



## Epidemiology and Statistics

### Overview

Our epidemiologists and statisticians work together to create innovative, comprehensive population health solutions, participating in projects throughout the public health life cycle.

*Specialized Expertise*—We are recognized leaders in epidemiology, frequently overseeing expert panels or contributing to the development of public health guidelines and recommendations for a variety of population health issues. We leverage literature reviews, survey techniques, and observational, program, cohort, or case-control data to study disease distribution, risk factors, treatment patterns, comorbidities, and the burden of illness and health-related conditions, each at the population level.

And we know big data: including Surveillance Epidemiology and End Results, the Behavioral Risk Factor Surveillance System, the National Program of Cancer Registries, the National Claims History, the Area Resource File, and the National Health and Nutrition Examination Survey. We work with clients to manage study data, create analysis plans, and implement statistical methods for health statistics, and are experts in analysis tools including SAS, R, ArcGIS, and SUDAAN.

*Practical Execution*— We know the ins and outs of pharmaceutical, consulting, academic, and governmental environments . We have experience

with chronic and infectious diseases, and have a team of in-house statistical programmers who are familiar with large national data sets and have been trained in health data confidentiality, quality assurance and project management.

### Corporate Capabilities and Services

Our core capabilities span the following services:

- Full-spectrum biostatistical and epidemiologic consulting
- Survey research and design
- Questionnaire and tool development
- Data collection and management
- Study design, sample size calculations, and power calculations
- Geographic information system mapping
- Sample size and power calculations
- Analysis of national-level data sets
- Methodological and etiologic assessment
- Projection modeling
- Development of statistical software and scientific programming

### For More Information

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