

# Value-driven Engagement: DRE clinical decision support system

**5+** | Years of relationship  
**3+** | Engagements to date

## Business Problems

Develop a platform that can predict **drug resistant epilepsy (DRE)** at the diagnosis stage of patient treatment

**Clinical decision support platform** to drive predictive analytics and make it accessible to healthcare professionals to improve quality of care for epileptic patients

**Platform to be used for multiple purposes** (Software as a Medical Device), including Patient Risk Stratification, Early Intervention

## 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 treatment trial and errors faced over the past years
- ▶ 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*

**Unmet needs**  
*addressed in DRE diagnosis*

**90%**  
*Reduction in time to ingest data*