

SETTING THE WORLD ON FHIR®

Published by HL7®, an international not-for-profit organization, Fast Healthcare Interoperability Resources (FHIR®) is a standard for exchanging healthcare information electronically.

A series of case studies illuminating how HIT professionals are using HL7®FHIR® to improve and advance modern healthcare

RIMIDI

Created by doctors, for doctors, Rimidi is a cloud-based software company that enables personalized management of health conditions across populations. As early pioneers of SMART on FHIR®, Rimidi's apps work directly within leading EHRs - no separate sign in, no workflow disruption, better clinical efficiency. Rimidi combines patient-generated health data from connected devices or patient reported outcomes measures with clinical data to drive patient-specific clinical insights and actions through embedded clinical decision support cards.

EMORY HEALTHCARE

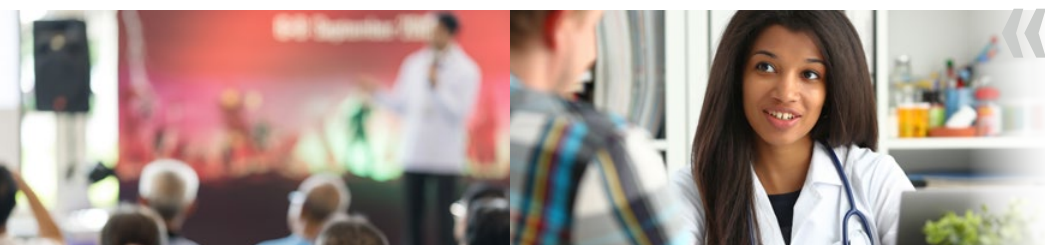
Part of Emory University, Emory Healthcare is the largest health care system in the state of Georgia, USA. Many of the physicians are also researchers and educators—which means they take part in valuable clinical trials and help develop new and better ways to prevent and treat disease.

Goal

- To create a more collaborative and transparent experience for patients referred to the deep brain stimulation (DBS) program for Parkinson's and other neurologic conditions at Emory Healthcare



CASE STUDY



FHIR allows our web application to merge patient and provider experiences into one, while still having tight integration to the broader EHR platform and data set.

— Dan Bonistalli, director of product, Rimidi

Opportunity

- To leverage HL7®FHIR® APIs to develop a patient journey mobile app linked with a provider-facing SMART on FHIR application to streamline the DBS patient journey

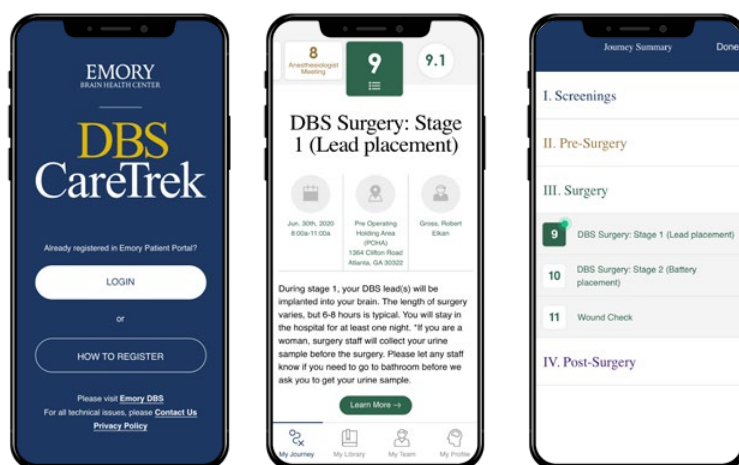
Project

DBS CareTrek was collaboratively built by Emory Healthcare and Rimidi. Emory designed the patient journey, identifying opportunities for patient education, better communication and enhanced transparency about the process. Rimidi worked with Emory clinicians and IT staff to bring this vision to life.

Through a collaborative, team-based approach, the final product satisfies multiple stakeholders including patients, clinicians, administrative staff and IT. The end product seamlessly integrates into the Cerner platform as a SMART on FHIR provider-facing application and a patient-facing mobile app (iOS and Android). As one of the first FHIR apps in production at Emory Healthcare, there was ample opportunity for learning on both sides of the partnership.

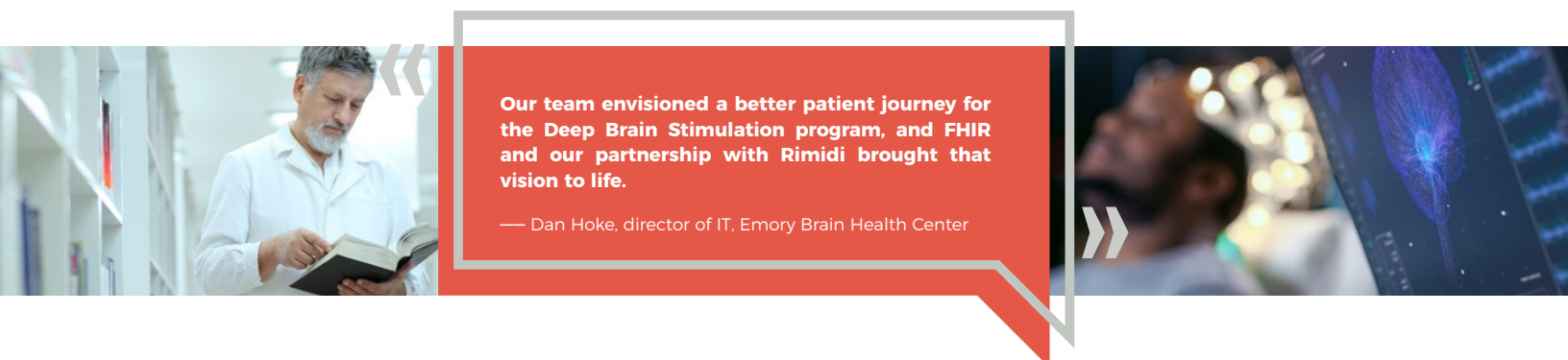
The FHIR resources used include:

- Patient
- Practitioner
- Appointment
- MedicationOrder
- Device
- Encounter
- DocumentReference



Progress

As the app is being launched to the initial cohort of patients in Summer 2020, Emory and Rimidi are already envisioning opportunities to leverage this patient journey framework to support additional service lines and use cases.



Our team envisioned a better patient journey for the Deep Brain Stimulation program, and FHIR and our partnership with Rimidi brought that vision to life.

— Dan Hoke, director of IT, Emory Brain Health Center

