



CTI Clinical Trial and Consulting Services named "Best Places to Work" in Greater Cincinnati for Second Consecutive Year

## Patient Registries: An Emerging Tool in Safety Surveillance and Evidence-based Medicine

According to the Agency for Healthcare Research and Quality, a patient registry "is an organized system that uses observational study methods to collect uniform data (clinical and other) to evaluate specified outcomes for a population defined by a particular disease, condition, or exposure, and that serves one or more predetermined scientific, clinical, or policy purposes." CTI continually utilizes registries such as UNOS ([www.unos.org](http://www.unos.org)) and USRDS ([www.usrds.org](http://www.usrds.org)) to provide valuable insights and guidance in evidence-based medical decisions in various medical fields.

During CTI's vast experience with registries, we have learned that, when compared with clinical trials (the gold standard for establishing treatment efficacy), registries have advantages since they can be designed to more accurately represent "real-world" patient care by including all patient subgroups (e.g., children) that receive intervention and represent real-world practices by including local standards of medical care. Additionally, registries generally follow much larger numbers of patients and for longer periods of time. As a result, registries can add considerable value to the description of outcomes; permit multiple outcomes to be assessed in the same study; and can be used to study exposures that are relatively uncommon.

CTI also recognizes that one of the disadvantages in a registry is the ability to assess whether the association between treatment and outcome is of a causal nature or not. When facing this potential challenge, CTI suggests applying multivariable techniques judiciously, including the Propensity Scoring method. This method can be used in at least three ways in order to reduce treatment selection bias: (1) matching, (2) stratification, and (3) adjustment in regression analysis.

When designing a potentially successful registry, CTI advises, first and foremost, that the registry must be relevant to the physician's practice and must be scientifically credible. Secondly, the registry should include non-monetary incentives such as site-specific reports and publication strategy. Lastly, the registry should be designed such that the burden of participation is kept to a minimum.

CTI believes that patient registries are a valuable tool, providing evidence of the real-world results of medical products, therapies and services beyond the randomized controlled trial.

### Contact:

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### Upcoming Medical Meetings CTI will be Attending ...

CTI will have a significant presence at upcoming medical meetings over the next few months.

EBMT Meeting – Vienna, Austria  
March 21 – 24, 2010

ACMG Genetics Meeting  
Albuquerque, NM  
March 24-28, 2010

EASL- Vienna, Austria  
April 14 – 18, 2010

ISHLT – Chicago, IL  
April 21-24, 2010

### CTI will be exhibiting:

ATC – San Diego, CA  
May 1 – 5, 2010  
[www.atcmeeting.org/2010](http://www.atcmeeting.org/2010)

BIO International – Chicago, IL  
May 3-6, 2010  
<http://convention.bio.org/>

If you are interested in scheduling a meeting with CTI at one of these events, please contact Sharon Hines at 513-598-9290 or via email at [shines@ctifacts.com](mailto:shines@ctifacts.com)

### Employee Update

*Please welcome the newest addition to CTI:*

*Mackenzie Angner – Research Associate*