

TREDENCE
— Beyond Possible —

 databricks
**DATA+AI
SUMMIT**
2025

A background image showing three healthcare professionals (two women and one man) in white scrubs, looking at a tablet held by the man. They are in a clinical setting with blue lighting.

Designing Tomorrow's Healthcare with Intelligence at the core

Tredence accelerates healthcare's evolution through intelligent, outcome-led modernization — making care smarter, faster, and more impactful. By aligning clinical priorities with next-gen data ecosystems, Tredence enables seamless transitions to scalable platforms, AI-driven insights, and context-aware decisioning. From optimizing population health strategies to redefining care pathways, we help healthcare enterprises shift from systems of record to systems of value — ready for the next era of precision care.

Empowering Healthcare's Future: AI-driven Modernization and Value-based Care

01

Migrate to Modernize: Powering Smarter Healthcare Decisions

Modernizing healthcare involves seamlessly integrating patient records, clinical systems, and IoT devices. Leveraging GenAI insights and Agentic AI's predictive capabilities, we optimize workflows, enhance resource allocation, and improve care delivery—ultimately boosting operational efficiency and patient outcomes.

02

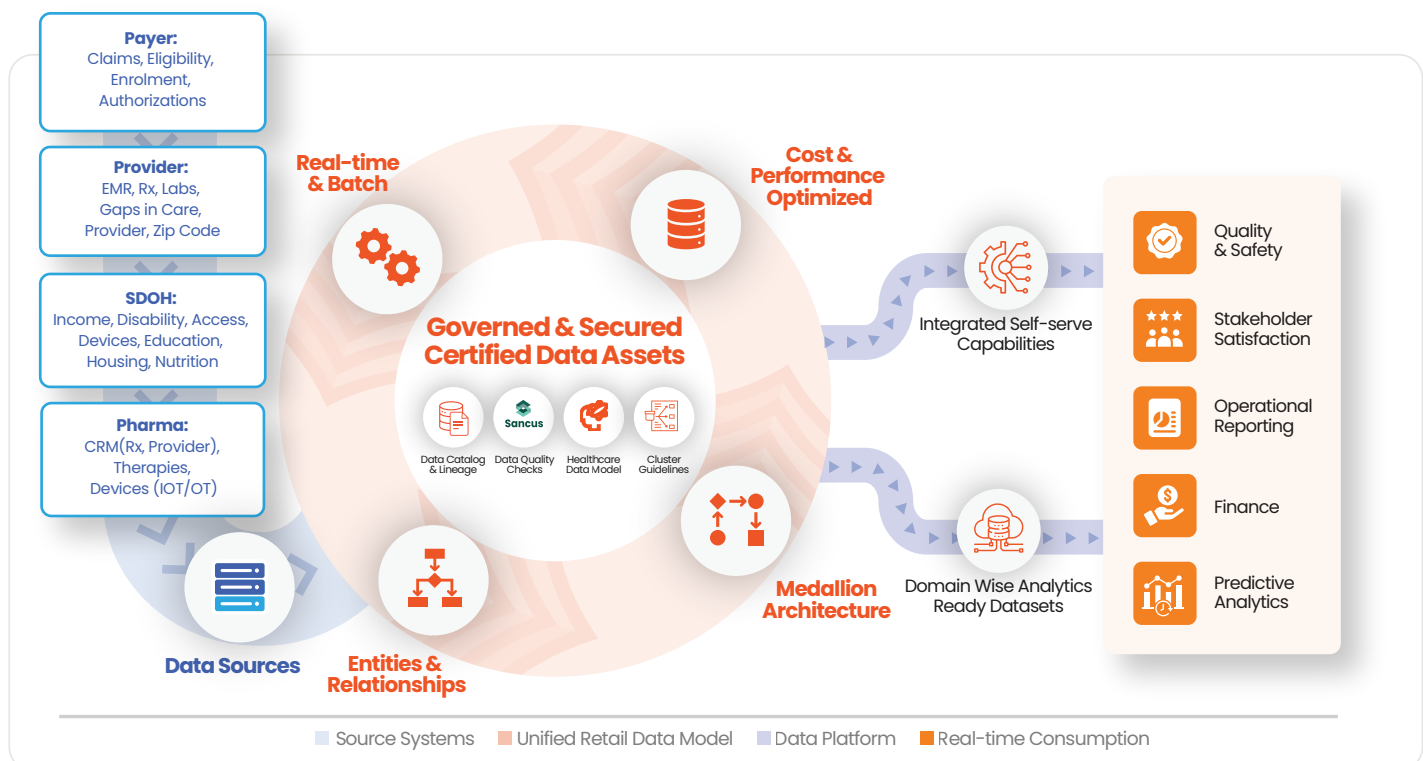
Value-based Care: AI-driven Patient-centered Results

Value-based care (VBC) is about more than reducing costs—it's about improving patient outcomes. GenAI personalizes care by predicting patient needs, while Agentic AI streamlines administrative tasks, empowering providers to focus on quality care, enhancing patient satisfaction, and lowering readmission rates.

