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March Newsletter

Real-World Evidence: A Complex Environment

Real-World Evidence

Real-World Evidence (RWE) studies aggregate patient outcomes information resulting from standard practice among diverse sets of patient populations. Data sources can include insurance claims, electronic medical records, hospitals, and others.

Evidence derived from standard clinical practice outside of clinical trials is regarded as a way to customize health care decision making more precisely to individual patients and their specific needs. Assembling and integrating various sources of patient data facilitates better and more effective health care with the improved ability to understand the best options for providing care at an individual patient level.

Retrospective Database Analysis

Retrospective database analyses are a critical component in the hierarchy of evidence. Even product approval does not guarantee payment. Whereas clinical trials show efficacy and safety, real-world evidence primarily focuses on demonstrating effectiveness, product differentiation, and affordability.

CTI has vast experience in retrospective data analyses and can inform the selection of appropriate databases to meet your research objectives. Our unique phased approach allows for exploratory research to assess database / study feasibility for a specific project, including sample size considerations.

We use advanced statistical programming techniques, including randomized observation analyses, propensity scoring, difference-in-difference assessments, and multivariable regression analyses. CTI provides our clients with Medical Directors, regulatory personnel, access to a network of KOLs, and in-house scientific publication development.

[Learn more about RDA](#)

Systematic Literature Review and Meta-Analysis

At CTI, all systematic reviews are performed by experienced scientists, researchers and statisticians (MD,

PhD, PharmD, RN). We utilize methods derived from the emerging science of literature review and statistical synthesis of clinical evidence, in compliance with guidelines from Meta-analysis of Observational Studies in Epidemiology (MOOSE) and Preferred Reporting Items for Systematic Reviews and Meta-analyses (PRISMA).

Systematic review and meta-analyses use transparent, structured and reproducible methodologies to critically analyze published studies to answer your specific research question.

[Learn more about SLR](#)

Medical Data Abstraction

As a full service CRO, our RWE team has the ability to leverage relationships with over 1,000 healthcare institutions in the U.S. and across the world forged through clinical trials. This unique business model enables our team to provide comprehensive retrospective medical data abstraction and prospective studies, to evaluate patient-centered research questions with critical methodologic rigor focused on answers that are not easily obtainable from other sources such as large structured databases.

[Learn more about MDA](#)

Simulation Models for Economic Evaluation

Our team has extensive experience in building simulation models through a wide variety of designs driven by product attributes and global market access needs. Our state-of-the-art simulation models for economic evaluation create the basis for value demonstration of new and existing healthcare treatments.

As with the retrospective database analyses, literature reviews, and medical data abstraction studies, results of our economic evaluations are routinely presented at scientific conferences or published in peer-reviewed medical publications. We can assist in developing an effective strategy to communicate your product's value story through presentation and publication.

[Learn more about simulation modeling](#)

CTI's Real-World Evidence Experience and Solutions

CTI's Real-World Evidence Team delivers a complete spectrum of real-world evidence / late phase research services from bench to commercialization. CTI offers clients a complete portfolio of Real World Evidence services to assess the effect of health care interventions on patient-related, clinical, and economic outcomes. CTI's RWE Team is focused on advising and supporting our clients in translating product-specific clinical effects into economic and humanistic outcomes through a variety of data sources and methodologies. As a full service CRO, CTI is able to perform economic evaluations in clinical trials and conduct prospective evaluations in real-life settings.

Additional Highlights

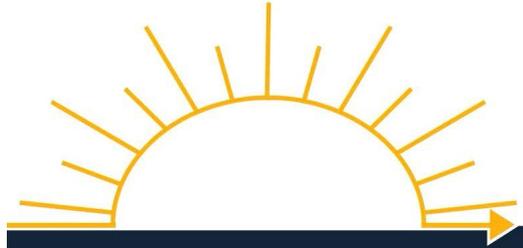
The CTI Way

There is a unique culture that exists at CTI, a method of approaching our work and interacting with our coworkers that we have come to refer to as "The CTI Way."

As we make our way towards our 20th year, each month we will be highlighting a different theme or aspect of "The CTI Way." The theme for the month of March is "**Inspire.**"

The employee of the month is awarded to the candidate who exhibits strength in CTI's core values, best exemplifies "The CTI Way" theme of the month, and consistently demonstrates outstanding performance.

