Criminal Justice
Data Management System

January 8, 2016

v. 3.0

CJ Policy Commission Mission Statement

The Criminal Justice Policy Commission was established by Public Act 465 of 2014. The Commission shall do all of the following: Collect, prepare, analyze, and disseminate information regarding state and local sentencing and proposed release policies and practices for felonies and the use of prisons and jails, collect and analyze information concerning how misdemeanor sentences and the detention of defendants pending trial affect local jails, conduct ongoing research regarding the effectiveness of the sentencing guidelines, and in cooperation with the Department of Corrections, collect, analyze, and compile data and make projections regarding the populations and capacities of state and local correctional facilities, the impact of the sentencing guidelines and other laws, rules, and policies on those populations and capacities, and the effectiveness of efforts to reduce recidivism.
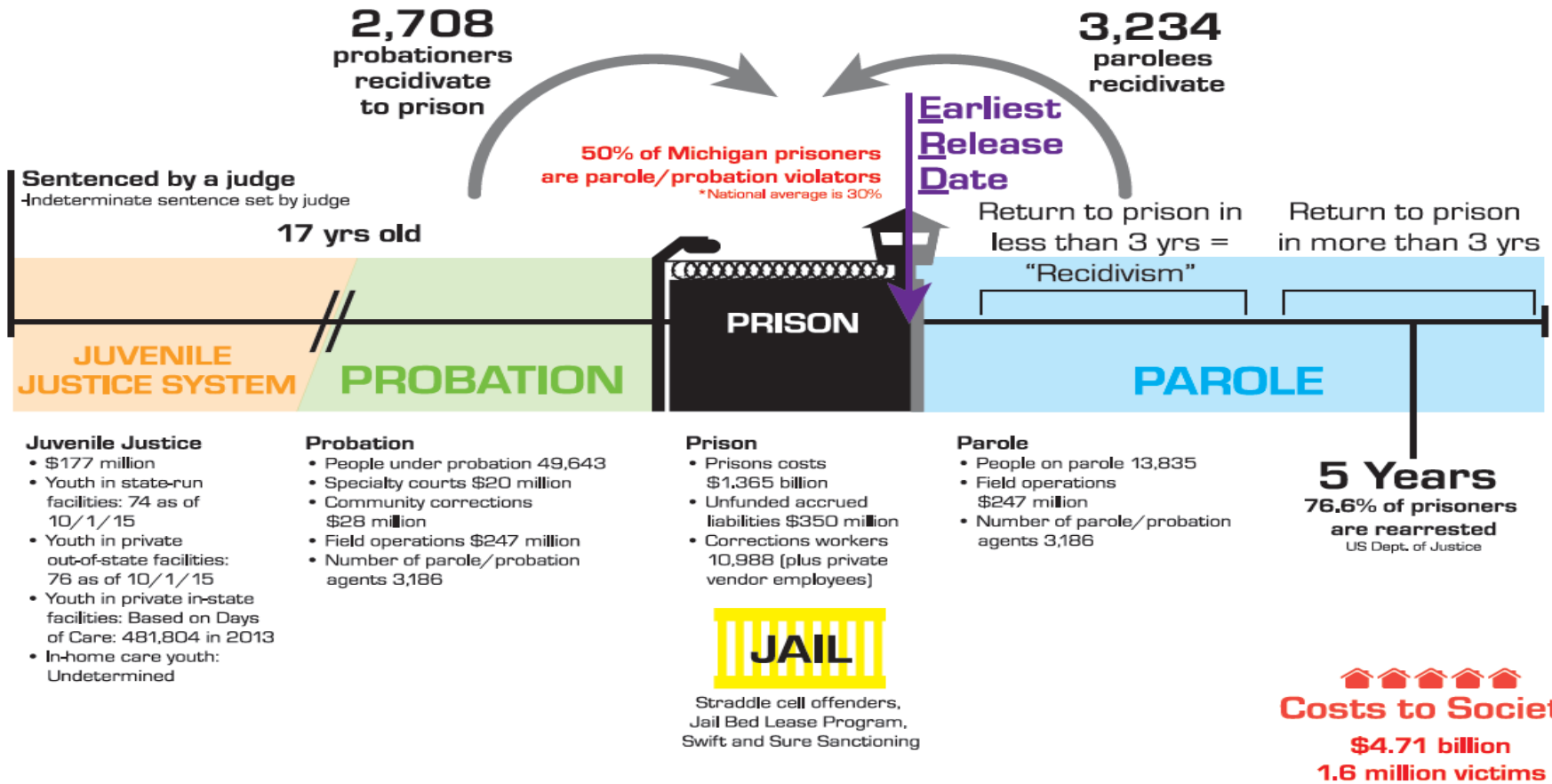
CJ Data Management System Goals

- Define Statement of Work for CJ Research and Data Collection Positions
  - Data Collection Process
  - Define Data Reporting Process
- Define County data requirements
- Define CJ Data System implementation roadmap
- Provide information to stakeholders/public through education/reports

Data Requirements Scope

CRIMINAL JUSTICE TIMELINE

2,708 probationers recidivate to prison

3,234 parolees recidivate

Earliest Release Date

50% of Michigan prisoners are parole/probation violators
*National average is 30%

Sentenced by a judge
Indeterminate sentence set by judge

17 yrs old

Return to prison in less than 3 yrs = "Recidivism"

Return to prison in more than 3 yrs

JUVENILE JUSTICE SYSTEM

PROBATION

PRISON

PAROLE

Juvenile Justice
- $177 million
- Youth in state-run facilities: 74 as of 10/1/15
- Youth in private out-of-state facilities: 76 as of 10/1/15
- Youth in private in-state facilities: Based on Days of Care: 481,804 in 2013
- In-home care youth: Undetermined

Probation
- People under probation 49,643
- Specialty courts $20 million
- Community corrections $28 million
- Field operations $247 million
- Number of parole/probation agents 3,186

Prison
- Prisons costs $1.365 billion
- Unfunded accrued liabilities $350 million
- Corrections workers 10,988 (plus private vendor employees)

Parole
- People on parole 13,835
- Field operations $247 million
- Number of parole/probation agents 3,186

JAIL
Straddle cell offenders, Jail Bed Lease Program, Swift and Sure Sanctioning

5 Years
76.6% of prisoners are rearrested
US Dept. of Justice

Costs to Society
$4.71 billion
1.6 million victims

Scope of Work

CJ Data System			
State	**County**	Federal	Local
Data Collection	Reporting	Data Collection	Reporting	Data Collection	Reporting	Data Collection	Reporting

