SAS – JUVENILE JUSTICE ANALYTICS

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JUVENILE JUSTICE

- More than 60,000 juvenile offenders are held in residential placement throughout the US
- More than 65% youth in the juvenile justice system have a diagnosable mental health disorder
- Juvenile recidivism measurements vary from state to state in definition and approach

The primary goal is to achieve positive outcomes for youths in Arkansas

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DATA MANAGEMENT AND ANALYTICS

1. Data Management and Integration

WHAT DO WE KNOW ABOUT YOUTHS?

1. Develop a comprehensive understanding of a youth
2. Provide access to accurate, reliable, timely information

2.

3.

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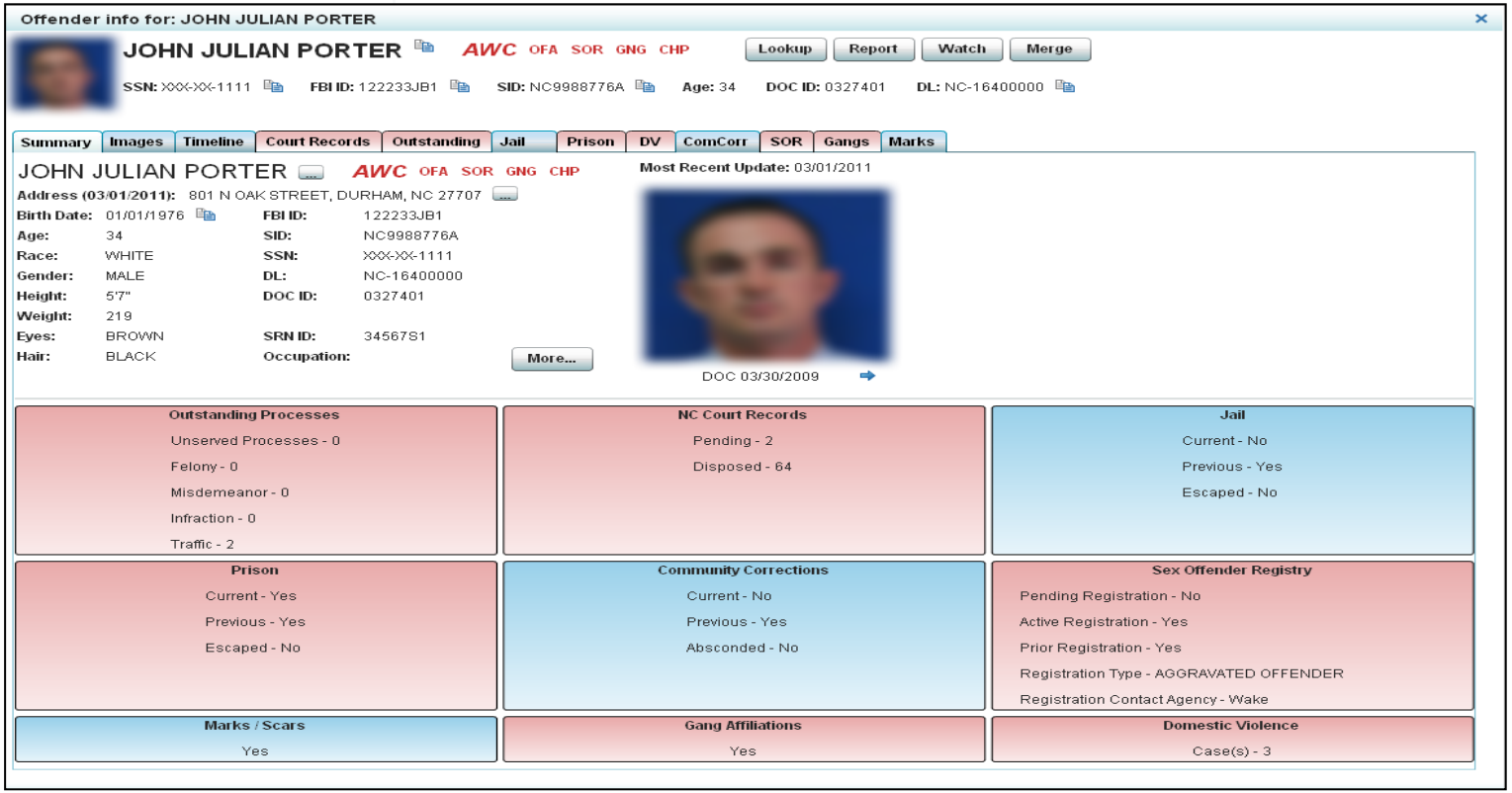
CJLEADS CRIMINAL HISTORY OVERVIEW



