Data Strategy and Evaluation Seminar Series

DATA STRATEGY, PART 1

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HOUSEKEEPING/ZOOM

SEMINAR INTRODUCTION

What is CSAC and the Support Hub?

What will we cover in this series?

Why is the content we cover in this series important and useful?

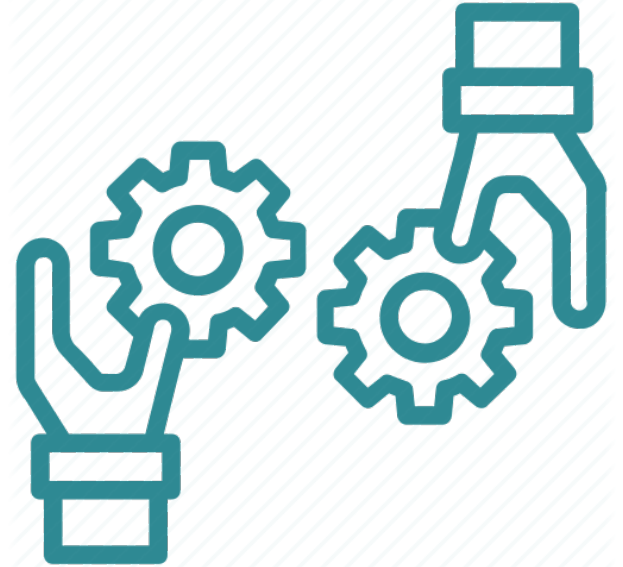How will we structure the seminars versus technical assistance?

What would we ultimately like to accomplish by the end of this series?

STRATEGIC FRAMEWORK FOR DATA-DRIVEN AND EVIDENCE BASED PRACTICE
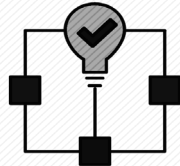
What is a strategic framework?

- A vision for where you would like to go and a map for how you plan to get there.
- Helps conceptualize the key components we may need to develop and how these components will build on each other over time to achieve that shared goal.

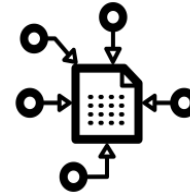# STRATEGIC FRAMEWORK FOR DATA-DRIVEN AND EVIDENCE BASED PRACTICE

Program Inventory & Literature Review

Logic Models & Process Maps

Contracting Practices

Data Strategy & Dashboards

Program Evaluation & Cost Benefit Analysis

Seminar Series 1: Programming

Seminar Series 2: Data Strategy and Evaluation

Data Strategy, Part 1

- Accessing County Data (Nov 2020)

Data Strategy, Part 2

- Accessing State Data (Jan 2021)

Data Strategy, Part 3

- Integrating County and State Data (Mar 2021)

Data Dashboards

- Visualizing Data (May 2021)

