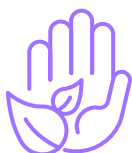


Design and evaluate data-driven policies and programs to reduce recidivism



Holistic approach to rehabilitation



Data-driven program development and assessments



Comprehensive view of services and needs

The Issue

Increasing recidivism rates indicate current practices in the US criminal justice system fall short of deterring future crime and rehabilitating previous offenders. **Studies have found** rearrest and reincarceration rates as high as 77% and 55%, respectively, for state prisoners.

Across the country, states are initiating criminal justice reform to reduce recidivism and strengthen public safety. Reforms to reduce the likelihood a person will re-offend focus on rehabilitation strategies to address core behavior issues that result in criminal behavior.

The correctional branch of the criminal justice system supervises those convicted of crimes and serving court-ordered sentences. At release or other points in the correctional process, supervisory decisions for each offender require comprehensive information about offenders' backgrounds, unique needs and risks.

Effective program management and needs assessments are critical to prepare offenders for a successful transition and reentry into the community.

The Challenge



Design programs using data across multiple systems and agencies. States collect and analyze data about factors that contribute to corrections population growth and costs. SAS® makes it easier and more efficient to design policies and implement programs that address those factors by determining what practices are or aren't working, and measuring the fiscal and criminal justice effects of these reforms.



Know how and when to apply early intervention efforts. By integrating criminal court data with other sources of offender information such as prior incarceration, gang, education or health data, SAS strengthens placement and supervision decisions. This integration also encourages coordinated interbranch efforts among courts, corrections, and state and local supervision agencies.



Better understand recidivism indicators. Inconsistent data makes it difficult to predict outcomes. SAS helps provide clarity around recidivism indicators such as homelessness, unemployment, poverty and behavioral health to help change outcomes for the better.

Our Approach

Each year, the criminal justice system reintegrates thousands of incarcerated offenders into communities and several factors affect their success. Without the necessary skills and education needed to find jobs, offenders are more likely to return to criminal activity.

Using SAS data and analytics, agencies can:

- **Explore a data-driven approach** to evaluate and improve program effectiveness for incarcerated individuals.
- **Garner a comprehensive view of programs and service needs** along with needs not met by existing policy and practices.
- **Examine and evaluate services and agency approaches** to plan for opportunities that would drive successful outcomes and reduce recidivism.
- **Use data-driven assessments** to improve program and service effectiveness.
 - o Which services are most effective in reducing recidivism and improving outcomes? Where are the gaps?
 - o Who needs to receive these services, when and in what quantity?
 - o How can agencies provide these services in the most effective way?
 - o What are the relative returns (cost weighed against benefits) to current practices and policies?

The SAS® Difference

Identifying specific factors most likely to improve outcomes for individual offenders helps reduce recidivism and increase positive outcomes. SAS supports criminal justice reform with:

- **Data-driven case management plans.** SAS consolidates and uses existing data on offenders, programs and services, and applies the most current machine learning methods. We also craft targeted test-and-learn techniques and deliver a field-validated operational environment. By capturing and analyzing risk, needs, and performance and use models, we can identify case management plans that lead to successful outcomes.
- **Holistic approach for rehabilitation and reentry.** SAS uses predictive models and performance metrics, incorporating results from treatment, educational, vocational and service plans. These show a complete view of the offender's risk and needs that can influence rehabilitation and reentry.
- **Informed decision making.** SAS analytics provides a consistent view of operational risks and mitigation activities to inform policy decisions by integrating data, providing identity resolution, creating risk profiles, and connecting intervention and services.
- **Data ethics.** SAS' approach to data ethics is consistent and coordinated. Our human-centered best practices and solutions promote responsible and equitable analytically based judgments, with an emphasis on minimizing harm to vulnerable populations.

WHY SAS® FOR CRIMINAL JUSTICE REFORM?



TRUSTED DATA

- Create a foundation of reliable, detailed data by accessing, integrating and analyzing diverse data sources.



DATA-BASED STRATEGY

- Increase social stability and identify systematic biases with a solid strategy based on trusted data.



HUMAN-CENTERED APPROACH

- Strengthen outcomes using advanced analytics and machine learning methods built on human-centered best practices and solutions.



ANALYTICS INSIGHTS

- Demonstrate improvements in performance measures and rehabilitation efforts with analytics-based metrics.

Learn more about [SAS solutions for recidivism](#).

