Case Study:
Identifying At-Risk Patients
for Early Intervention

About the Client

Top Health Insurance Firm

Challenges

A top health insurance firm was looking to predict patient risk scores for early intervention, as well as the context around how to best intervene at-risk individuals. Due to the firm's limited staff, ensuring they targeted the right patient population was critical

Predicting Patient Risk Scores

By using historical claims data to construct patient history, we were able to predict individual risk scores for an adverse health condition. We then used behavioral data to provide contextual insights, so the care team could design intelligent intervention campaigns. The results were stacked, ranking patients with the highest risk scores first. The risk scores were then used to intervene or take suggestive preventive care measures. Predictions of adverse outcomes, such as visits to the hospital or emergency department, were also provided. Risk scores were then provided weekly in a tabular format and indexed by unique identifiers and timestamps. The care team ultimately saw an increase in their productivity, as well as an improvement in overall patient health.

Impacting Healthcare with TeraCrunch Solutions

Utilizing TeraCrunch's *Patient Risk Score* Solution, **care teams can identify at-risk patients at 89% accuracy. More importantly, our solutions identify these patients very early in the process.** This helps set up early interventions, improves patient's health, and increases productivity.

Key Benefits

Provides context on why, so personalized intervention plan can be built

Identifies at-risk patients very early, at 89% accuracy

Reduces cost of care per patient

TeraCrunch Value Proposition

Our approach is fast, flexible and collaborative. We work as an extension of your team. No long-term contracts, disruption to your IT infrastructure, or need to invest in expensive talent and software!

1. IDENTIFY
You provide us with your business problems and sample data

2. ASSESS
We provide a free proposal, based off a data quality and viability check

3. SOLVE
We complete a full-scale cloud-based solution in 6-8 weeks

Contact us for a demo at advancedanalytics@teracrunch.com