Outcomes Evaluation
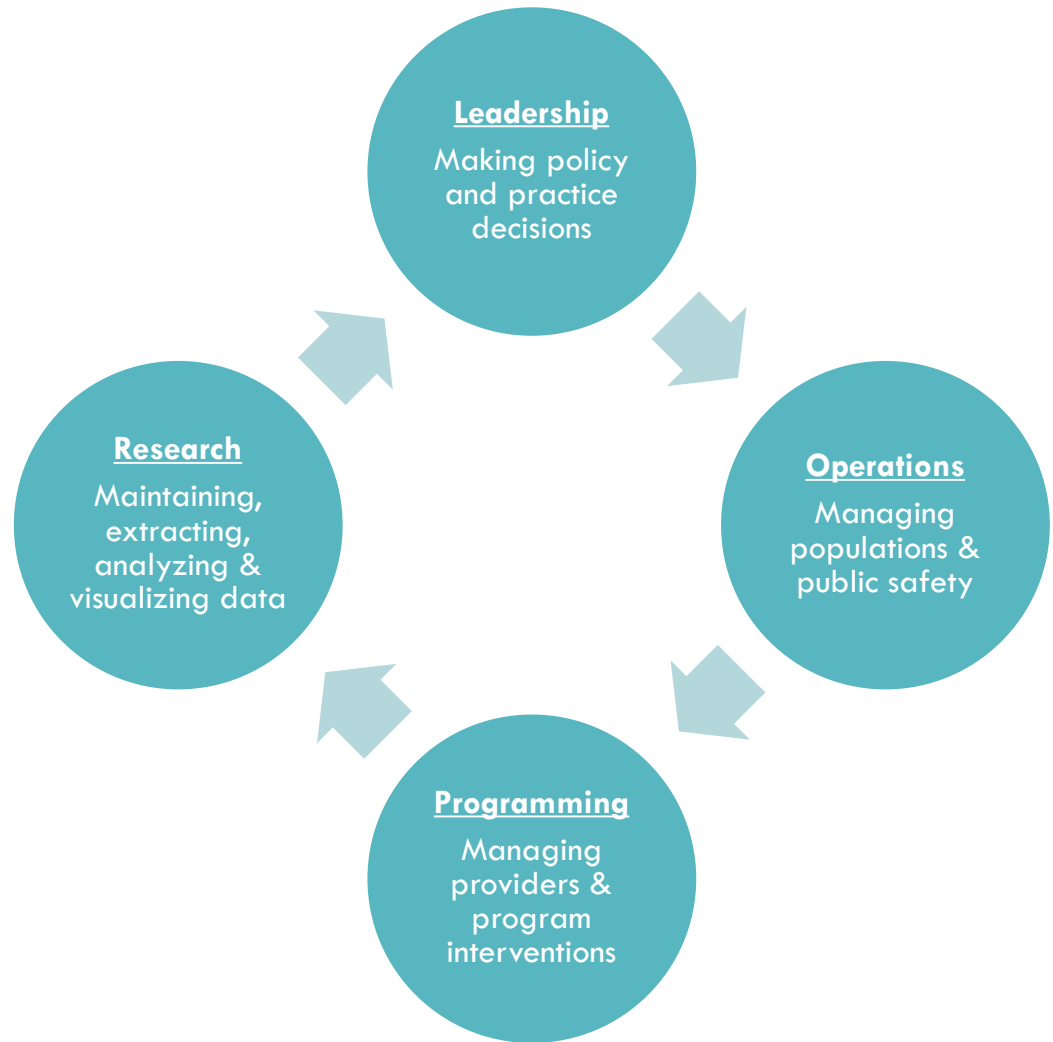
- Evaluating Program Outcomes (July 2021)

DATA & EVALUATION SERIES CORE COMPONENTS

WHAT IS DATA?

WORKING AS AN EVIDENCE-BASED PRACTICE TEAM

Leadership
Making policy and practice decisions

Operations
Managing populations & public safety

Programming
Managing providers & program interventions

Research
Maintaining, extracting, analyzing & visualizing data
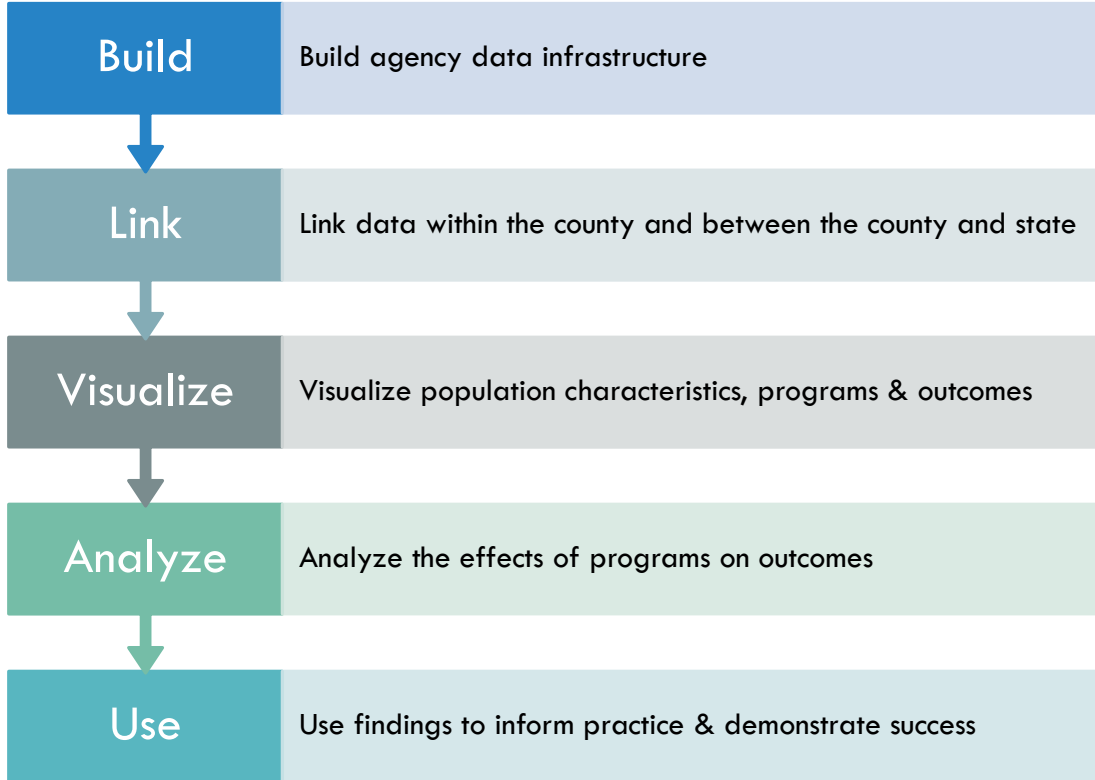
SUCCESS

