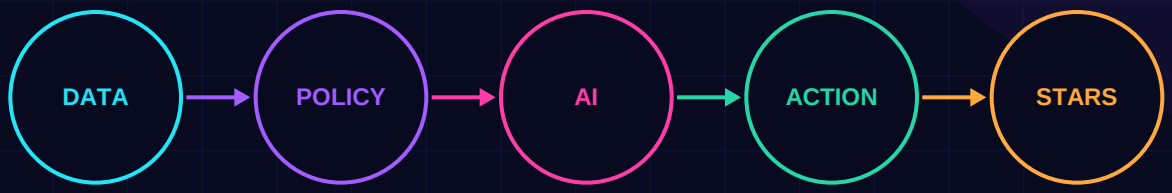
nartis

WHITEPAPER V5

AI-Native Healthcare Quality Control System

From retrospective analytics to real-time outcome control



A closed-loop platform that evaluates healthcare quality measures continuously, predicts performance risk, orchestrates interventions, and preserves audit-grade lineage from data source to CMS-facing outcome.

Portfolio architecture brief | HEDIS + Stars + CMS reporting model

The central shift

Healthcare analytics must become an operating system

Legacy pattern

Data is extracted, transformed, warehoused, visualized, and then handed to human teams for interpretation and action.

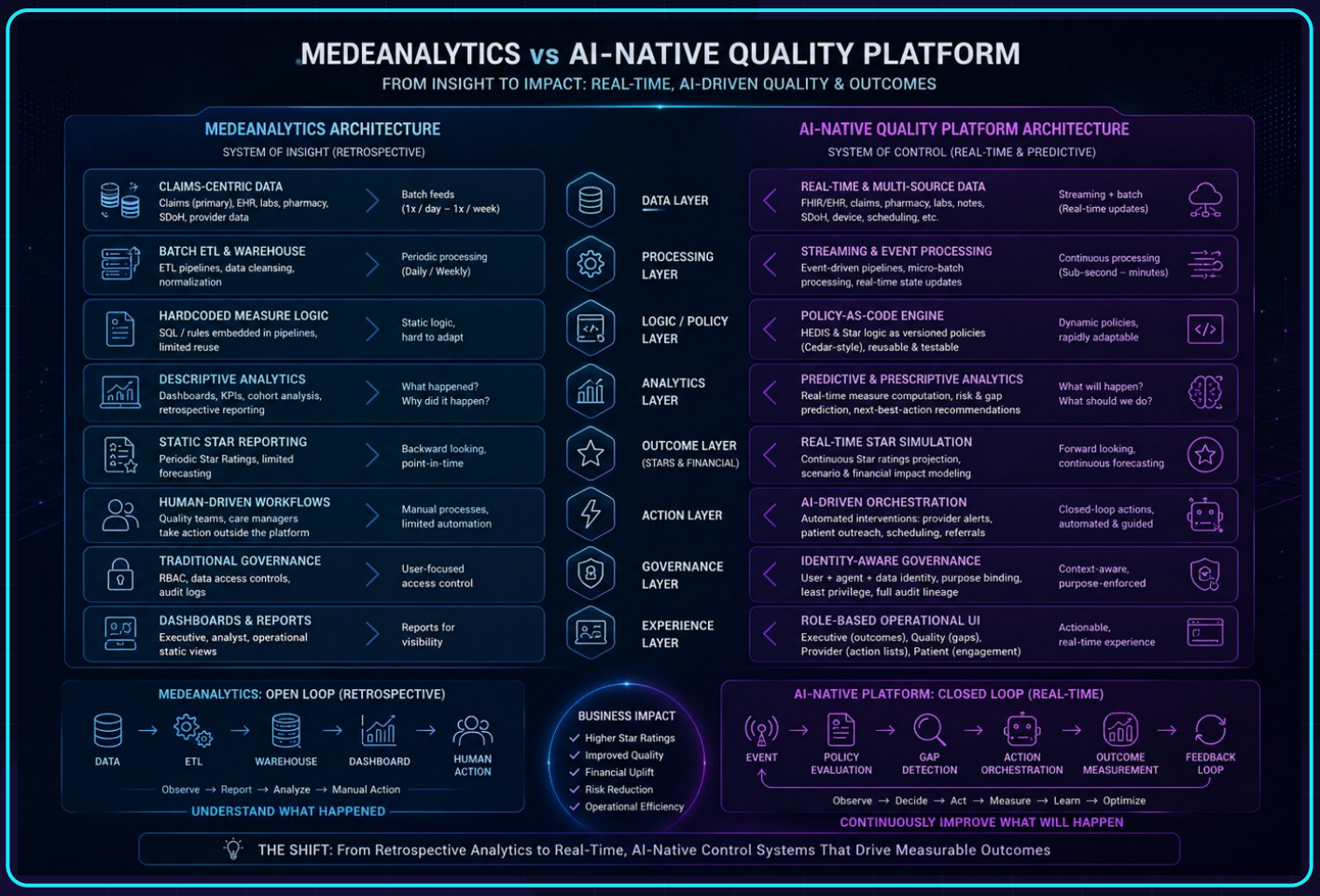
AI-native pattern

Every clinical event can trigger policy evaluation, gap detection, prioritized action, and outcome measurement.

Closed-loop model

The platform is not just an analytics dashboard. It is a control system for regulated healthcare performance — connecting evidence, policy, prediction, intervention, and auditability into one operating model.

Reference architecture comparison



The AI-native platform replaces retrospective reporting with a closed-loop control system. Each layer maps directly from MedeAnalytics' system of insight to a system of control: real-time data, policy-as-code, predictive and prescriptive analytics, and AI-driven orchestration backed by identity-aware governance.

Six-layer operating model

1. Data Fabric

Claims, FHIR/EHR, labs, pharmacy, clinical notes, provider operations.

2. Processing Layer

Streaming ingestion, micro-batch updates, patient graph state management.

3. Policy Layer

HEDIS and Stars logic externalized as versioned, testable policy-as-code.

4. Intelligence Layer

Gap detection, closure likelihood, scenario simulation, financial impact modeling.

5. Action Layer

Provider alerts, outreach, scheduling triggers, care management workflows.

6. Governance Layer

Identity chain, purpose binding, data minimization, audit-grade lineage.

MedeAnalytics vs AI-native system

Capability	MedeAnalytics	AI-Native System
Core model	System of insight	System of control
Timing	Batch / retrospective	Real-time / event-driven
Measure logic	Embedded rules and ETL	Policy-as-code
Stars view	Reporting and analysis	Simulation + intervention planning
Action layer	Human workflow dependent	Native orchestration engine
AI role	Additive analytics	Foundational decision support
Governance	Traditional access control	User + agent + purpose + data controls
Auditability	Report lineage	End-to-end evidence graph

Positioning statement: MedeAnalytics helps organizations understand performance; the AI-native platform continuously optimizes performance.

The trust layer

> "The model never sees data unless both the user and the agent are authorized for that purpose, risk context, and data class."