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CJLEADS CRIMINAL HISTORY TIMELINE

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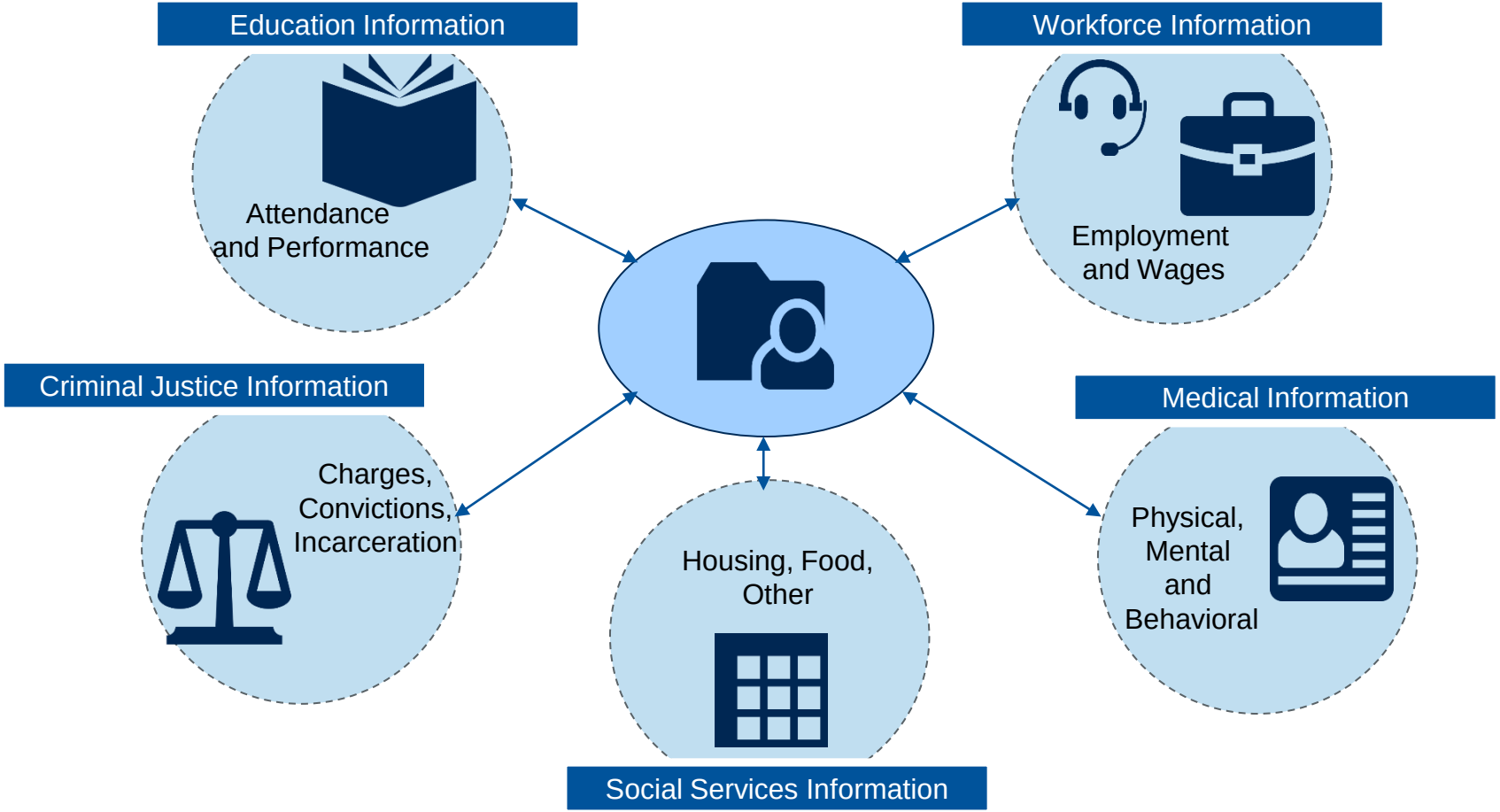