In-Scope

Out-of-Scope

Data Management Framework

Decisions

Data Required to Make Decisions

Processes Needed to Collect Data Required to Make Decisions

Resources Needed to Implement Processes Needed to Collect Data Required to Make Decisions

CJ Research and Data Collection System Statement of Work
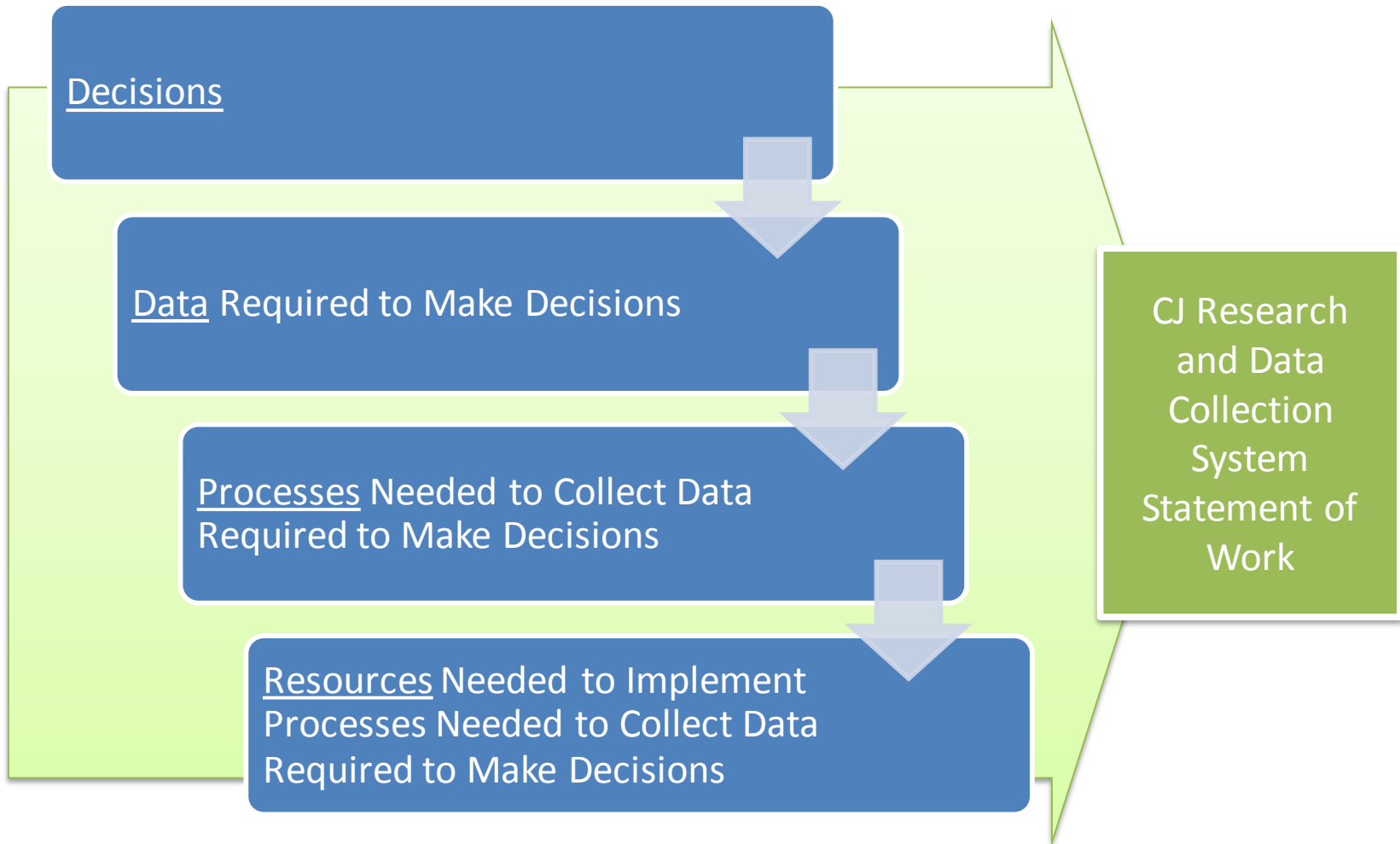
Decisions

Data needs should be driven by the decisions that need to be made

| What capacity is needed?	• Probation • Jail • Prison • Parole
What rehabilitation programs are most effective?	• How do we define "effective"? • Recidivism rates by offense • Recidivism rates by program • Programs cost and duration
What punishment is proportional to the crime?	• Is the sentence oriented toward punishment or rehabilitation? • Is the sentence proportional to the crime?
What sentencing reforms would benefit citizens?	• How do we ensure public safety? • What sentence duration is necessary to rehabilitate offender? • What are potential operational impacts of sentencing reforms for all stakeholders in CJ System? • How would a proposed reform impact public safety? • What punishment is proportional to the crime?

Data Sources

State	County	Local	Federal
• Judicial Data Warehouse • OMNI • OMS • MDOC • LEIN • MCOLES	• TBD	• TBD	• TBD

