

Clinical Trial Automation

Challenge

A leading pharmaceutical services provider was interested in developing a system to streamline the ratings collection process for their clients' clinical trials. Many study sponsors desired better methods for the collection of ratings. They needed better security, monitoring and reporting to sponsors as well as increased quality of ratings within and across study sites.

What We Delivered

Brady and Associates was engaged to design a custom application that automated the rating process. The system enables high quality audio/visual recording of interviews with clinical trial participants. The system displays rating scales (windows or web) using an intuitive interface and enabling the clinician to enter ratings during interviews. When an interview is completed, the data and recording are encrypted and uploaded to a secure server, which trial oversight clinicians and independent reviewers can immediately access from any site to continue the trial protocol without delay.

The application was built using .NET and includes a loosely coupled, layered architecture, custom scale controls, high resolution video capture, h264 encoding and AES encryption, Silverlight and satellite assembly-based localization.

Results

This product has become an established and successful component in clinical trial data collection for high-profile studies conducted by some of the largest pharmaceutical companies in the world. Our client has been able to significantly improve the efficiency and speed of clinical trial ratings collection and reporting for their large pharmaceutical clients. With this product, their recurring revenue has increased from 20% to 60%.

Quick Facts

Industry

- Pharmaceutical CRO

Project Type

- Clinical trial automation

Technology

- .NET
- Loosely coupled, layered architecture
- Custom scale controls
- High resolution video capture
- h264 encoding
- AES encryption
- Silverlight
- Satellite assembly-based localization.