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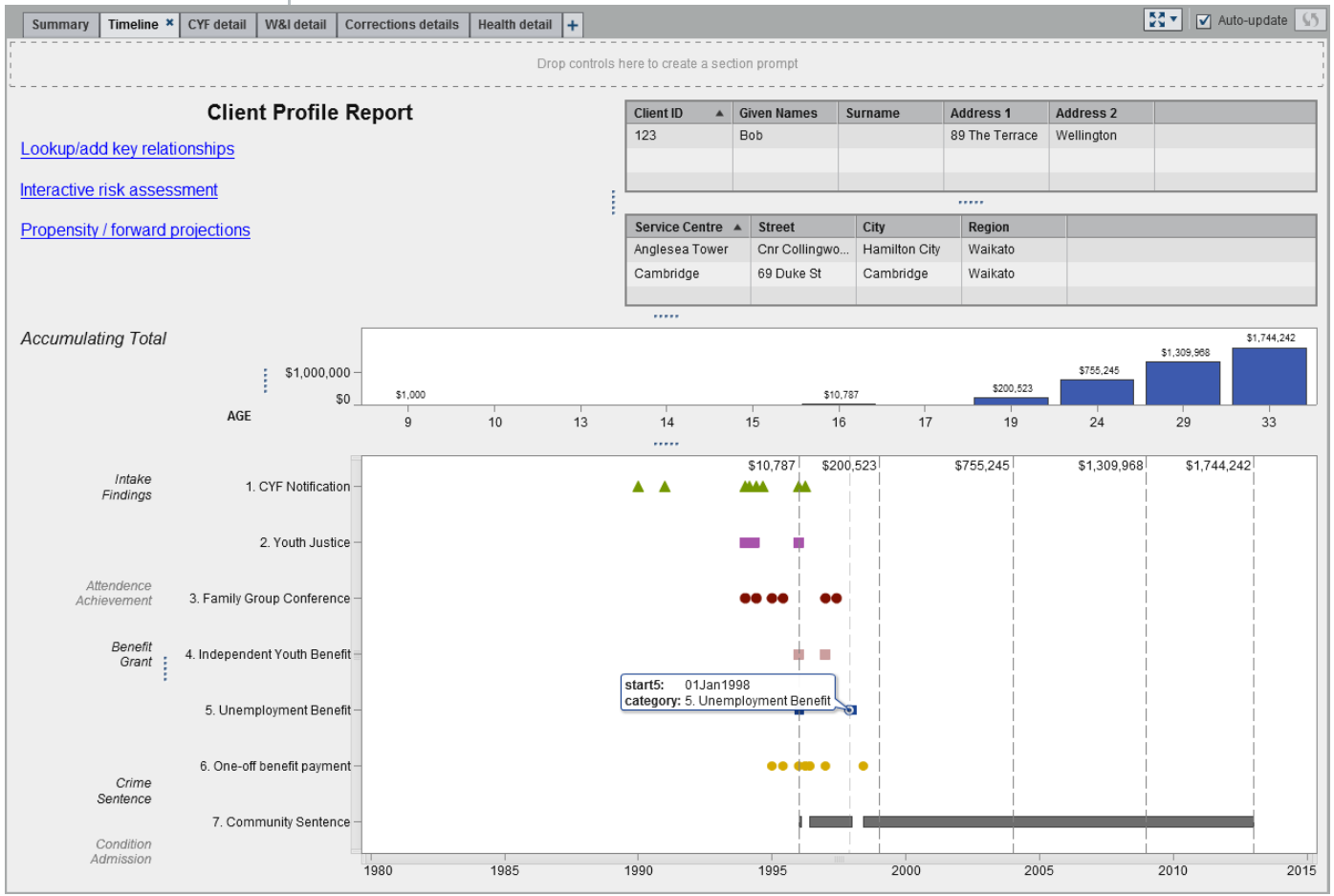