Data Management Overview

- Data ≠ Reports

Data Source 1

Data Source 2

Data Source 3

Data Service Bus

Data Warehouse
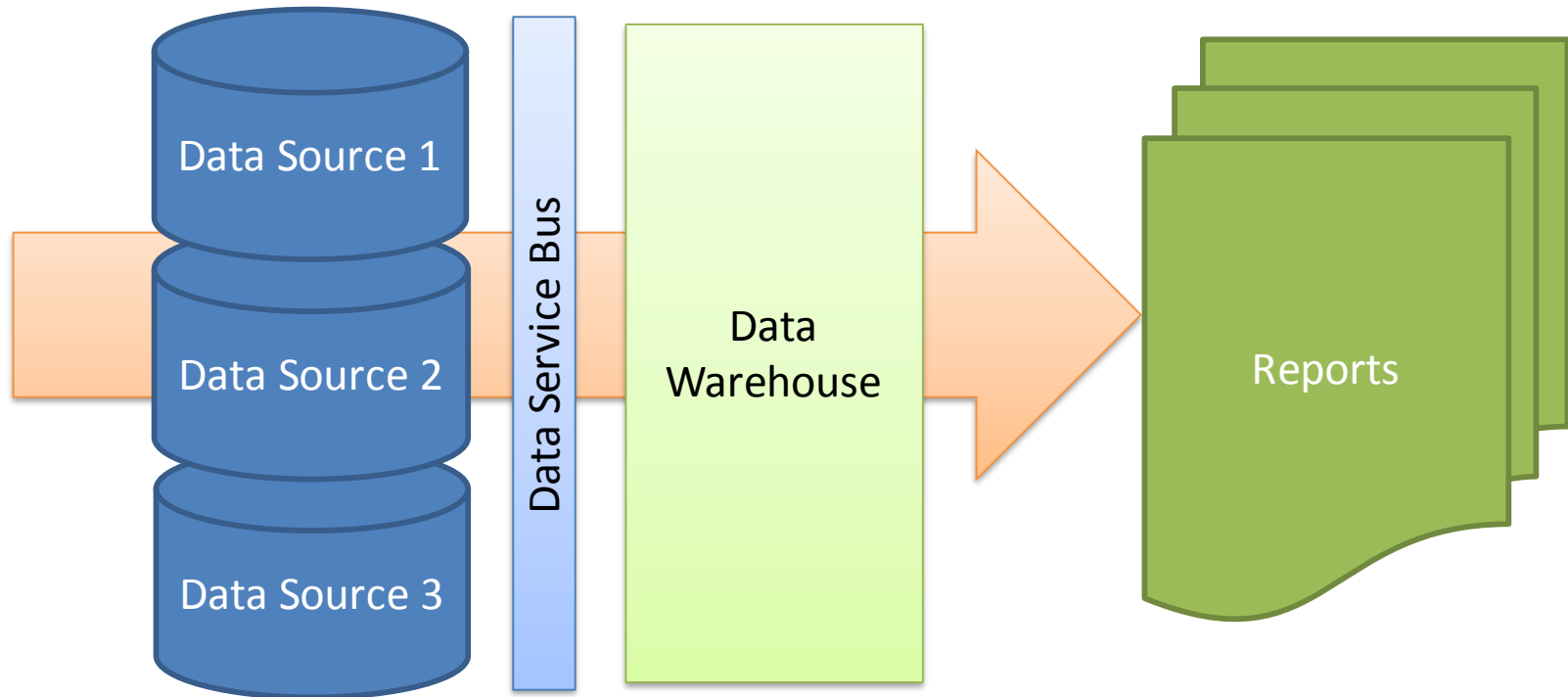
Reports

Key Data Object Classes

Offender
- Crimes
- Facilities
- Programs

Case
- Crime
- Sentence
- Location
- Judge

Program
- Duration
- Cost
- Recidivism Rate
- Dropout Rate

Crime
- Sentencing Guidelines
  - Felonies
  - Misdemeanors

Reports

Capacity

State Prison Capacity	County Jail Capacity

Recidivism

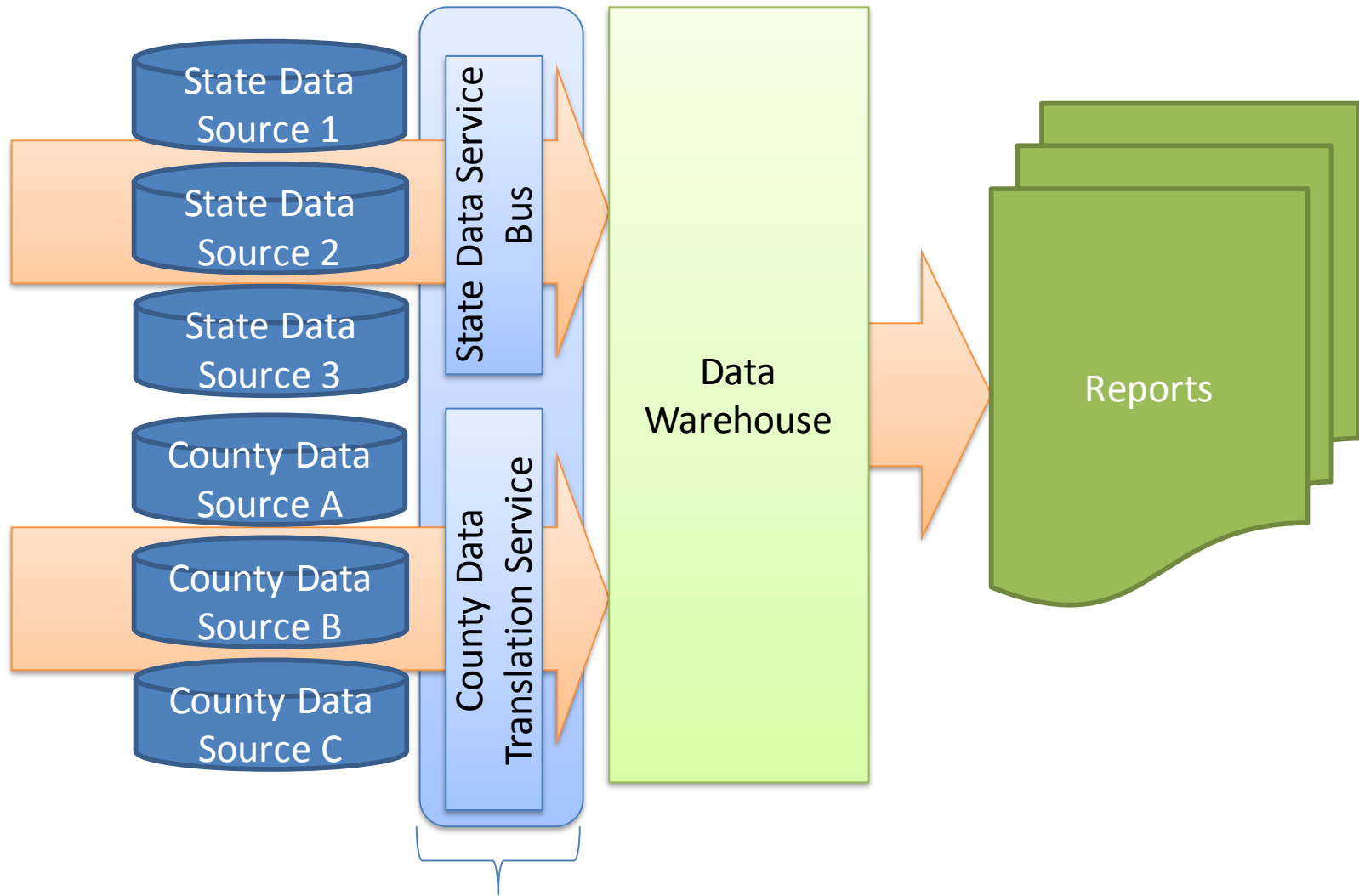| Recidivism Effectiveness by Program	Recidivism Timeline by Program	Recidivism Program-Crime Map	Recidivism Program Costs

Sentencing

Incarceration Status by Crime	Mean Recidivism Time by Crime

CJ Data Management Architecture

State Data Source 1

State Data Source 2

State Data Source 3

County Data Source A

County Data Source B

County Data Source C

State Data Service Bus

County Data Translation Service

Data Warehouse

Reports

Automated or Manual?

