Healthcare User Experience: Clinerion Patient Recruitment System (PRS)

A big data solution for patient recruitment for more effective and cost efficient clinical trials

User Experience at a Glance

ISTANBUL UNIVERSITY
Clinerion’s Patient Recruitment System (PRS) solution facilitates the electronic recruitment of patients and trial sites, by using real-time EHR data. The solution can be deployed for all disease indications in interventional and observational trials, as well as in emergency, in-patient, or out-patient hospital settings.

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Executive Summary

Founded in 1827, the medical school of Istanbul University is the oldest and largest medical school in Turkey and enjoys a high academic reputation for its research outcome.

Istanbul University is comprised of three medical schools – Istanbul Medical School (so-called Çapa), Cerrahpaşa Medical School and Istanbul Dentistry School – and six institutes (Cardiology Institute, Oncology Institute, Paediatric Care Institute, Experimental Medical Research Institute (DETAM), Drug Research Institute (ILAM), Health Science Institute).

Combined, these medical organisations annually conduct 190 sponsor initiated trials and 137 investigator initiated trials. Although several of these institutions are currently using Clinerion’s PRS solution, this paper only looks at the user experience of selected investigators at the Cerrahpaşa Medical School and the Cardiology Institute, as these two establishments have been using PRS the longest (since November 2013).

Cerrahpaşa Hospital, established in 1967, has 1,358 beds and its 1,900 physicians annually treat 927,611 patients. The Cardiology Institute is smaller in size, with 113 beds and 33 physicians treating 75,840 patients per year.
A credible PRS delivering tangible benefits and scope for the drugs trial market

As the development of drugs is a highly expensive and a long-drawn out process, it makes good sense to use technology where possible, to make the procedure more efficient and timely, without compromising security. Replacing manual screening with an electronic search routine is a serious improvement, as has been demonstrated by the experiences of users of Clinerion’s PRS.

Although PRS has only been launched in 2013, it has already attracted leading players in the domain of pharmaceutical companies and contract research organisations (CROs).

Clinerion continues to make improvements to its PRS, especially with respect to usability. However, many will be attracted to the fact that the adoption of PRS accelerates the clinical trial process, by helping to optimise protocols, select high-potential trials sites and find a greater number of suitable patients in a much shorter time frame. Patient identification is based on real-time data, with less time wasted on activities, such as feasibility tests and manual searches, making the trial site more efficient. With higher efficiency and more patients recruited, trial sites can run more innovative studies and increase their reputation for high performance.