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DATA MANAGEMENT AND ANALYTICS

1	Data Management and Integration	**WHAT DO WE KNOW ABOUT YOUTHS?** 1. Develop a comprehensive understanding of a youth 2. Provide access to accurate, reliable, timely information
2	Data Analytics	**HOW DO WE GAIN INSIGHT?** 1. Develop risk and need assessment models 2. Develop analytics to match needs to services 3. Develop predictive models to drive positive outcomes
3		

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SAS RISK AND NEED ASSESSMENT ANALYTICS

Child Name	Age	Address	Previous CPS Visits	Total Score	Risk Level	30-day Risk	180-day Risk	Policy Override
Samantha Conway	6	8511 S Main St, Los Angeles	2	23	Very High	Very High	Very High	
Dominic Outten	8	11212 Zamora Ave, Los Angeles	0	21	Very High	Very High	Very High	
Cassi Burton	11	7033 Kittyhawk, Westchester	1	20	Very High	High	High	
Raymond Saiz	7	1712 S Hamilton Blvd, Pomona	2	20	Very High	Very High	Very High	3
Sophia Manzo	9	10441 Bisby St, El Monte	0	20	Very High	Very High	Very High	
Saraya Smith	3	4200 Avalon Blvd, Los Angeles	0	19	Very High	Very High	Very High	
Brandon Taylor	2	1467 Siesta Ave, La Puente	0	19	Very High	Very High	Very High	
Lania Finley	7	239 S Magaret Ave, Los Angeles	2	19	Very High	Very High	Very High	
Mashyia Colvin	11	19207 Cliveden Ave, Carson	0	19	Very High	Very High	Very High	2
Hailey Morse	9	14120 Roscoe Blvd, Panorama City	3	19	Very High	Very High	Very High	
David Hicks	9	6238 Idyllwild Cor, Rialto	2	19	Very High	Very High	Very High	
Breana Gomez	0	19366 Greyhall St, Rowland Hts	0	16	High	High	High	
Janyah Hall	2	11536 Gorman Ave, Los Angeles	0	16	High	High	High	
Leah Payton	7	623 W Cedar St, Ontario	0	16	High	High	High	
Jessica Rojas	1	1908 E Cienega Ave, Covina	1	15	High	Very High	Very High	
Melanie Phillips	8	1166 W Grant St, Wilmington	0	13	High	High	High	
Craig Mitchell	6	21024 Stagg St, Canoga Park	0	13	High	High	Moderate	
Ivan Acosta	2	9160 Telfair Ave, Sun Valley	0	13	High	High	High	
Jamar Randolph	1	45121 N Date, Lancaster	0	11	High	High	High	
Juan Escamilla	1	18209 Sierra Hwy, Canyon Country	0	11	High	Very High	Very High	