Action

Strategy

Goal

Vision

PATH TO
DATA-DRIVEN
POLICY & PRACTICE

VISION

We can leverage data and evidence to improve public safety and reduce recidivism

GOALS

1) Improve agency-level policy & practice

2) Improve county-level policy & practice

3) Demonstrate success

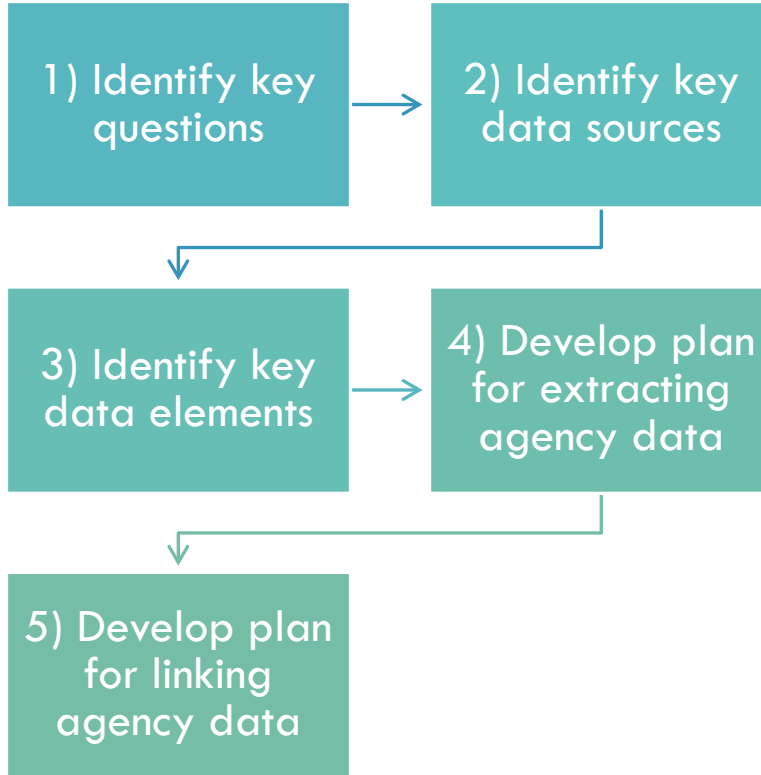| Build | Build agency data infrastructure |
Link	Link data within the county and between the county and state
Visualize	Visualize population characteristics, programs & outcomes
Analyze	Analyze the effects of programs on outcomes
Use	Use findings to inform practice & demonstrate success

STRATEGY

BUILDING COUNTY DATA INFRASTRUCTURE

The remainder of this seminar will focus on how to build county data infrastructure

We will:

- Walk through agency and county action steps
- Provide supporting materials
- Follow-up to provide technical assistance

1) Identify key questions → 2) Identify key data sources

3) Identify key data elements → 4) Develop plan for extracting agency data

5) Develop plan for linking agency data

BUILDING COUNTY DATA INFRASTRUCTURE

1) IDENTIFY KEY QUESTIONS

POPULATION CHARACTERISTICS

What are the demographic characteristics of our population?

