

ML & AI for Healthcare

Mosaic data scientists pull together many different medical and other relevant data sources, build models to predict potential outcomes, and offer decision support at critical points of service. The ability to confidently make these decisions by combining data-driven insights with provider expertise saves lives, increases workforce efficiency, limits risk and liability, manages costs, and enables more effective care.

Potential Machine Learning & Artificial Intelligence Applications



Population Health Management

In order to get to value-based care, care organizations need get a handle on PHM. To improve the overall health of a population, it is critical that providers can extract actionable insights from patients' clinical and financial data, as well as data on the social determinants of health.

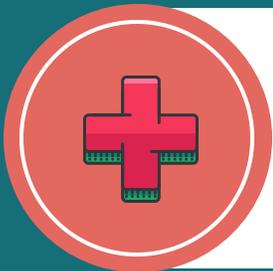
Customers -> Children's Health of Colorado, CDC, CMS



Medicine Trial Forecasting

Dependable recruitment forecasts can enable more realistic recruitment expectations, leading to improvements in decisions related to clinical trials, such as the selection of a baseline trial recruitment plan, how many and which sites and investigators to select for a trial, and when and how to intervene to improve recruitment during a trial.

Customers -> Novo Nordisk



Predictive Treatment Analytics

Machine learning models can identify effective disease management and treatment strategies in order to improve patient outcomes while controlling lifetime cost of treatment.

Customers -> Health Catalyst, ThedaCare, CMS, CDC



Computer Vision & NLP

Machine vision & NLP can save lives, plain and simple. In the high pressure world of complex surgery, computers can work with humans to identify biological risks. Insights can aid doctors in identifying predictive biomarkers, improving patient outcomes. NLP can automate tasks needed for understanding text information, improving review accuracy.

Customers -> Northwell Heath, CDC



Patient Forecasting | Predictive Scheduling

Using AI to predict patterns in utilization can help to ensure optimal staffing levels while reducing wait times and raising patient satisfaction. Analytics can model patient flow patterns and highlight opportunities to make workflow adjustments or scheduling changes.

Customers -> ThedaCare, Children's Healthcare of Atlanta

