Deep 6 AI and Graticule Partner to Accelerate Clinical Trial Recruitment

New, first-of-its-kind algorithm brings speed and precision to patient enrollment for a life-saving heart device trial

Deep 6 AI, a leading AI-powered precision research platform for healthcare organizations and life sciences companies, announced its partnership with Graticule, an on-demand, advanced real-world data and advisory services provider. The two companies are designing research algorithms and real-world data services to better identify and prioritize patients for clinical trials across many disease indications. Their first algorithm automates patient screening for a sponsored cardiovascular medical device trial. This time-saving technology, coupled with rapid implementation services, is being actively piloted at sites in the Deep 6 AI research ecosystem to accelerate trial completion.

Key measurements indicating a patient's eligibility for the clinical trial or qualification for standard of care treatment, such as the measure of the heart's ejection fraction, did not exist within structured electronic medical record (EMR) data. The solution developed by Deep 6 AI and Graticule uses artificial intelligence (AI) and natural language processing (NLP) to mine large, real-time pools of structured and unstructured electronic medical record (EMR) data, such as clinical notes, radiology reports, and catheterization lab reports, to precisely identify a cohort of eligible patients and extract key insights into each patient's condition and history. The screening algorithm then uses these insights to qualify and prioritize eligible patients to provide a clearer picture of the patients most likely to benefit from the intervention. The extracted, relevant information is presented to the research team in useful and intuitive ways.

"Traditionally, it takes up to two years for life sciences companies to get access to EMR data to develop novel patient matching algorithms," said Dan Housman, Chief Technology Officer, Graticule. "Additionally, traditional methods of 'clinical data pulling' often burden an already overworked hospital IT staff. We partnered with Deep 6 AI to accelerate the development and deployment of screening tools that reduce site burden through access to ready to use deep EMR data from 1K+ research facilities across the Deep 6 AI ecosystem."

"We help clinical research teams identify targeted patient populations with great precision and speed by using AI to mine deeper data that goes beyond traditional claims and structured EMR data," said Wout Brusselaers, founder and CEO, Deep 6 AI. "By applying Graticule's real-world data research methods and advisory services to the real-time, real patient data within our research ecosystem, we have drastically improved the utility of the research algorithms and screening processes we offer."

Source: [Deep 6 AI](#)

Published on : Fri, 5 Jan 2024