➤ How are they changing over time?

What are their criminal history characteristics?

➤ What are their risks and needs?

PROGRAMMATIC INTERVENTIONS

Is population in need connecting with the appropriate programs?

➢ Are they completing programs?

Do our available programs align with population risks & needs?

➢ Should we change program targeting?

➢ Should we add new programs?

RECIDIVISM OUTCOMES

What are the recidivism outcomes of our population?
- ➢ How do they vary across groups?
- ➢ How are they changing over time?

Are our programs reducing recidivism?
- ➢ Which programs are most effective?
- ➢ Which are cost-effective?
- ➢ Should we shift resource allocations?

2) IDENTIFY KEY DATA SOURCES

KEY DATA FALL INTO 3 BUCKETS

Characteristics
- Demographic characteristics
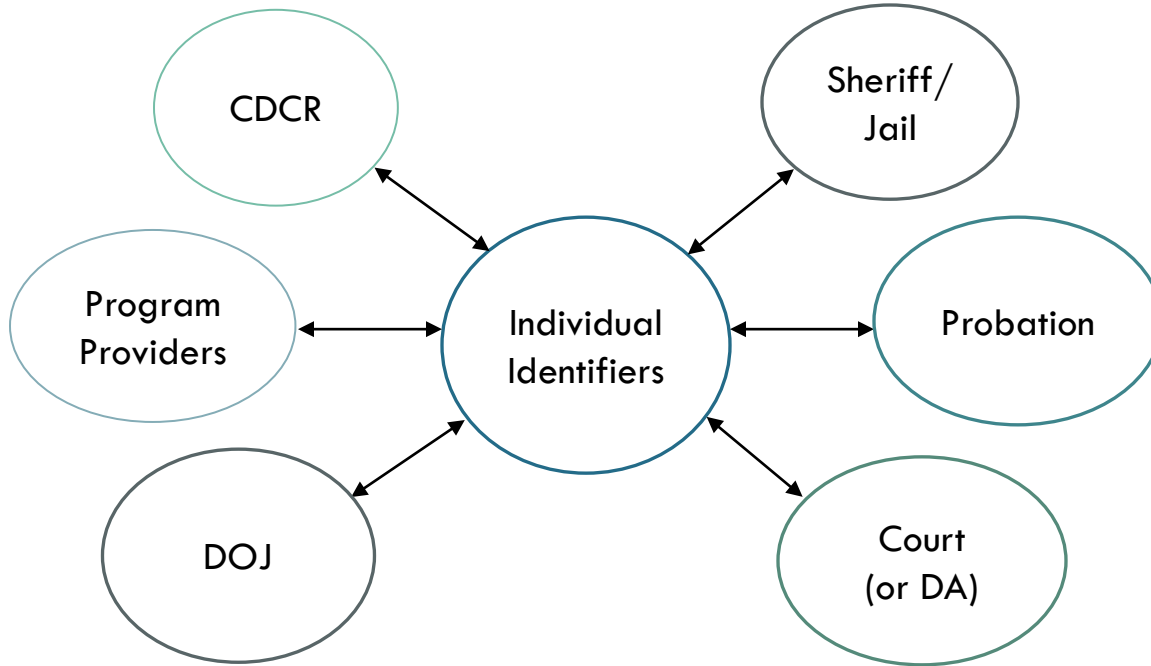- Criminal history characteristics
- Risks & needs

Interventions
- Programs & services
- Correctional sentences & sanctions

Outcomes
- Returns to custody & revocations
- Rearrests & reconvictions
- Additional reentry outcomes

