



IMPROVING PATIENT SAFETY WITH DATA-DRIVEN CLINICAL DECISION INTELLIGENCE

THE SOLUTION

AE Partners began with a comprehensive analysis of the organization's clinical, operational, and financial data.

Deep Operational Analysis

Our team evaluated more than:

- 17,000 patients
- 50,000-60,000 appointments
- 2.5 years of historical data

This included a detailed review of:

- Clinical outcomes and patient records
- Visit frequency and appointment patterns
- Staffing levels and care manager workloads
- Insurance reimbursements and revenue streams
- Medication, equipment, and operational costs

By connecting these datasets, we were able to identify the underlying drivers influencing both patient outcomes and program profitability.

Predictive Modeling & Strategic Planning

AE Partners developed an advanced predictive model designed to help leadership make informed operational decisions.

The model enabled the organization to:

- Forecast patient demand and visit volumes
- Predict staffing requirements for care managers
- Model revenue and operational costs
- Identify the most efficient allocation of clinical resources

This allowed the organization to move from reactive planning to a proactive system that balanced patient care needs with operational sustainability.



THE CHALLENGE

Chronic care management sits at the intersection of clinical care, operations, and reimbursement. When these systems are not aligned, organizations often face:

- Limited visibility into patient demand
- Inefficient workforce allocation
- Administrative strain on care teams
- Uncertainty around revenue and profitability
- Difficulty scaling programs without increasing costs

Leadership knew the program had strong patient value—but lacked the operational insight required to scale it sustainably.

They needed a clearer system for understanding demand, planning resources, and making confident operational decisions.



THE RESULTS

The engagement delivered measurable improvements across revenue, efficiency, and profitability.

Key Outcomes

95% predictive accuracy

The demand forecasting model enabled highly reliable operational planning.

23% increase in revenue per patient

Improved patient engagement and resource alignment strengthened financial performance.

4% increase in monthly revenue

Operational improvements translated into steady revenue growth.

38% increase in monthly profit

More efficient staffing and planning significantly improved margins.

9% increase in care manager productivity

Better workload distribution allowed care managers to focus more time on patient care.