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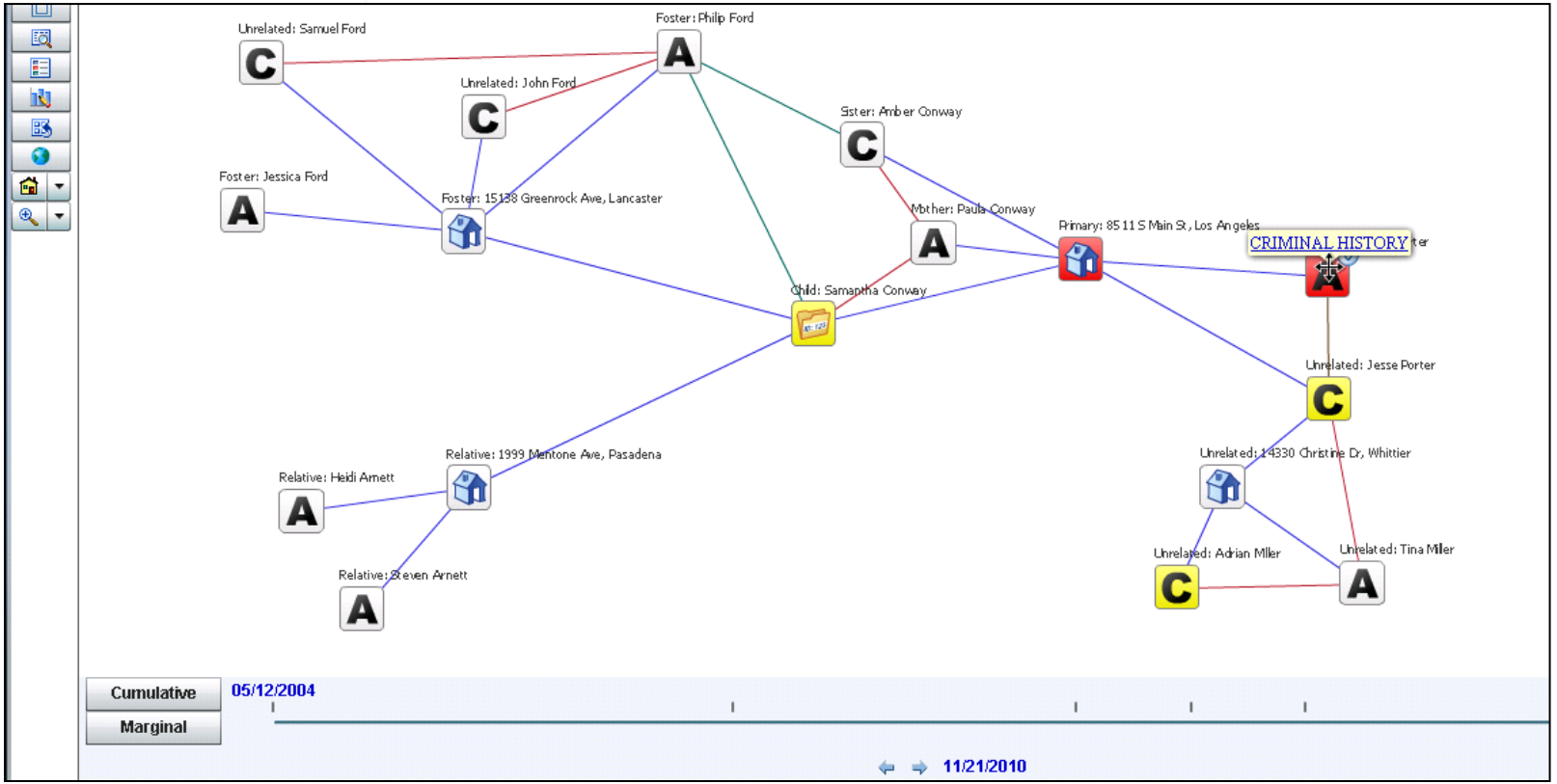

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DATA MANAGEMENT AND ANALYTICS

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2	Data Analytics	**HOW DO WE GAIN INSIGHT?** 1. Develop risk and need assessment models 2. Develop analytics to match needs to services 3. Develop predictive models to drive positive outcomes
3	Reporting and Insight	**HOW DO WE IMPACT OUTCOMES?** 1. Allow data to drive policy and process 2. Recognize trends and patterns and proactively take action 3. Increase transparency and accountability

