

Predictive Analytics: Mighty AI Tool to Avert Care Emergencies



In collaboration with a Michigan-based healthcare organization, we developed an AI-powered analytics engine. This advanced tool analyzes massive patient data to predict outcomes like hospital readmissions and disease progression, enhancing clinical care efficiency.

40%

increase in
doctor engagement

85%

improvement in care-
delivery rate

**Accurate forecast
of outcomes**

Personalized treatment strategies

01

Data Quality and Reliability Challenge

Faced challenges with data quality and reliability, essential for accurate ML predictions. Solution: Implemented SYNCMesh & Data Steroid ensuring high-quality, reliable data from various sources like EHRs, Claims.

02

Resource-Intensive Training Process:

The training of ML models required significant time and resources. Solution: Utilized Data Steroid for data preparation, followed by working on the ML model to ensure accurate, unbiased predictions.

03

Model Validation and Inference

Ensuring the trained model's accuracy and reliability was crucial. Solution: Developed standardized protocols for algorithm validation and benchmarking, continuously monitored, and periodically retrained.