Data Analytics

Integrating Existing Data for Actionable Insight

Gleaning insights from existing data sources on health care services, costs, quality, patient behaviors, and clinical outcomes has never been more challenging, or more critical.

Although there is an unprecedented amount of data available today, providers and payers often struggle to integrate data from diverse systems and extract actionable insights.

Our advanced analytical capabilities can help you derive answers and solutions from your data. Our experience includes integrating complex data sets such as claims, electronic health records, and social determinants of health and biometric data. We use advanced analytics and predictive modeling to synthesize, examine, and inform programmatic decisions, leading to better care from better insights.

Areas of Expertise

- IMPLEMENTING AND EVALUATING VALUE-BASED PAYMENT AND CARE MODELS
- QUALITY MEASURE IMPACT AND OUTCOMES ASSESSMENT
- POPULATION HEALTH MANAGEMENT
- PATIENT-PROVIDER ATTRIBUTION MODELING
Using meta-analysis to understand evaluation results

As part of the 2010 Affordable Care Act, the Center for Medicare & Medicaid Innovation awarded more than 100 Health Care Innovation grants between $1–30 million over a three-year period to implement innovative care delivery models, including care coordination, care management, home care, and telemedicine, with specific, shared goals of improving outcomes and reducing costs.

To move the discussion from “Does it work?” to “Will it work in my setting?” requires fully characterizing the intervention, analyzing and synthesizing immense amounts of sometimes contradictory data, and understanding the methods used to produce it.

Our experts developed a new approach to analyzing the Health Care Innovation Awards (HCIA) that made the lessons learned more useful for policy makers and health care stakeholders. By looking across multiple studies and placing their results on a common scale, meta-analysis allows us to understand evaluation results in a different way.

We also developed a data dashboard to assist decision makers in understanding and using the wealth of information about HCIA interventions that can be adopted to improve care delivery. The dashboard is interactive, which allows decision makers to filter by key features of interest and understand the relationship of those features to programmatic effects. Using this approach, we are able to identify health care payment and service delivery models that lower total costs of care while maintaining or improving the quality of beneficiaries’ care.

Use of these methods has helped our clients adopt intervention success in improving the targeted outcomes and reducing costs. RTI has also contributed to the health services research field of metadata analyses and the use of interactive visualization tools.

Contact Us

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