The CTI Way is to **INSPIRE**



The CTI Mentoring program matches employees based on their past experiences and future goals.

By facilitating opportunities to learn, teach, share experiences, and spark new ideas, the program allows team members to find inspiration in one another.



The CTI Way - Working Hard Because Our Work Matters



Employee of the Month

Brittany Lockwood

Brittany works at the Clinical Research Center as a Research Assistant. Although Brittany may not realize it, she is an inspiration and role-model to her colleagues. She has become a team leader and mentor to the other research assistants who look to her when they have questions or need help. Not only is Brittany looked up to by her co-workers, she is also great with patients and all of our subjects love her.

Over the last year, Brittany has grown tremendously as she has taken on numerous roles and tasks that many are not aware of. Brittany is a very devoted employee and is always willing to help out wherever it is needed. She doesn't think of all the work she does on a daily basis as great accomplishments, rather she sees it as a job that needs done and she gets it done. Brittany's job tasks reach far beyond her job title, and her hard work has not gone unnoticed.

Congratulations, Brittany, on your well-deserved award!

Upcoming Meetings We'll be Attending

Eye for Pharma
Philadelphia, PA
April 10-11

EASL (International Liver Conference)

Paris, France

April 11-15

ARM's Cell & Gene Therapy Investor Day

New York, NY

April 17

DIA Europe

Basel, Switzerland

April 17-19

Academy for Managed Care Pharmacy (AMCP)

Boston, MA

April 23-26

International Translation and Regenerative Medicine Conference

Rome, Italy

April 25-27

The European Conference on Rare Diseases & Orphan Products (ECRD)

Vienna, Austria

May 10-12

Biomed 2018

Tel Aviv, Israel

May 15-17

World Advanced Therapies & Regenerative Medicine Congress

London, England

May 16-18

American Society of Gene & Cell Therapy (ASGCT)

Chicago, IL

May 16-19

Non-alcoholic Steatohepatitis (NASH) Biomarkers Workshop 2018

Washington, DC

May 18-19

ISPOR 23rd Annual International Meeting

Baltimore, MD

May 20-23

Outsourcing in Clinical Trials East Coast (OCT)

Philadelphia, PA

May 22-23

American Society of Oncology (ASCO)

Chicago, IL

June 1-5

American Transplant Congress (ATC)

Seattle, WA

June 2-6

Digestive Disease Week (DDW)

Washington, DC

June 2-6

SLEEP 2018

Baltimore, MD

June 2-6

Bio International Convention

Boston, MA

June 4-7

International Vicenza Course on Acute Kidney Injury (AKI) & Continuous Renal Replacement Therapies (CRRT)

Vicenza, Italy

June 12-14

23rd Congress of European Hematology Association (EHA)

Stockholm, Sweden

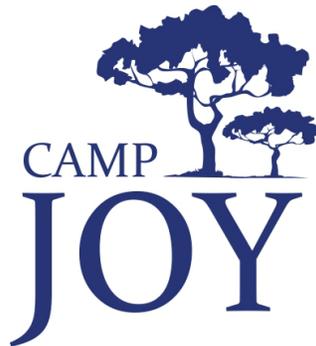
June 14-17



Join Our Team!

We are currently seeking qualified individuals to join our team!

[Search Open Positions](#)



CTI Cares

This month, the CTI family is raising money to support Camp Joy. Camp Joy is an organization that provides disadvantaged children unique, hands-on, outdoor experiences. The mission is to enhance self-esteem, learn new skills, and build relationships with those in similar situations.

[Learn more and donate](#)



New Hires & Promotions

CTI is thrilled to welcome all of our new employees, and to congratulate our recently promoted employees!

[View New Hires and Promotions](#)

CTI in the News:

CTI Announces Promotions of Joseph Mooney and Sandy Stagge

CTI Clinical Trial and Consulting Services (CTI), a multi-national, privately held, full-service contract research organization is pleased to announce the promotions of Joseph (Joe) Mooney and Sandy Stagge to Senior Corporate Counsel and Senior Director, Clinical Trials respectively.

[Read on »](#)



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