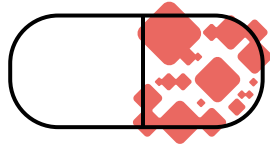


# ML & AI for Healthcare

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.

## Healthcare Use Cases



### Recruitment Trial Forecasting

Reliable 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 to improve patient outcomes while controlling the 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.

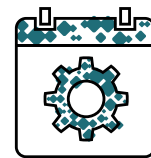
**Customers:** Northwell Heath, CDC



### Population Health Management

To get to value-based care, care organizations need to 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 and data on the social determinants of health.

**Customers:** Children's Health of Colorado, CDC, CMS



### 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