01

Migrate To Modernize: Powering Smarter Healthcare Decisions

Tredence's Healthcare AI Studio has helped top healthcare players embrace modern cloud architecture, uncover actionable insights with AI/ML, and unlock operational efficiency.



Tredence follows a 7-step approach to migrate and modernize your data infrastructure by operationalizing a unified data model.

- 01



Define Your Target State Architecture



Conduct design workshops, prioritize use cases, and finalize technology stack and data lake architecture.
- 02



Establish Data Quality & Governance



Implement GenAI-enabled governance frameworks to ensure data quality, privacy, and regulatory compliance.
- 03



Data Model, Design & Customization



Develop and migrate data models, integrating multi-source data and 500+ KPIs for AI-driven insights.
- 04



Data Pipeline Design, Development & Deployment



Deploy AI-powered, auto-generated data pipelines, reducing manual effort and accelerating ETL/code migrations.
- 05



Establish MLOps/LLMOps for Model Deployment & Monitoring



Ensure continuous monitoring of AI/ML models, detecting drift, hallucination, and maintaining data quality.
- 06



Rapidly Deploy AI & GenAI Models



Leverage ATOM.AI accelerators to develop, deploy, and scale AI/GenAI models for business impact.
- 07



Enable Access across BI Analytics, Data Science & Business Users



Enhance self-service capabilities by integrating BI, analytics, and data science tools for business users.

Tredence Accelerator Ecosystem for Healthcare

Tredence accelerator ecosystem helps fast-track healthcare data migration and governance, ensuring accuracy, compliance, and seamless interoperability.

T-Ingestor

Automates healthcare data migration with a metadata-driven ingestion framework.

DQuest

Ensures high-quality healthcare data in ETL pipelines.

T-Discoverer

Eliminates redundant reports, streamlining clinical insights.

Sancus

AI/ML-powered deduplication for unified golden records.