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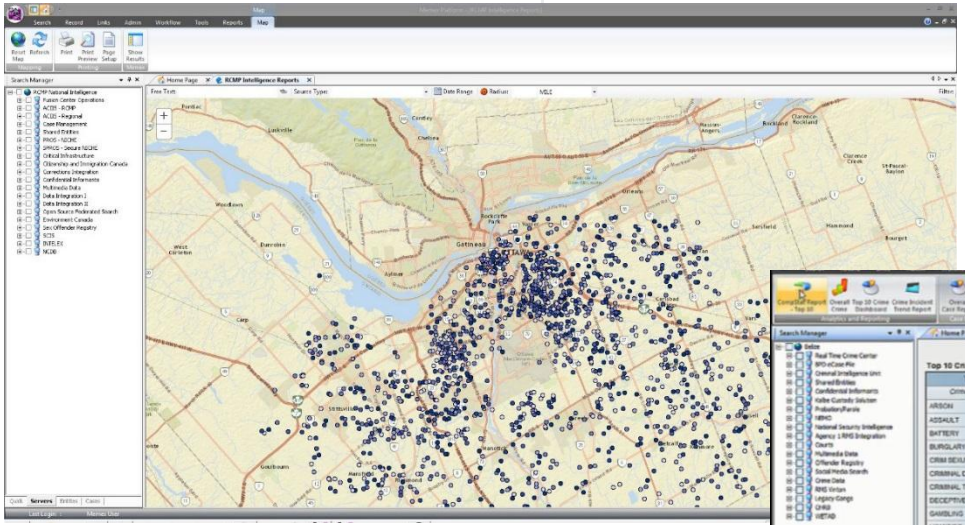
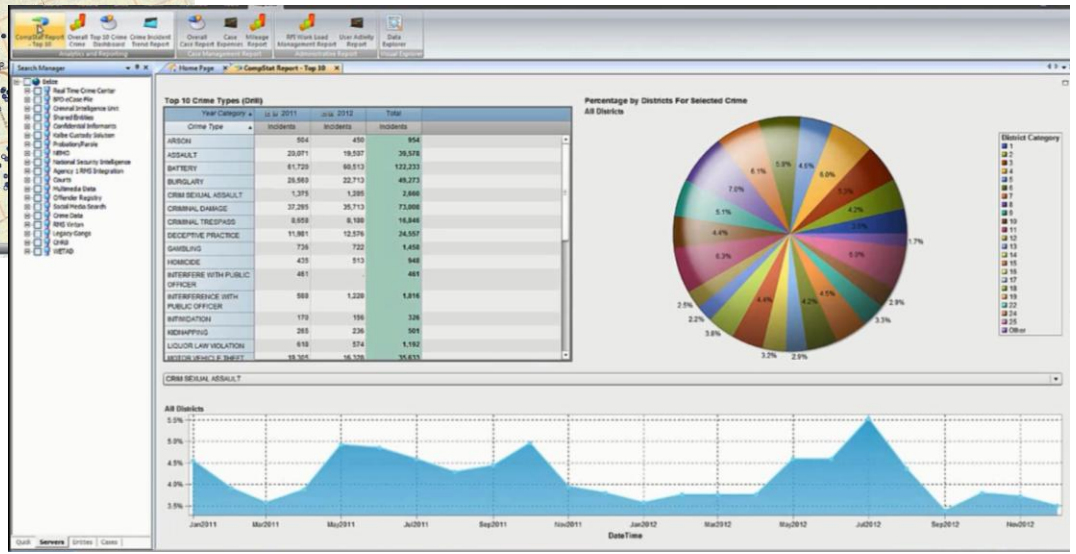
SAS DATA VISUALIZATION AND REPORTING





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DATA AND ANALYTICS CAN SUPPORT

- Access to timely, comprehensive information
- Proactive risk and need assessments
- Insight in the effectiveness of intervention, diversion and treatment programs
- Data-driven policy decisions
- Improved outcomes and reduced costs

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