KEY DATA ARE HELD WITHIN THESE DOMAINS
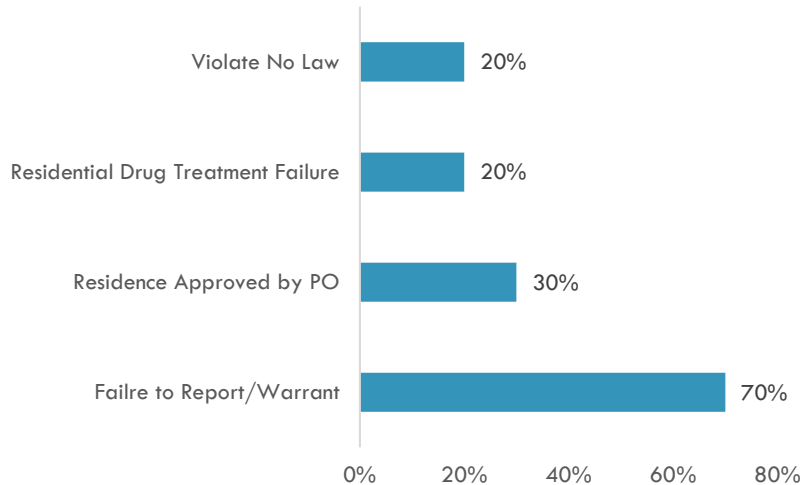
SAMPLE QUESTIONS: IDENTIFY DATA DOMAINS

- What percent of probationers are booked into jail within one year of release?

- What are the most common booking types?

- How much jail space do probationers occupy?

Corresponding Data Domains

➢ Link data from Jail & Probation

EXAMPLE: MINING TECHNICAL PROBATION VIOLATIONS AND ASSESSING JAIL IMPACT

Terms and Conditions Violated, Percent of Petitions

Category	Percent
Violate No Law	20%
Residential Drug Treatment Failure	20%
Residence Approved by PO	30%
Failre to Report/Warrant	70%

0%   20%   40%   60%   80%

15% of Jail ADP, and average length of stay of 26 days

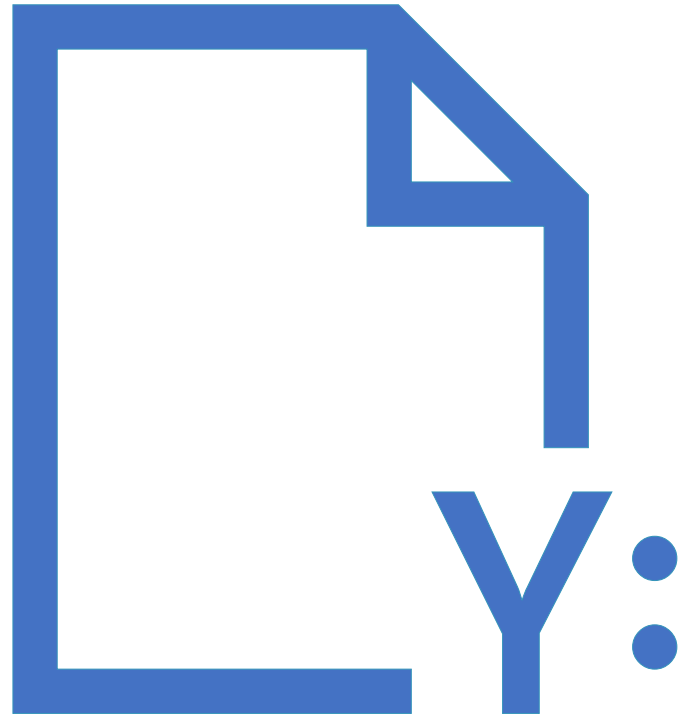*Leads to discussion about alternative responses and strategies to increase probation engagement*

Q&A

3) IDENTIFY KEY DATA ELEMENTS

DRAWING ON PROBATION & JAIL DATA TO ADDRESS SAMPLE QUESTIONS

Sample Questions

- What percent of probations are booked into jail within one year?

- What are the most common booking types?

- How much jail space do probationers occupy?