Key Focus Areas



Population Health



Value-Based Care



Patient Care



Quality & Performance



RCM



Clinical Ops

Measure Library

250+

database
objects

17-25

utilization
measures

9+

AI-based
risk scores

13 KPI

Categories

55-60

cost
measures

5

data quality
categories

Tredence AI/ML: Smarter Models for Smarter Care

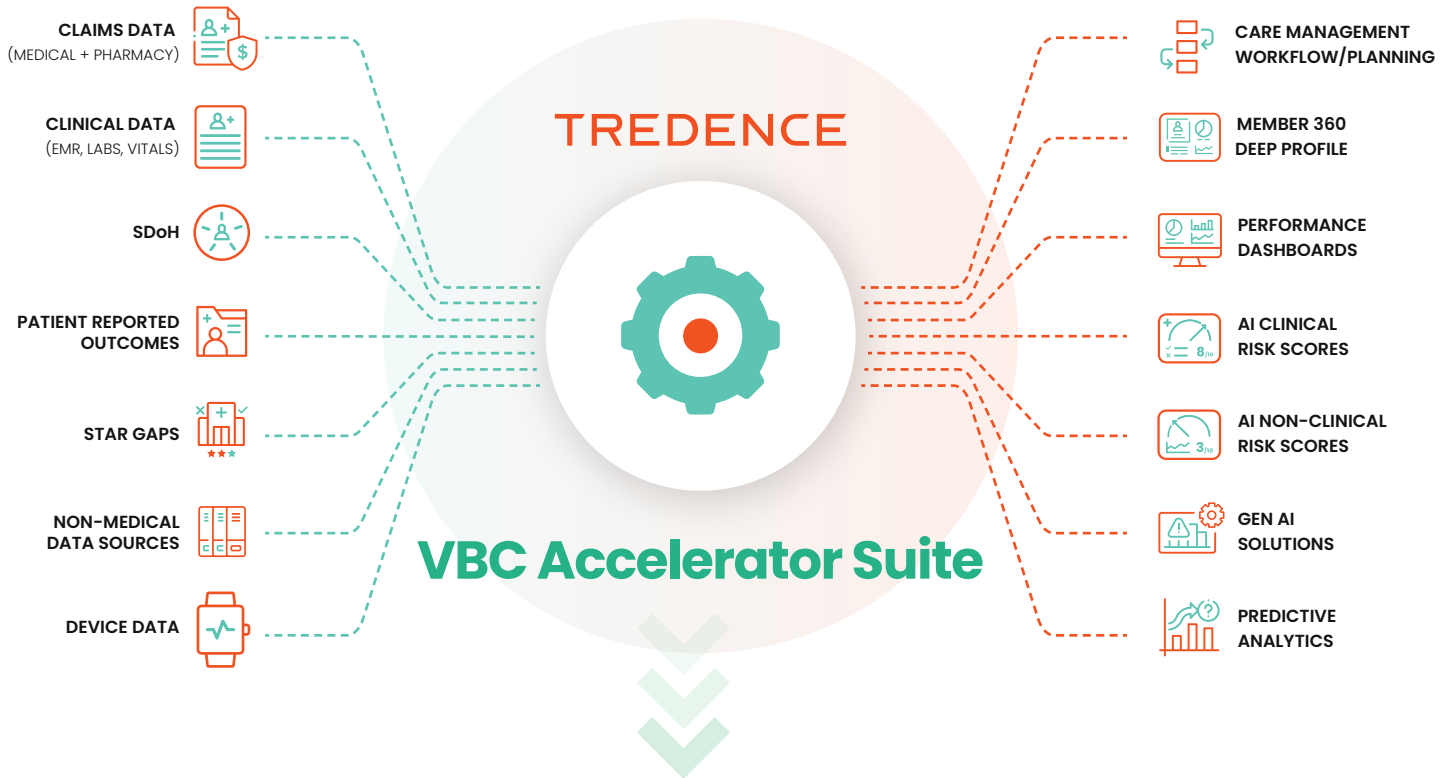
SOLUTION	WHAT IT DELIVERS	WHY IT MATTERS
Hospital Re-admission Prediction >>>	Identifies high-risk patients with a reliable probability score	Enables case managers to focus on those at highest re-admission risk
ER Event Prediction >>>	Flags patients likely to visit ER	Supports timely intervention to prevent critical ER visits
Cost Prediction Models >>>	Predicts PMPM costs for 3M/6M/12M periods	Helps manage high-cost patients and optimize resource allocation
Disease Onset Prediction >>>	Classifies patients at risk of chronic diseases (12M-24M)	Drives early lifestyle interventions to prevent chronic conditions
Population Insights >>>	Health dashboards slicing KPIs by population parameters	Tracks utilization, disease prevalence, and social factors
Chronic Disease Management >>>	Care workflows and plans integrated with EHR	Streamlines care coordination with actionable insights
SDoH Risk Profiler >>>	Stratifies high-risk patients using SDoH data	Targets social factors affecting health outcomes
Patient Churn Prediction >>>	Predicts churn probability based on engagement data	Helps design retention strategies to keep patients loyal
Operational Reports >>>	Pre-built KPIs for facility performance management	Tracks key metrics like ED wait times and inventory management
Financial Reports >>>	Revenue and cost-side reporting models	Analyzes claims, reimbursements, and episode costs
Demand Forecasting & Inventory >>>	Supply chain model with 200+ KPIs	Enables automated re-ordering and efficient inventory management
Contact Center Optimization >>>	GenAI-driven engagement and productivity analytics	Enhances patient experience with smarter, empathetic interactions

02

Value-based Care: AI-driven Patient-centered Results

Fragmented data, rising costs, and care variability challenge value-based care adoption. As a HITRUST-certified Data & AI leader, Tredence simplifies this complexity through its VBC Accelerator Suite—unifying data, predicting outcomes, and enabling proactive, personalized care.

SOLUTION WORKFLOW



Three modules. One mission. Better health outcomes.



UnifyEM

Where Clean Data Powers
Clear Decisions

UnifyEM ensures real-time integration, accurate patient matching, and end-to-end visibility into data health.

KEY HIGHLIGHTS:



Real-time data
quality scoring &
anomaly alerts



EMPI stewardship
& compliance-ready
dashboards



Element-level
lineage tracking



Seamless
integration across
clinical systems



PredictEM

Your AI Crystal Ball for Care

PredictEM uses machine learning to surface at-risk patients, forecast costs, and guide timely interventions.

KEY HIGHLIGHTS:



Predictive risk scores
& PMPM forecasting



Hospital/ER
admission probability
insights



Chronic cohort
filters & provider
benchmarking



AI-driven anomaly
reasoning for
decision support



CareEM

Humanized Care with Precision
Coordination

CareEM leverages AI-driven alerts and SDoH insights to personalize care and enhance patient outcomes.

