

### Bringing Innovation and Agility to Public Health Research



# Epidemiological and Statistical Solutions

- Customized study design to test complex research hypotheses
- Expertise in cohort, case-control, crosssectional, and other study designs
- Statistical analysis plans that maximize data potential without unnecessary complexity
- Extensive publication history using survival analysis, time-series models, qualitative methods, and more
- Exacting analysis leveraging epidemiologic expertise, genetics, mechanistic modeling, and other laboratory data



#### Clinical Trials Research Services

- Best-in-class for clinical and scientific research programs and trials
- Flexible and scalable clinical development planning, protocol design, recruitment, management, and rollout
- International trials network in place to support global site selection



# Data Science, Management, and Machine Learning

- Secure data center for seamless integration, cleaning, and analysis of data
- Flexible analytic solutions designed to fit data management needs
- Advanced model building and decision analysis capabilities
- Intelligent, scalable systems combining human knowledge with machine learning
- Secure cloud-based environment
- Interactive and digestible dashboard reporting



# Public Health Research Support Services

- Renowned survey research and survey methodology expertise
- Multi-modal data collection, study outreach, and participant identification services
- State-of-the-art telephone research center with remote and bi-lingual capability
- BSL-2 laboratory; full service specimen handling, processing storage
- Proven success in longitudinal study design, management and cohort retention

### Scientific Engagement with an Impact

Publications ••• Presentations ••• Capacity Building ••• Leadership

### **Key Customers**

























### Agile Support that Spans the Full Research Cycle



#### **Study Design**

A tailored approach to meet each customer's unique challenges

#### **Data Solutions**

Systems and processes designed to collect, transform, and analyze data

# **Development &**Implementation

Adapting to changes as required, while maintaining quality and reliability

# Research Operations

Managing all aspects, from enrollment and communications to tracking and reporting

### **Expertise in methods and analyses**

- Cohort recruitment and retention
- Genetics
- · Genomics, metabolomics, and exposomics
- Data linkages
- Building indices
- Environmental and occupational epidemiology
- · Geographic information systems
- Geocoding
- Exposure modeling
- · Social determinants of health

### Application of expertise in a range of health conditions

- Cancer
- Maternal health
- · Sleep disorders
- Aging and alzheimer's
- Reproductive health
- HIV and infectious diseases
- Nutritional concerns
- Chronic diseases (diabetes, kidney diseases)
- Health disparities in etiologies, interventions, and outcomes

### **Demonstrated Results**

**30+ years** of managing clinical research **1,800 studies** with more than **140,000** participants enrolled from **650 sites** in **48 countries** 

Diversifying perspectives: partnering with non-tier I research institutes, HBCUs, and small businesses

Engaged 10,000 volunteers to recruit over 50,000 women throughout the U.S. and Puerto Rico for a longitudinal cohort study of environmental risks for breast cancer; over 80% of cohort still enrolled after 20 years

Developed web-based survey for cohort of young African-American women to capture COVID-related experiences

Managed adaptive trials of the safety and efficacy of investigational therapeutics to combat emerging infectious diseases

Recruited 30,000 highly transient workers to study long-term health effects



View our latest publications in our Research Update