Data Management Process

Setup

Ongoing Operations

Data Preparation

Data Collection

Data Reporting

Data Collection Automation

Data Preparation

Identify Data Needed → Prepare Data Repository → Identify Data Sources for Data Needed

Prepare Sample Reports ← Transfer Sample Data for Each Data Source ← Define Interface Requirements for Each Data Source

Data Collection Process

Request Data for Period ➜ Receive Data for Period ➜ Transfer Data to Data Warehouse
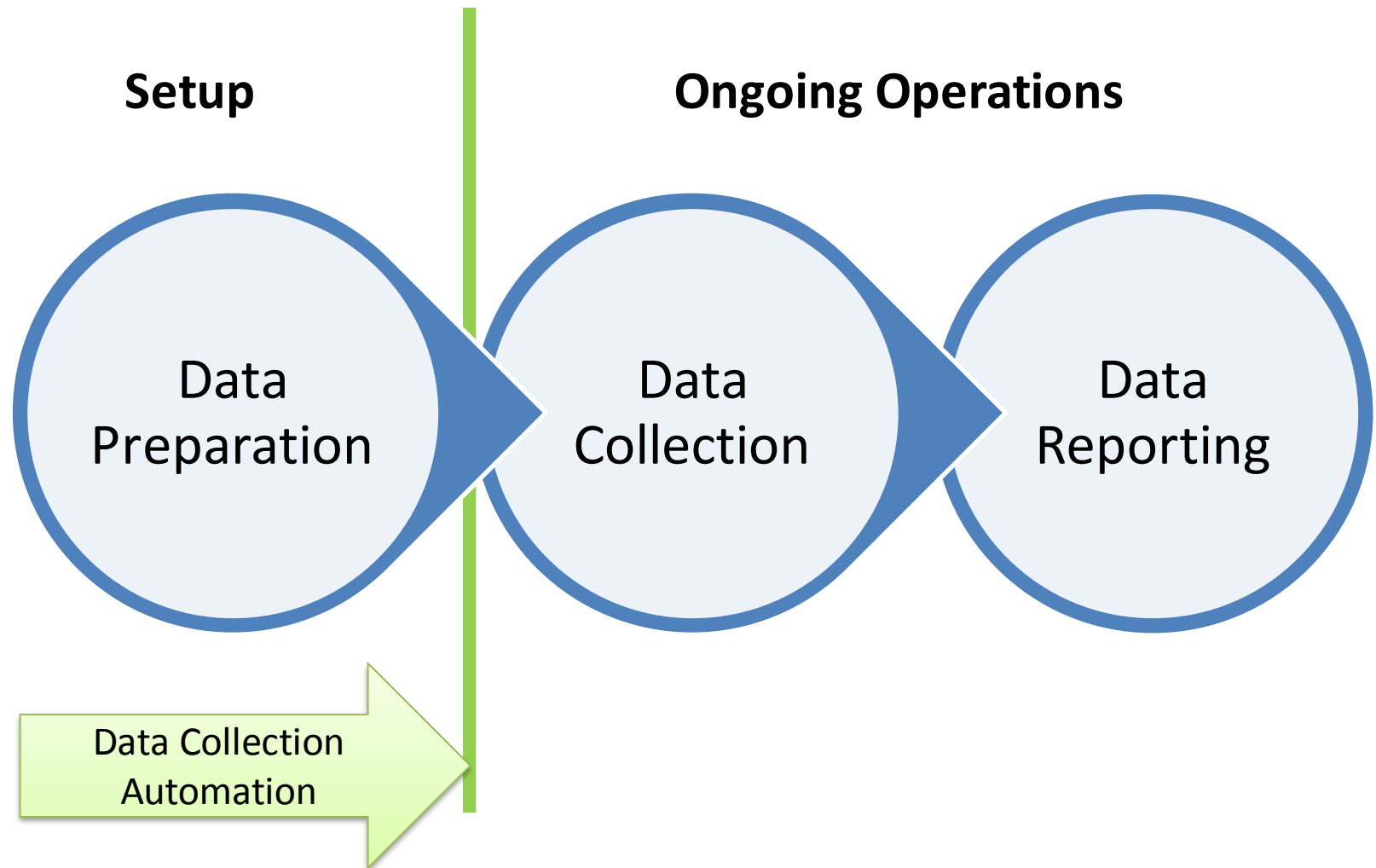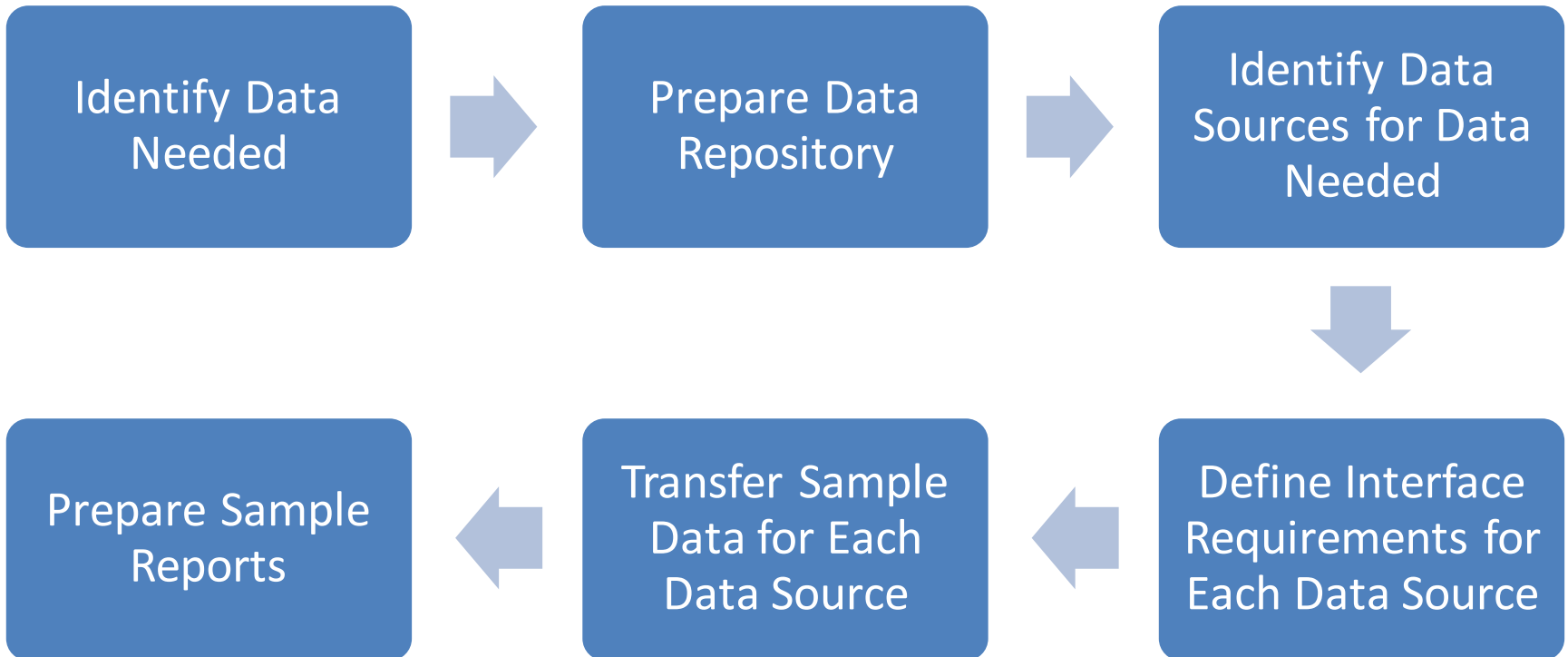
Data Reporting Process
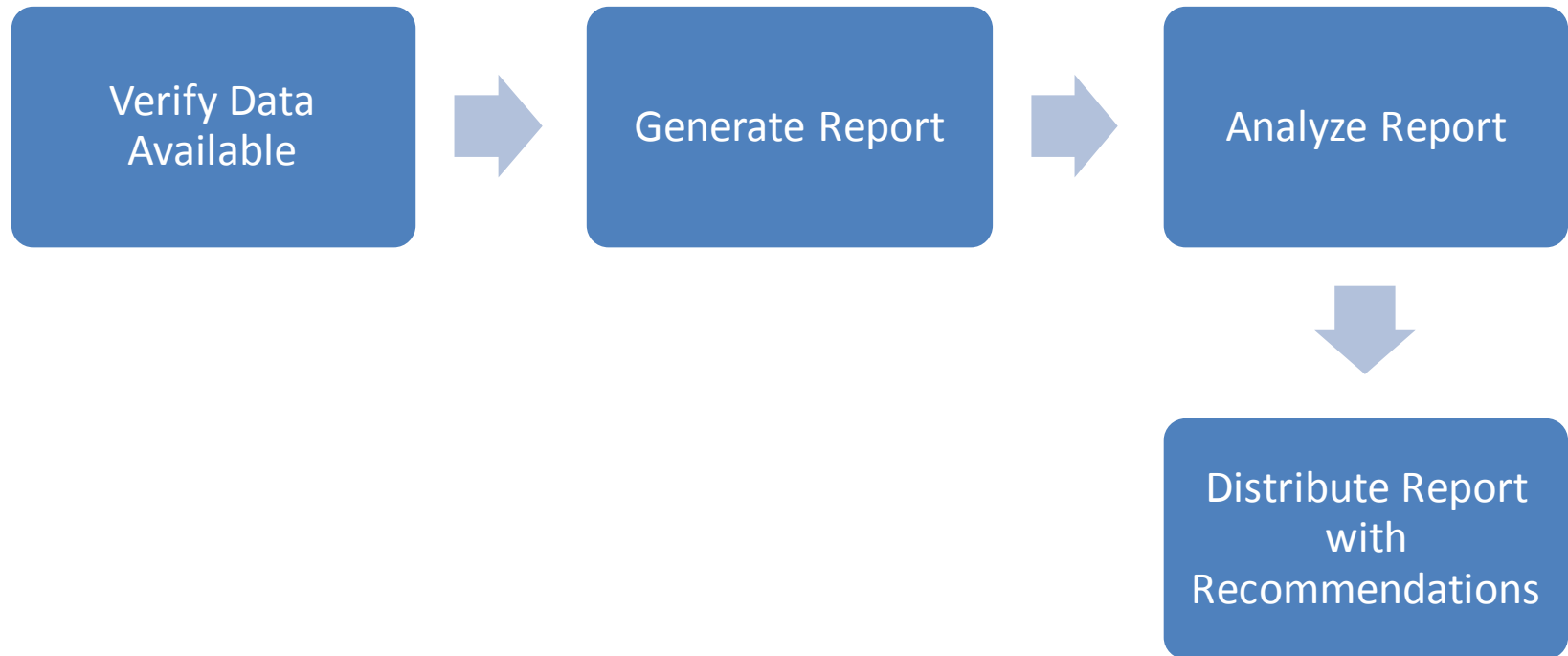
Data Collection Automation