Probation Data

- Individuals under supervision
- Supervision population groups
- Supervision start & end dates

Jail Data

- Individuals booked into jail
- Booking date & type
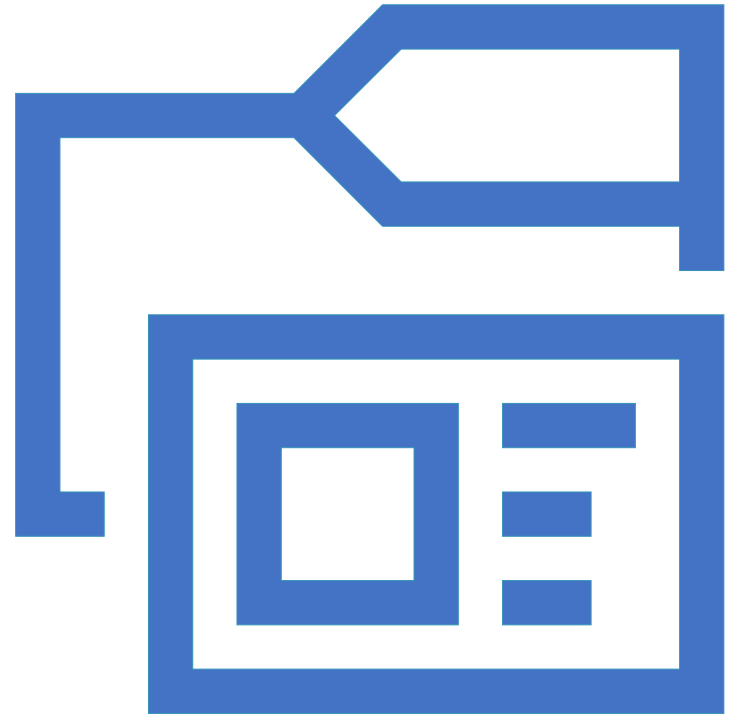- Release date

PROBATION DATA CODEBOOK

Variable Name	Variable Description	Values
CII	State identifier	8-digit number
LOCALID	Local identifier	Determined locally
SUP_NUM	Supervision episode identifier	Determined locally
SUP_START_DATE	Supervision episode start date	MM/DD/YYYY
SUP_END_DATE	Supervision episode end date	MM/DD/YYYY
SUP_TYPE	Supervision population group	PRCS Mandatory Supervision Felony Probation Misdemeanor Probation Other

JAIL DATA CODEBOOK

Variable Name	Variable Description	Values
CII	State identifier	8-digit number
LOCALID	Local identifier	Determined locally
BOOK_NUM	Booking episode identifier	Determined locally
BOOK_DATE	Booking date	MM/DD/YYYY
BOOK_TYPE	Booking type	Fresh Arrest Warrant Parole Violation Probation Violation Flash Incarceration Commitment Hold Other
REL_DATE	Release date	MM/DD/YYYY

4) DEVELOP PLAN FOR <u>EXTRACTING</u> AGENCY DATA

OBSTACLES TO OVERCOME

Extracting data from your system may be challenging at first

- Legacy data systems
- Capacity of staff with knowledge of data systems
- Changes in data availability and quality over time

If your agency experiences these obstacles, they can be overcome with planning and technical assistance

CII	LOCALID	SUP_NUM	SUP_START_DATE	SUP_TYPE	SUP_END_DATE
23456781	234561	12345	1/1/2017	Mandatory Supervision	12/31/2018
34567812	345612	23451	4/4/2018	Felony Probation	4/3/2020
12345678	123456	34512	12/1/2018	PRCS	11/30/2019
45678123	456123	45123	10/20/2020	PRCS	

PROBATION DATA EXTRACT (MOCK DATA)

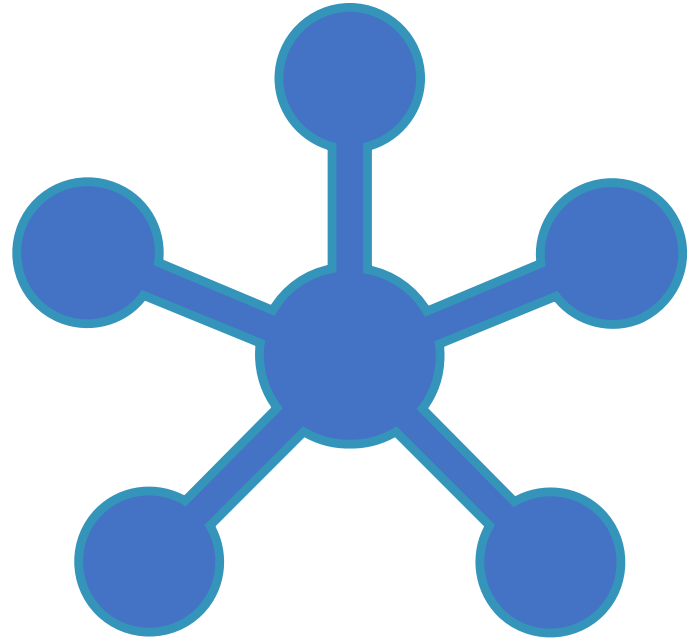| CII	LOCALID	BOOK_NUM	BOOK_DATE	BOOK_TYPE	REL_DATE
87654321	654321	54321	2/3/2018	Fresh Arrest	4/5/2020
87654321	654321	12345	4/30/2018	Probation Violation	10/30/2020
76543218	543216	43215	6/17/2019	Warrant	6/20/2019
65432187	432165	32154	9/15/2020	Hold	9/20/2020
54321876	321654	21543	10/20/2020	Probation Violation	

