

Client

One of the largest pharmaceutical companies in the world.

Goal

Develop a smartphone application to track clinical trial data on HIV medication.

Business Impact

Enabled tracking of drug usage, symptoms, and progress across a number of popular mobile devices.

Mobile App for Clinical Trials

Iris developed a mobile app to capture clinical trials data on a life-saving drug.

Overview

Iris worked with a leading Pharmaceutical company to communicate and help positively reinforce dosage, lifestyle and related consumption recommendations for a life-saving medication.

Iris was engaged to develop a multi-device application that would help our client capture clinical trials data of a significant life-saving medication. The mobile solution allows a clinical trial participant to seamlessly switch between their in-home computers and their smartphones to record and communicate health information to our client's healthcare teams.

The challenge

Our client is engaged in the research and marketing of an innovative medication for individuals afflicted with the HIV virus. It was critical that the clinical trial be conducted in the least intrusive manner possible for the patients who participated in it.

With the growing popularity of smartphones and tablets, our client wanted the software application to be available on their mobile devices with a capability to work their existing computing equipment.

Participants in the clinical trials needed to be presented with various options to stay on track with the prescribed dosage, and medication plans. The application should help patients track the symptoms of their HIV treatment while going about their normal activities through the day.

The solution

Iris proposed and delivered a mobile solution that worked on a number of mobile devices on the Android and iOS smartphone and tablet forms.

With an easy-to-use interface, the application uses native phone functions such as calendars and reminders to help take the medication, record health symptoms and observations, and exchange data securely.

It allows users to perform a number of activities including:

- Set calendar date/times and reminders for consumption of medication and to log intake
- Append blood work data and other pathology data
- Get educational resources related to their health condition
- Log symptoms related/unrelated to their health condition
- View reports of medication consumption and pathology data for a specified duration
- Transfer information from their smartphones to other systems as well as transfer data to their physicians and the client's healthcare teams.

Tools & technologies

iOS SDK, Android SDK, Flurry, SVN & JIRA, Visual SourceSafe 6.0, J2ME, Eclipse, SQLite

Technical highlights

- Multiple mobile environments: iPhone 3/4/5, iPads, Samsung Galaxy, HTC Incredible, Nexus smartphones
- Single code base for reduced maintainability
- Use of native features on each platform such as alerts, reminders, and calendars
- Highly usable application interface
- Charting controls to display progress
- Link-based repository services
- Security and privacy settings
- Background analytics to assess consumer behavior

The Iris advantage

Vision to Reality: The client's need for a software application was translated into a mobile solution that would be convenient for the target audience to use.

Speed to market: Iris delivered a solution within 3 months from start.

Execution excellence: Iris' technical expertise in designing mobility solutions helped build a solution that worked well on all targeted platforms.

Predictable paybacks: The solution was designed to work on all popular smartphone platforms; work was completed on time and budget.



About Iris

Iris (www.irissoftware.com) is a professional software services organization providing its customers with high-quality, cost-effective solutions and developing mutually beneficial relationships. Iris does this through comprehensive solution offerings with best-of-breed technologies, rapidly deployable solutions, flexible engagement models and proven methodologies. This allows customers to focus on their core competencies, and concentrate IT resources on projects that directly impact their bottom-line.