

# Adaptive Clinical Trials

## Complete technology solutions for your adaptive trials

### Key features

- **Technology implementation consulting**
- **Trial supply planning and consulting**
- **Fully integrated technology solution for clinical data collection, randomization and trial supply management**
- **Single project manager coordinating all technology delivery**
- **Fully validated implementation solutions for all types of adaptive trial designs**
- **Timely provision of data to Data Monitoring Committees**
- **Full hosting and integration with Bayesian response adaptive algorithms**

### Promise of Adaptive Clinical Trials

Adaptive clinical trials offer enormous potential in today's drug development process. They can facilitate better decision making by enabling more dose levels to be studied in Phase II dose-finding studies while maintaining practical sample sizes. In addition, they can reduce the time between development phases using seamless designs and aid the early identification of failing compounds.

Adaptive clinical trials rely upon the ability to make mid-study changes to the treatments studied. Rapid access to patient safety and efficacy data, from which decisions can be made, is critical to adaptive clinical trials' ability to make mid-study changes. It is also essential to be able to quickly and simply implement changes to the randomization algorithm and respond immediately to the resulting changes in medication supply requirements, ideally without detection by trial personnel.

Adaptive trials solutions integrating EDC, ePRO, IVR, and supplies simulation and forecasting provide the key to trouble-free implementation of these complex designs.

### Key Benefits

- Confidence of working with one of the most experienced technology providers for adaptive clinical trials
- Secure and tailored technology solutions to ensure the seamless implementation of your study
- Ensuring your study remains on track with ongoing clinical supply monitoring
- Immediate access and reporting of key response and decision data
- Confidence that study personnel will remain unaware of the timing and nature of trial adaptations
- Reduced burden on study teams by working with a single provider for all your adaptive trial needs

## Adaptive Clinical Trials

### Leading Technology Solution and Expertise

Perceptive Informatics is one of the leading providers of key technology to support adaptive clinical trials. Combined with leading consulting expertise, our integrated suite of technology solutions provides the necessary building blocks required to implement an adaptive trial design. Our integrated solution incorporates:

- DataLabs® EDC solution for rapid clinical data access and cleaning
- A fully integrated ePRO solution (via either IVR or device-based) with data viewed directly through the EDC solution
- Leading IVR/IWR randomization solution incorporating validated adaptive trials methods and integration with Bayesian algorithms
- Trial supply management using IVR/IWR with automated supply adjustment following design changes
- Pre- and mid-study supplies simulation to forecast study medication requirements in combination with consulting from our in-house supply chain analysts

Our adaptive trials solution is underpinned by our unique proprietary integration software and represents a complete technology solution for all your adaptive trial needs.