Identify Compatible Data Interfaces

Define DB Protocols needed to automate periodic data transfers
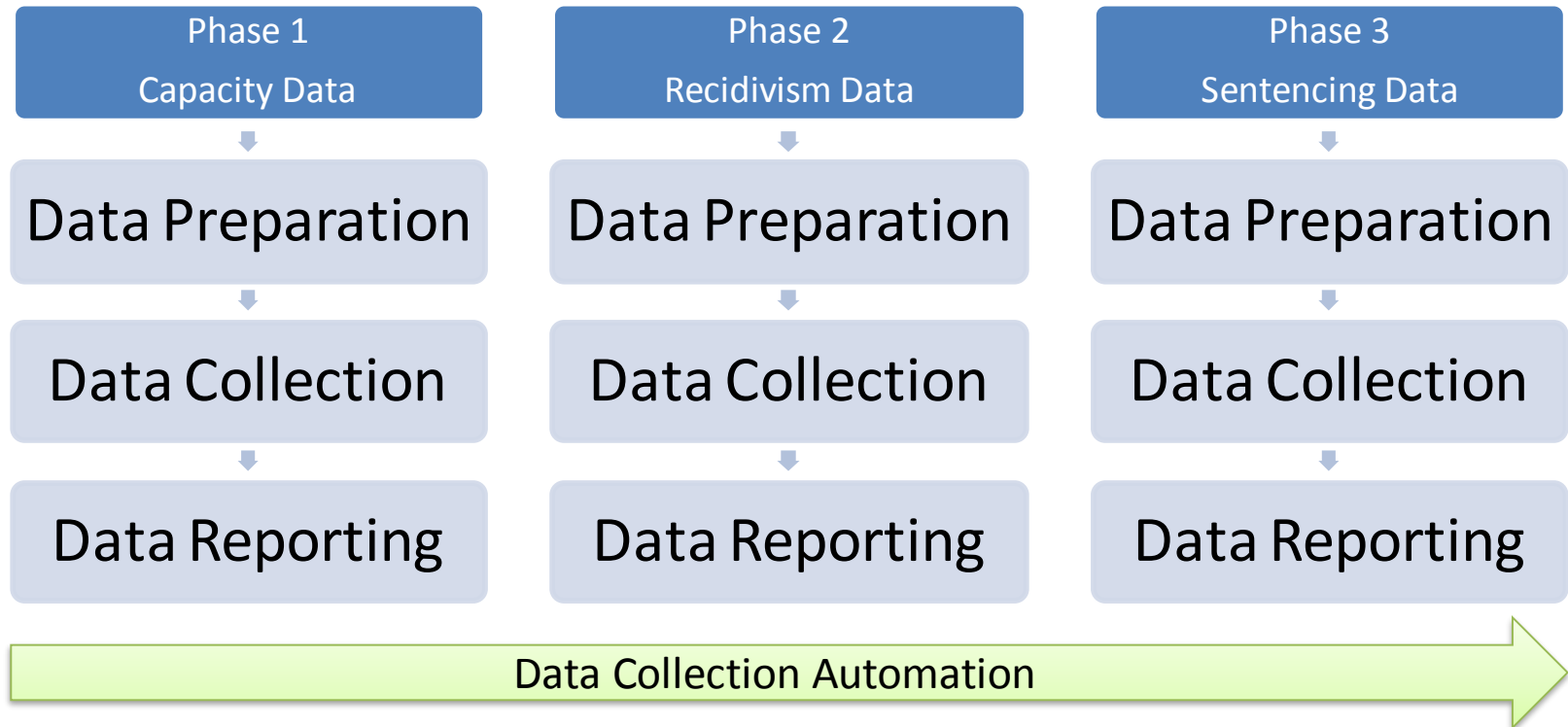
Implement automated data transfers

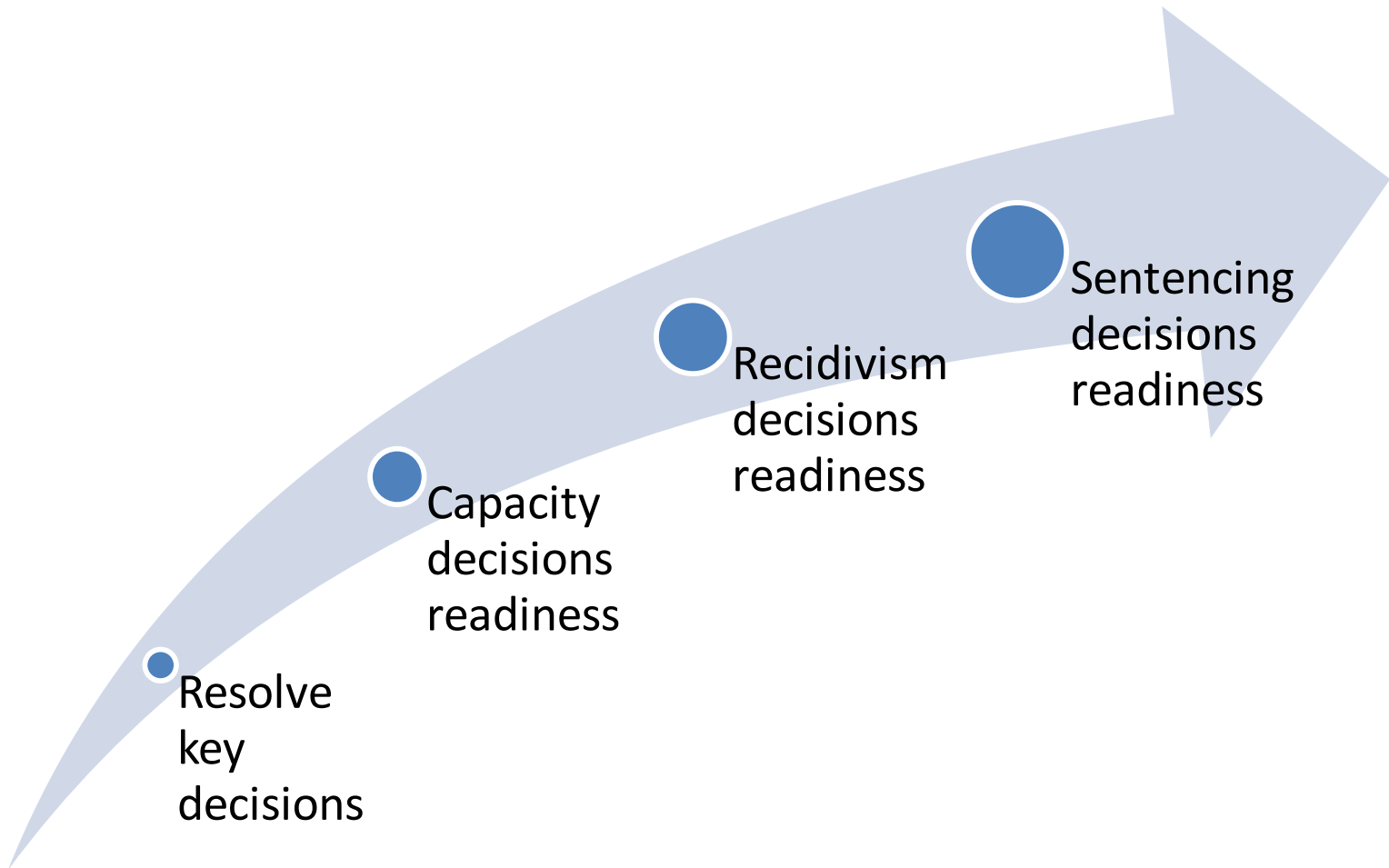# Phases

Phase 1: Capacity Data

Phase 2: Recidivism Data

Phase 3: Sentencing Data

Implementation Plan

Phase 1 Capacity Data	Phase 2 Recidivism Data	Phase 3 Sentencing Data
Data Preparation	Data Preparation	Data Preparation
Data Collection	Data Collection	Data Collection
Data Reporting	Data Reporting	Data Reporting