KEY HIGHLIGHTS:



Real-time ADT
integration & 28+
SDoH metrics



AI-prioritized care
plans & risk
stratification



Tailored dashboards
for CMs, CXOs, and
care teams



360° member view
with engagement
triggers

The Power of GenAI & Agentic AI in Healthcare

Tredence Use Cases That Deliver Real Impact

USE CASE	AI TYPE	WHAT IT DOES	BUSINESS IMPACT
Conversation Summarization	GenAI	Leverage LLM models to summarize the patient-physician conversation and bucketize into various categories enabling faster decision-making	20–30% database objects 15–20% Fewer errors
Advanced Care Planning	GenAI	Build personalized care plans from physician notes, patient's clinical data, lab data and claims data	Streamlined Care Better Outcomes
Prior Authorization	Agentic AI	Automate screening of pre-auth requests to adjudicate them as approved, rejected, or needing manual reviews	Faster TAT Cost Savings Fraud Control

CUSTOMER SUCCESS SPOTLIGHT

Enterprise Member360 Hub: Powering Clinical Intelligence for a Leading In-Home Medical Care Provider

Client Context

A leading in-home medical care provider was grappling with siloed claims and EHR systems, limiting their ability to access holistic member insights. The lack of integration impacted both clinical efficiency and cost outcomes across the enterprise.

The Challenge

- ⚠️ Fragmented and siloed member data across systems
- ⚠️ Inability to gain a 360-degree view of member health information
- ⚠️ Operational inefficiencies impacting care coordination and risk management

Tredence Solution >>>

Tredence built an Enterprise Member360 Data Hub that unified disparate data and powered AI-driven clinical insights. The solution included:

- ✓ Harmonization of core data sources such as Eligibility, Membership, Claims, MAO4, and Quality files (Star gap measures)
- ✓ Integration of social determinants of health with clinical records to redesign care workflows
- ✓ Robust data models and KPIs to track member performance and improve decision-making
- ✓ AI/ML-based risk scoring tools to predict disease progression and personalize care pathways

BUSINESS IMPACTS

7+ states served

3 major payors' lives covered

8 KPI categories tracked

4 functions supported

AI-Powered Care Management: Enhancing Outcomes for a Leading U.S. Primary Care Group

Client Context

A top U.S. primary care group serving 100,000+ patients across 40+ locations faced rising care costs and limited visibility into high-risk populations. Fragmented workflows and manual processes hindered efficient care delivery and outcome management.

The Challenge

- ⚠️ High cost of care—\$2,618 per high-intensity patient
- ⚠️ Difficulty identifying and managing high-risk patients
- ⚠️ Complex, manual care workflows across multiple care programs

Tredence Solution >>>

Tredence developed an AI-based care management platform to streamline patient care and reduce costs. The platform:

- ✓ Predicted and flagged patients under High-Risk, TCM, and EOL programs
- ✓ Automated care pathways to improve team efficiency
- ✓ Simplified workflows for better patient tracking and intervention

BUSINESS IMPACTS

25% reduction in cost of care delivery

33% decrease in hospital re-admissions

11% fewer end-of-life patient admissions

“

Tredence demonstrates deep industry expertise which compliments their deep Databricks' platform understanding. Coupled with Tredence' pre-built accelerators, we have gathered significant momentum together and I am confident of significant growth together in the near future.



Harris Thayer

VP & GM, Healthcare & Life Sciences, Databricks



“

Tredence's risk scoring tools and workflow, gives us the opportunity to predict patients' disease progression and the risk they will be admitted or readmitted to the hospital with emergency or other medical events. This information enables us to deliver targeted interventions, enhancing population planning and patient outcomes and reducing the need for costly emergency services.



Bill Leister

SVP, Data & Clinical Solutions, WellBe Senior Medical



“

Our vision at Marquee is to take this evolving technology and apply it to transform dental care while improving the patient and the doctor experience. Our partnership with Tredence supports this vision.



Fred Ward

Chief Executive Officer, Marquee Dental Partners



OUR GLOWING GALAXY OF ACCOLADES

Endorsed by hyperscalers & leading independent analysts



DEMAND MORE OUT OF AI.

Talk to Healthcare experts born and bred in full-stack AI to:

- 1 **Take the first step** in modernizing your data and technology strategy
- 2 **Understand how AI** can improve your business today
- 3 **Develop an AI strategy roadmap** to transform your business
- 4 **Leverage AI accelerators** to deliver immediate wins in weeks

SCHEDULE A 1:1 MEETING >>>>

with our AI experts and Explore What's Next in AI with Tredence



Follow us at: