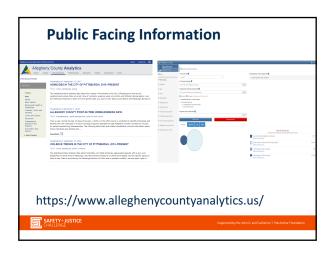
# ALLEGHENY COUNTY, PENNSYLVANIA SAFETY - JUSTICE CHALLENGE: CHALLE

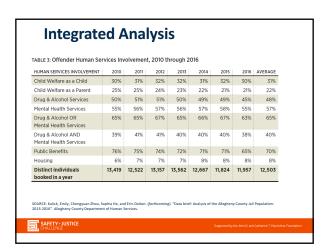
# **History of Data Sharing**

- 1. Integrated data warehouse
- 2. Public-facing information
- 3. Internal use
  - •Integrated analysis
  - Individual level information

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## **Internal Drivers**

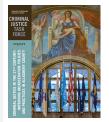
- Jail Collaborative
  - Reentry program
- Leadership in Courts and County
  - Pretrial Services created in 2007
  - Evidence-based practices in supervision
  - Collaborative projects (e.g., representation at first appearance, early termination of supervision, one judge policy)
- Focus on data driven decision-making
  - Internal CQI and QA processes

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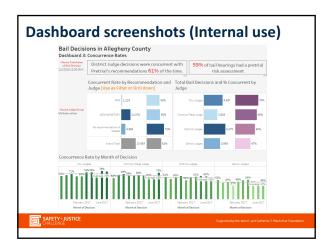
# **External Drivers**

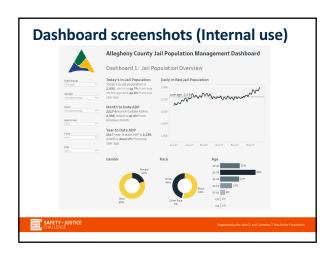
- Criminal Justice Task Force Key Recommendations
  - Appoint a panel to review progress implementing recommendations
  - Create criminal justice coordinator position
  - Build real-time data tools to manage the overall system



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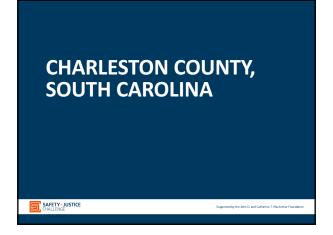
# Part 1: Diversion Dashboard 2: Bail Setting Dashboard 3: Bail Setting Dashboard 3: Recommendations from Pretrial Services Dashboard 3: Recommendations from Pretrial Services Dashboard 4: Concurrence Rates Part 3: Court Dashboard 6: Court Time to Disposition Dashboard 6: Court Time to Disposition Dashboard 7: Court and Supervision Fees Part 4: Jail Dashboard 7: Lail Repulation Overview Dashboard 9: Jail Capacity Dashboard 10: Jail Bookings Dashboard 11: Jail Releases and Length of Stay Dashboard 12: Alternative Housing (AH) Part 5: Offender Reentry Dashboard 13: Jail Collaborative Participant and Outcome Dashboard Dashboard 14: Probation Detainers Dashboard 14: Probation Detainers Dashboard 15: Caseload Trends



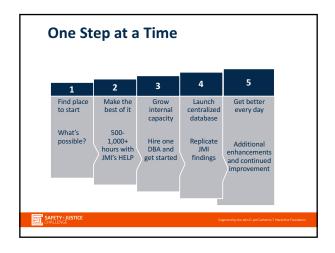


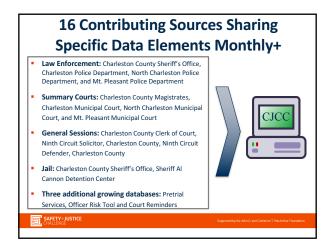






### Where we started... Data Use of Data Charge based Operations No consistent personal Outputs identifier Limited personnel to do Protected information Continuously changing analysis information Analysis rarely done Several old information systems doing their own things across information systems Interagency network





# Publications Annual report (2014-2016) and 2017 midyear Performance measures (SQL) Jail use Strategy specific Historic database for aggregated trend analysis Dashboards under development (Power BI) Expanded analysis and research (e.g. pretrial outcomes)

# Lessons Learned and Challenges Data will never be perfect. Do the best you can with what you've got and then keep improving. Wishes: Consistent PID and Always Accurate Data Entry Find creative solutions within challenging dynamics. Problem solve with the best sources (i.e., data and people) Triple+ check logic and findings Value the time it takes to digest and communicate findings. Overly complicated analysis may lead to little action Data is only as good as our ability to use it





# Data-Driven Prosecution DA Stat: Modeled on COMPSTAT, a performance management system that is used to reduce crime and achieve other department goals Incoming Filings Nov 2015-Dec 2016 Pelonies Misdemeanors MTR/MS Violations Total Total

## **Justice Dashboard**

- Project of the San Francisco Sentencing Commission, Recidivism Workgroup.
- Help policymakers better understand incarceration, supervision, and criminal justice system contact trends in San Francisco.
- Provide information to safely decrease jail usage, and reduce racial and ethnic disparities in San Francisco's criminal justice system.



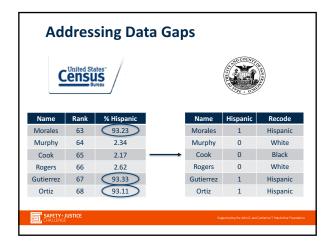
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## **Data Collection**

- The Justice Dashboard is populated with administrative data from the SFDA's case management and Sheriff's jail management systems.
- Utilize statistical software to minimize data challenges.

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# **Data Sharing / Integration**

- Dashboard enjoys high-level support through the Sentencing Commission.
- Partnership with UC Berkeley bridges capacity and technological constraints.
- All members sign a Data Use and Communications MOU to govern access to and use of the data during the pilot phase.

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# **Data Use**

- Multi-agency participation and review is critical for data quality control & confidence in the results.
- Use a pilot phase to demonstrate the benefit of the Dashboard and cultivate agency buy-in.

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Questions?	
SafetyAndJusticeChallenge org	