

Making Sense of the Data: Biostatistics

Biostatistics expertise to support critical decision-making.

- Forward-thinking
- Methods-oriented
- Results-driven

Turn Your Ideas Into Knowledge

Our biostatisticians can help with your research projects from protocol design to dissemination of results. From full project execution to supporting single aspects of your ongoing project, we will collaborate with you as part of your team. With extensive experience in multiple therapeutic areas, analytic techniques, and study types, we provide analysis that gives you a solid basis for decision-making. We also provide independent data analysis for interim analyses of clinical trials, so sponsors and study teams may remain blinded to interim results.

We are committed to providing quality deliverables, on time and within budget, on every project, small or large, simple or complex.

Tap Into Our Statistical Expertise

We can help you with all your statistical needs. We help you refine your concept, identify the appropriate study design, plan and implement data collection, prepare data management and statistical analysis plans, conduct analyses, and disseminate research findings.



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Our Statistical Services Include:

- Statistical consulting
- Review of protocols and development of the analysis section
- Development and implementation of statistical analysis plans (SAPs)
- Statistical coordination for:
 - Interim analyses
 - Independent representation to data safety monitoring boards (DSMBs)
 - Clinical development programs
 - Post-marketing studies
- Representation to regulatory authorities
- Safety analysis and signal detection
- Integrated summary of safety/efficacy (ISS/ISE) analysis
- Analysis of data from:
 - Clinical trials
 - Observational studies
 - Retrospective chart reviews
 - Patient registries
 - Claims databases
 - Physician and patient surveys
- Meta-analysis/meta-regression
- Sample size calculation
- Randomization
- Statistical programming
- Quality-of-life analysis, including Q-TWiST

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RTI Health Solutions Key Thought Leaders

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Rely On Our Thought Leaders

Our statisticians, statistical programmers, and econometricians provide cutting-edge statistical expertise. We are experienced in complex analytical techniques including propensity scoring, multiple imputation, and sample weighting. We are GCP-compliant, and our statistical programmers and data managers are accustomed to working with EDC data and other emerging

standards, such as CDISC. We select and implement state-of-the-art analytical methodologies based on project requirements and the type of data.

Furthermore, our researchers are widely published in leading peer-reviewed journals, frequently attend professional meetings, and maintain close relationships with academia.

See How We've Helped Others

Statistical Coordinating Center for a Patient Registry

RTI-HS functions as the statistical coordinating center for a large, multi-year patient registry for a new cancer treatment. The sponsoring pharmaceutical company selected RTI-HS based in part on our biostatistical expertise and experience with the special challenges associated with observational studies. RTI-HS developed the statistical analysis plan (SAP) and continues to provide routine reports and implement hypothesis-driven analyses. Additionally, RTI-HS statisticians participate on the external advisory board and collaborate with the company in presenting data from the registry at internal and external scientific meetings.

Q-TWiST Analysis for an Oncology Drug

RTI-HS implemented a Q-TWiST analysis using data from a Phase III clinical trial of a therapy for an aggressive cancer. RTI-HS designed a detailed analysis plan to:

- Identify the required data elements
- Develop methods to determine utility weights
- Develop methods to account for the time period after treatment changes.

The analysis compared the quality-adjusted survival experience among patients randomized to either treatment or placebo, demonstrating that the increased time to progression was accompanied by palliative effects of the novel drug.

Let RTI-HS Help You

To learn more about our capabilities, please visit us online at www.rtihs.org, email us at rtihealthsolutions@rti.org, or call one of our international offices listed on the front.