



2026 | CASE STUDY | NETWORK SCIENCE

REDUCING PATIENT DROPOUT THROUGH AI-POWERED DIABETES CARE

Overview

1.

A global diabetes care leader faced high dropout rates among insulin-dependent patients. Lifestyle barriers, side effects, and inadequate support drove treatment discontinuation. The company deployed an AI-powered Early Warning Engine to identify at-risk patients and intervene before they dropped out.

Solutions & Strategy

2.

Implemented an AI-powered early warning system to identify at-risk patients and enable timely, personalized interventions before treatment dropout occurred."

Solution

AI Early Warning Engine

Dropout Risk Prediction

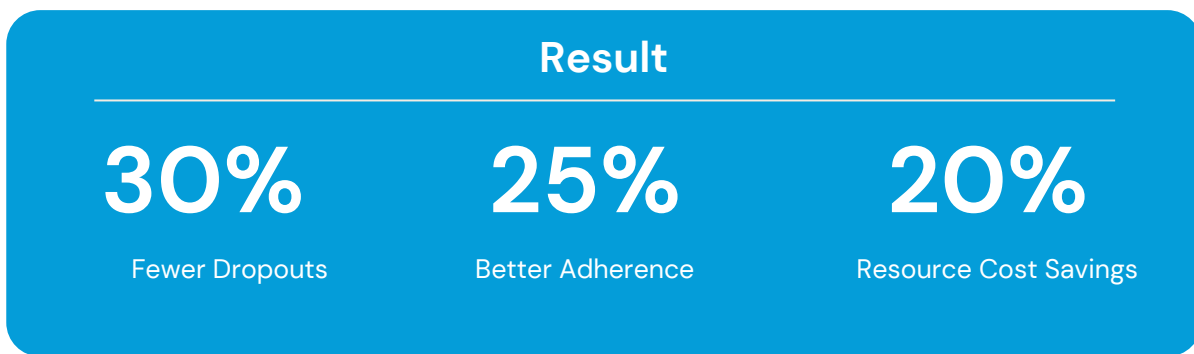
Personalized Patient Outreach

Continuous Care Optimization



4.

- Patient dropouts reduced by 30% through timely, targeted interventions.
- Medication adherence improved by 25%.
- Average HbA1c levels decreased by 0.5%, improving long-term health outcomes.
- Support program costs reduced by 20% through targeted, efficient resource allocation.



AI-powered prediction and personalized engagement reduced patient dropouts, improved treatment adherence, and enabled proactive, data-driven diabetes care at scale.

