

Clinical Trial Finder - A Comprehensive Mobile Application

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1. Background

Engagement is a critical aspect of the successful completion of a clinical trial. Without enough engagement and recruitment, clinical trials are frequently terminated or unable to achieve statistically significant results. Significant factors associated with poor recruitment in failed trials include low physician referral rates, lack of awareness of clinical trials in patients, and a lack of available information regarding clinical trials. Nearly one in four publicly sponsored cancer clinical trials failed to achieve adequate recruitment to demonstrate statistical significance in their findings.

2. Goals

To overcome the recruitment obstacle, it is vital to foster engagement from the three primary stakeholders of a clinical trial: patients, physicians, and study teams.

3. Solutions and Methods

Our efforts to increase engagement among all three major stakeholders led us to develop solutions tailored to their needs. With this in mind, a software tool was designed for each stakeholder: a mobile referral app for physicians (named as KUCC Clinical Trial Finder); a cancer clinical trial search system for patients on the KU Cancer Center website (Find a Clinical Trial); and an accrual prediction application for the study teams (KUCC Accrual App.).

4. Outcomes

The mobile application was launched in late 2020 for both Apple and Android users. So far, more than 300 users have downloaded the application. We have received overwhelming appreciation regarding the ease of use and a comprehensive list available at the fingertips. Patients and their families are also able to utilize the application to identify the various open trials that are available.

5. Lessons Learned

Our non-cancer disease teams have approached our team to build a similar application to streamline their studies. We anticipate extending the application to other major non-cancer diseases such as cardiology, internal medicine, and neurology.

Figure:

