Clinical trials remain the best avenue to establish the efficacy of newly proposed interventions. However, recruitment, retention, management, and execution of clinical trials have numerous associated challenges that can impact successful completion. From feasibility analysis, to enrollment targets, there are quantifiable barriers to trial recruitment that arise in part from the manual process of screening candidates. Examples include the need to manually review medical records including information from multiple locations, the need to consider complex recruitment criteria for a multiple trials, and overburdened care-providers. Additionally, clinicians expressed the strong need for the patients to be identified BEFORE their date-of-service so they and clinical trial staff can engage them during their appointment. Thus, it is critical to provide more automated solutions to pre-screening that can efficiently facilitate recruitment.

Goals

Our goals include improving the efficiency of clinical trial development through delivery of improved feasibility analysis and improved management of clinical trials through automated pre-screening of candidates.

FUTURE DIRECTIONS

During the initial roll-out, we have identified some critical areas-of-opportunity for future developmental efforts. These include hardware and software improvements, data source management and growth, data transfer and automation, UI development, NLP and improved unstructured data searching capabilities.