Data Collection Automation →

CJ Data System Roadmap

PATRICK COLBECK
STATE SENATOR
DISTRICT 7

Sentencing decisions readiness

Recidivism decisions readiness

Capacity decisions readiness

Resolve key decisions

Decision Readiness Scorecard

	Probation	Jail	Prison	Parole	
Phase 1: Capacity	🔴🔴🔴 / 🔴🔴🔴 / 🔴🔴🔴	🔴🔴🔴 / 🔴🔴🔴 / 🔴🔴🔴	🟢🔴🔴 / 🟢🔴🔴 / 🟢🔴🔴	🔴🔴🔴 / 🔴🔴🔴 / 🔴🔴🔴	P of C / Pilot / All
Phase 2: Recidivism	🔴🔴🔴 / 🔴🔴🔴 / 🔴🔴🔴	🔴🔴🔴 / 🔴🔴🔴 / 🔴🔴🔴	🟢🔴🔴 / 🟢🔴🔴 / 🟢🔴🔴	🔴🔴🔴 / 🔴🔴🔴 / 🔴🔴🔴	P of C / Pilot / All
Phase 3: Sentencing	🔴🔴🔴 / 🔴🔴🔴 / 🔴🔴🔴	🔴🔴🔴 / 🔴🔴🔴 / 🔴🔴🔴	🟢🔴🔴 / 🟢🔴🔴 / 🟢🔴🔴	🔴🔴🔴 / 🔴🔴🔴 / 🔴🔴🔴	P of C / Pilot / All
	Manual Semi-Auto Auto	Manual Semi-Auto Auto	Manual Semi-Auto Auto	Manual Semi-Auto Auto	

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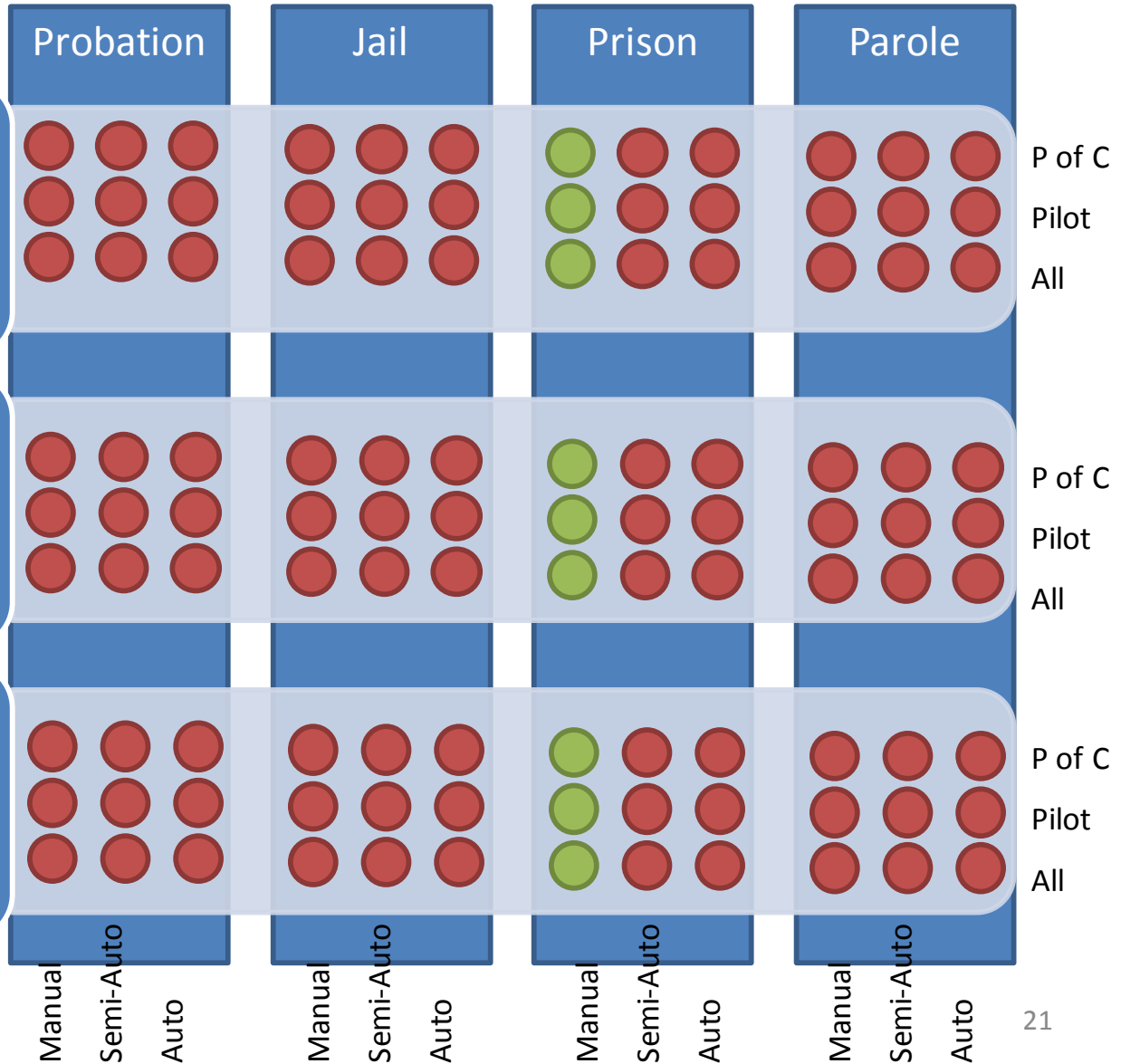
CJ Resources

Project Team	State Operations Team	County Operations Teams
• Data Preparation • Data Collection Automation • End-user participation	• Data Collection • Data Reporting • End-user participation	• Data Collection • Data Transfers • End-user participation

