



JBS Data Analytic Solutions

Transforming Data to Inform Decisions that Improve Lives

Federal agencies including NIH and other organizations have access to an overwhelming amount of data that managed and analyzed effectively can be used to meet agency needs and goals by enhancing decision-making and improving program and service outcomes. Health care reform will provide further opportunities to collect health and service information to monitor progress in improved health status and understanding what services were provided that were associated with favorable outcomes.



Leaders must now accomplish more in less time and with fewer resources and manage competing needs with great precision. JBS staff members have the expertise in a variety of fields and more than 25 years of experience collaborating with businesses, organizations, and Federal and State agencies to analyze data and information, to set out alternatives for service provision, and to improve decision-making processes.



JBS Approach to Data Analytic Solutions: **RESULTS**

Reflect: Identify agency goals and needs.

Examine: Determine what current data or new data can be analyzed efficiently to meet goals.

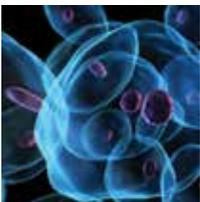
Strategize: Customize project concept and design, data collection, and analysis for client needs and budget.

Understand: Develop unique and innovative approaches for diverse populations and clients.

Leverage: Use data-driven results to make decisions and action items.

Transform: Refine and enhance organization goals and planning to demonstrate a better return on investment.

Sustain: Integrate and sustain data-driven decision-making.



Research and Evaluation

JBS designs and manages research studies and program evaluations for Government, business, and nonprofit clients. We obtain meaningful data with methodologically robust studies that withstand critical review—all under rigorous deadlines, budget limits, and contracting standards.

Data Management and Analytics

Our staff delivers data management and analytics including data harmonization and content management, Web site data analysis, online analytical processing, customer relationship analytics, and real-time analytics with dynamic analysis and reporting.



JBS Project Snapshots

JBS designs research studies, analyzes data, and manages and reports on large data sets for a variety of public- and private-sector clients. We provide personal service and scalable, customized solutions to projects of every size and budget. Snapshots of selected projects include:

- ▶ **National Clearinghouse on Families & Youth, Family and Youth Services Bureau, Administration for Children and Families, HHS**—Designed four outcome measures along with measurement tools for runaway and homeless youth programs and Twitter usage using built-in tools.
- ▶ **Public School System in Connecticut**—Conducted predictive analytics using available data for students in grades 3–10. Built predictive models for test-score performance and provided a tutorial on predictive analytic software so that school district staff could continue to explore and mine data independently.
- ▶ **Greif, Inc.**—Implemented a comprehensive environmental, health, and safety system with Perien360 as its core compliance management system. Workers' compensation "ultimate" claim costs decreased from \$5.4 million to \$1.9 million.
- ▶ **Federal Agency**—For a national, multisite, federally funded contract seeking to implement rapid-testing services for HIV, uses predictive analytics to develop risk tiers of individuals based on demographic and behavioral factors; predicts service utilization; identifies clusters of risk factors that co-occur; and examines the strongest predictors of HIV-positive status.

Predictive Analytics

Through predictive analytics, JBS empowers Federal agencies, businesses, and organizations to leverage real-time data and make substantially better decisions. Using the most appropriate and advanced methodologies, JBS can discover patterns and trends and make predictions that have the potential to streamline operations and determine program success while maximizing resources.

Outcomes Monitoring

JBS also works with agencies and organizations to develop methods to monitor the outcomes of program activities. This involves using rigorous methodology within the context of practical programmatic needs for data collection and resources to maximize quantity and quality of the information that is collected and analyzed. We focus on improving program outcomes and promoting sustainability through facilitating data-driven decisions.

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JBS International delivers management consulting services to Government and private-sector clients in the United States and countries around the world. Our broad range of services includes program development, communications, and integrated marketing with a focus on hard-to-reach populations, cultural adaptations, international education, information technology, clearinghouse management, training and technical assistance, research and program evaluation, and strategic planning.