JAIL DATA EXTRACT (MOCK DATA)

ACTION STEPS:
BUILDING AGENCY-LEVEL DATA INFRASTRUCTURE

These steps provide guidance on the process of building agency level data infrastructure:

1) Form an agency-level data working group
2) Identify key questions you would like to answer for your population
3) Develop a codebook describing the data contained in your system
4) Select and extract key data elements
5) Identify additional data elements you will need from other agencies to address your key questions

5) DEVELOP PLAN FOR <u>LINKING</u> AGENCY DATA
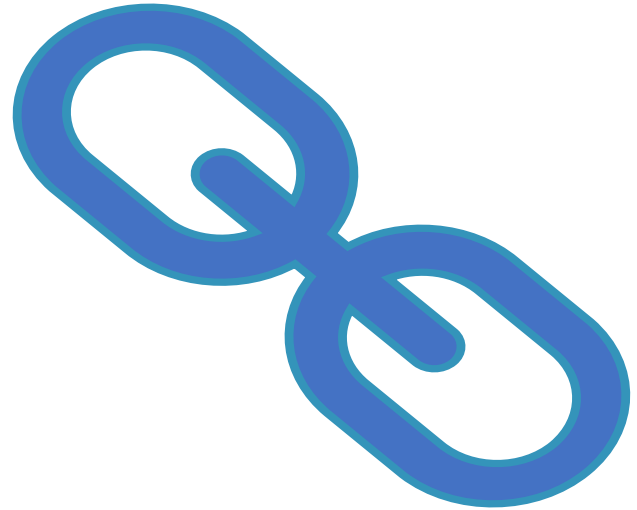
PREPARING DATA FOR LINKING

Cleaning data prior to linking

Aligning identifiers to link data

DECIDING ON A DATA SHARING STRUCTURE

Options:

- One criminal justice agency may take the lead on receiving, cleaning, and linking data
- Criminal justice agencies may also work with an independent county-level department, such as a CAO's office
- Agencies may also choose to work with an outside entity, such as a university

Once you decide on a structure, you will want to complete data sharing agreements between parties

ACTION STEPS:
BUILDING COUNTY-LEVEL DATA INFRASTRUCTURE

These steps provide guidance on the process of building county level data infrastructure:

1) Form a cross-agency data working group
2) Identify key questions you would like to answer as a group
3) Determine which data will need to be linked to answer these questions
4) Develop a data-sharing plan and agreements
5) Extract, share, and link data using common identifiers

Q&A

MATERIALS, GUIDES AND TEMPLATES

Materials available:	Jail Data Codebook
	Probation Data Codebook
	Data Use Agreement Guide & Example

Data & Evaluation Series Info:
https://www.counties.org/framework-seminar-series

Support Hub Website:
https://www.counties.org/csac-support-hub

LOOKING AHEAD

DATA AND EVALUATION SERIES, SEMINAR 2 (JANUARY)

Our next seminar focuses on accessing and integrating data held by CDCR and DOJ. We will provide a model template that identifies key data elements and demonstrates how these additional data can better inform criminal justice practice at the county level. We will describe the process of applying for access to these state data and linking state with county data once it is received.

PROGRAMMING SERIES, SEMINAR 2 (DECEMBER)

This seminar provides an overview of findings from the available literature on programmatic interventions for your criminal justice populations, as well as the challenges in matching operational realities to model programs to evidence.

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