

DRE Clinical Decision Support System

Global Pharmaceutical Organization

Business Problems

- Develop a platform that can predict **drug resistant epilepsy (DRE)** at the diagnosis stage of patient treatment
- Develop a **Clinical decision support platform** to drive predictive analytics and make it accessible to healthcare professionals to improve quality of care for epileptic patients
- Develop a **Platform to be used for multiple purposes** (Software as a Medical Device), including patient risk stratification, early intervention, etc.

CitiusTech Solution(s) & Value Delivered

- ▶ Designed a **Drug-Resistant Epilepsy (DRE)** application to identify high-risk patients' developing drug resistant epilepsy
- ▶ Designed a **Treatment Decision Support System (TDSS)** to reduce the years of treatment trial and error faced
- ▶ Built **predictive algorithms** to generate insights into **drug effectiveness and patient characteristics**
- ▶ Created a **product vision and future roadmap** for AI/ML-based SaMD
- ▶ Developed a **predictive analytics suite** to support the epilepsy community



85%

Reduction in new environment setup

Enable PCPs

to create personalized pathway

Help address unmet needs

in DRE diagnosis

90%

Reduction in time to ingest data