County CJ System Options

Statewide CJ County Data Tracking System	County CJ Data System Standard Data Interface	Flexible Hybrid
• Replicate best county system currently in operation • Offer as free data service from state • Web-enabled	• 83 counties maintain current systems • Data exchanged with state on periodic basis • Counties upgrade their systems to feature compatible interfaces with state standard	• Offer Statewide CJ County system • Allow counties to keep their own system if they adopt data exchange interface

DEFAULT ASSUMPTION

Resource Requirements

Team	Total Cost	Phase 1	Phase 2	Phase 3
CJ IS Project Team	$ 510,000.00	$170,000.00	$170,000.00	$170,000.00
State CJ IS Operations Team	$ 488,160.00	$ 162,720.00	$ 162,720.00	$ 162,720.00
County CJ IS Operations Team	$ 488,160.00	$ 162,720.00	$ 162,720.00	$ 162,720.00
	$ 1,486,320.00	$ 494,440.00	$ 494,440.00	$ 494,440.00

CJ Commission Decisions Needed

PATRICK COLBECK
STATE SENATOR
DISTRICT 7

- Decisions Supported
- Data Needed for Decisions
- Process Model Validation
- Resource Model Validation
- County CJ System Option
 - Data Interface Requirements

Policy Recommendations

- Request appropriations to form a CJ IS Project Team
  - 1 FTE for DTMB Project Lead
  - Issue RFP for 3rd Party to Implement Multi-Phase Project
    - Phase 1 Data Preparation
    - Phase 2 Data Preparation
    - Phase 3 Data Preparation
- Request appropriations to form a State CJ IS Operations Team
  - 1 FTE for State CJ IS Operations Lead
- Designate Proof of Concept County for County CJ IS Operations Team
- Request appropriations to form a County CJ IS Operations Team
  - 1 FTE for County CJ IS Operations Lead
- Do not start State CJ IS Operations or County CJ IS Operations until Phase 1 Data Preparation has been completed

BACKUP

Recidivism
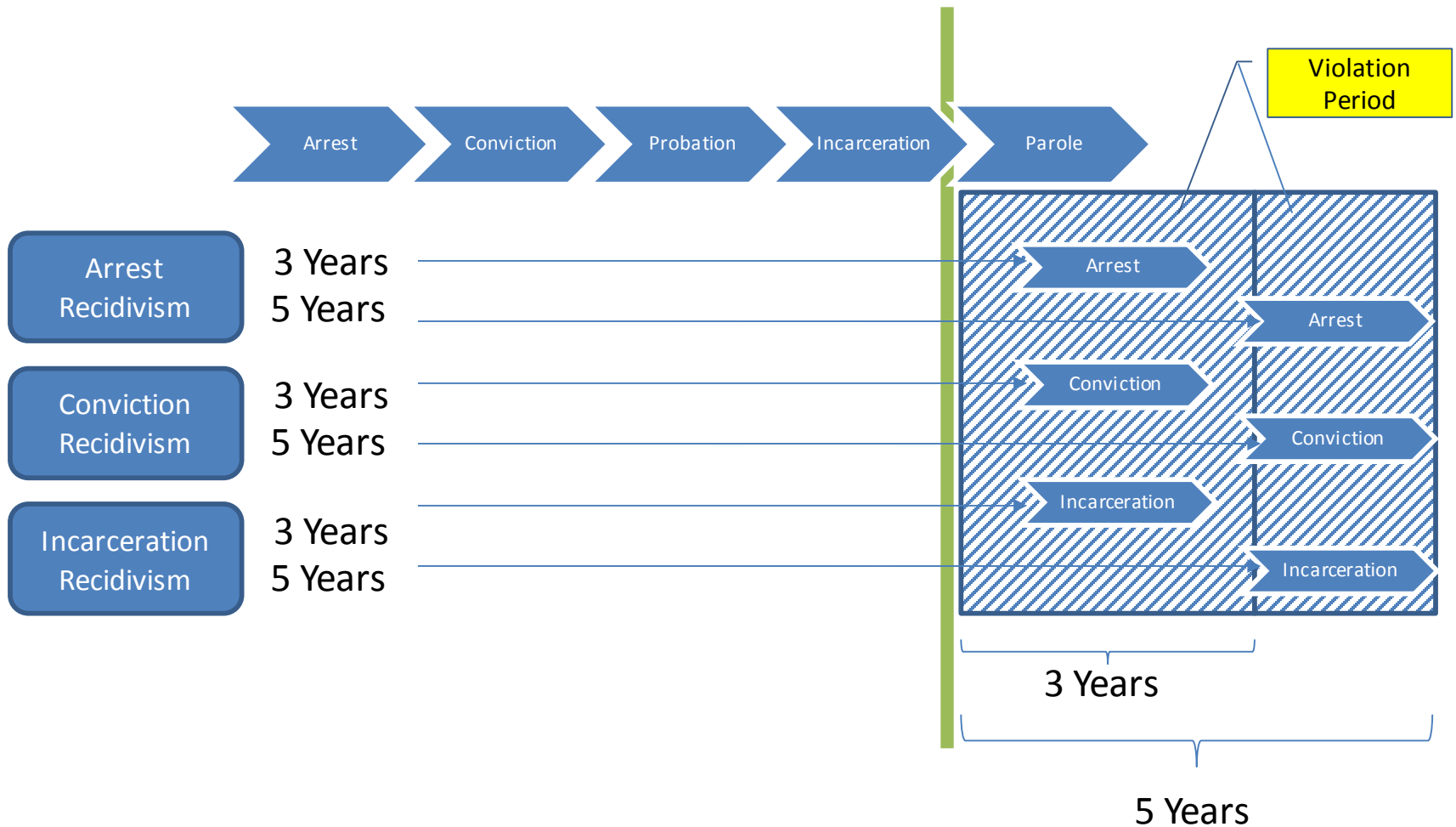
State CJ Project Team SOW

Deliverables

- State Data Service Bus
- Interfaces
- Reporting System
- County Data Service

Metrics

- Decision Readiness Scorecard
- Project Status
- CJ Report Availability
  - Capacity
  - Recidivism
  - Sentencing

State CJ Operations Team SOW

Deliverables

- Reports

Metrics

- Timeliness

- Accuracy

County CJ Operations Teams SOW

Deliverables

- County Data

Metrics

- Timeliness
- Accuracy