



PAYER DATA & ANALYTICS MODERNIZATION ON MICROSOFT AZURE WITH DATABRICKS

Advisory + QuickStart Offer — 6 Weeks to Build a Domain-Driven Data & Analytics Foundation

Accelerate your payer data and analytics modernization — unifying claims, enrollment, care management, utilization, and financial data into a governed, scalable cloud lakehouse on Databricks Delta Lake with Unity Catalog governance. Powered by Genzeon's Agentic Data Intelligence Accelerator Suite (ADIAS), our AI agent-driven automation runs natively on Azure Databricks — cutting data engineering cycle times by up to 60%, with HIPAA-compliance and PII/PHI classification built in from Day 1.



Why Choose Genzeon?

Embedded Healthcare SMEs:

Deep expertise in claims, HEDIS/STARS, prior auth, enrollment, FHIR/HL7, financial and compliance data.

Full-Scale Microsoft Azure & Databricks Partner:

Certified across Databricks Data Intelligence Platform, Delta Lake, Unity Catalog, Delta Live Tables, MLflow and Power BI / Tableau on Azure.

Proven Delivery:

25+ production data platforms; 1,000+ legacy workloads migrated to cloud lakehouses.

Certified Talent:

100+ professionals certified across Fabric, Databricks & Snowflake — onshore, nearshore & offshore.

Proven ROI, Powered by ADIAS:

2x–3x ROI on data engineering and reporting costs — cutting cycle times by up to 60%, automating Data Model, Ingestion, Quality, Transformation, and Catalog lifecycle across the Medallion Architecture.

Key Healthcare Challenges We Address

- Data strategy misaligned with payer objectives
- No governance — missing lineage & PII/PHI classification
- Poor data quality across claims & enrollment
- Legacy platforms unable to support real-time analytics
- Siloed reporting delays decisions across claims, care & finance
- Limited expertise to sustain data modernization at scale

Investment & Timeline

Investment: \$45K – \$50K

Duration: 6 Weeks

Phase 1: Advisory (Week 1–2)

Phase 2: Modernization (Weeks 3–6)

Scope

- Advisory, assessment & Databricks readiness evaluation
- Medallion Lakehouse on Delta Lake
- Ingestion of 1–2 payer data files with 2–3 BI dashboards & insights
- Unity Catalog governance, data quality & knowledge transition
- Scale-out roadmap for enterprise modernization

6-Week Delivery Plan

From assessment to working analytics foundation — delivered in six weeks.



PHASE 1 — Advisory & Foundation

- Current-State Assessment — Evaluate payer data capabilities, Databricks readiness & platform expectations
- Modern Data Platform Setup — Configure Azure Databricks workspace, Unity Catalog metastore, Delta Lake storage on ADLS Gen2, and security controls
- Architectural Framework — Define Medallion architecture (Bronze→Silver→Gold) with ADIAS-driven ingestion, quality, transformation, modeling & catalog lifecycle
- **Deliverable:** Databricks readiness report, prioritized payer domain roadmap & QuickStart scope document



PHASE 2 — Modernization: Build & Validate

- Sourcing & Ingestion — Build & deploy payer data pipelines using Databricks Auto Loader and Delta Live Tables (DLT) at each Medallion layer, powered by ADIAS Ingestion, Quality & Transform Intelligence Agents
- Historical Data Migration — Migrate legacy payer data ensuring consistency & traceability
- Consumption & Analytics — Deploy dashboards (e.g., Claims Denial Rate, Prior Auth, HEDIS/STARS) via Databricks SQL, Power BI/Tableau



PHASE 2 — UAT, Demo & Roadmap

- Support UAT & demonstrate domain insights to stakeholders
- Deliver knowledge transition, Unity Catalog governance documentation & enterprise scale-out roadmap

Note: For payers with an existing legacy BI estate (e.g. Qlik, Tableau, SSRS, Cognos), Genzeon leverages Vortex® — an AI-driven BI migration accelerator — to assess, rationalize, and auto-convert legacy dashboards to Power BI as a separate workstream.

Payer Analytics Capabilities Enabled

Claims & Operations

Clean claim rate, denial rate by reason & category, adjudication cycle time, payment variance, overpayment recovery, prior auth approval rates and remittance posting accuracy.

Care Management & Utilization

Prior auth outcomes, HEDIS/STARS care gap closure, ER & inpatient utilization, disease management outcomes, length of stay benchmarking and pharmacy formulary adherence.

Provider Network Management

Provider data accuracy, credentialing cycle time, out-of-network utilization & leakage, contract compliance, FWA indicators and directory update lag.

Member Experience & Enrollment

Enrollment trend & churn, member engagement & satisfaction, appeals & grievances, benefits eligibility, MLR & claims cost analytics and payer mix revenue impact.

Core Payer Data Domains We Modernize

Claims & Operations

- Claims Prep & Billing Data Pipelines
- Denial & Remit Data Integration
- Prior Auth & Utilization Data Pipelines
- Overpayment & COB Recovery Pipelines
- Denials Prediction & Auto - Resolution

Member & Enrollment

- Enrollment & Eligibility Data Migration
- Member Engagement & Satisfaction Data
- Appeals & Grievances Analytics Pipeline
- Benefits & Financial Counseling Data
- Registration & Admitting Data Pipelines

Care Mgmt. & Health Info

- Clinical Documentation Data Pipelines
- CDI & Coding Analytics Integration
- HEDIS / STARS Data Pipelines
- Care Gap Closure Data Integration
- DNFB & Unbilled Days Analytics

Finance & Compliance

- MLR & Claims Cost Analytics
- Accounting & Reconciliation Data
- Compliance Reporting & Analytics
- HR Analytics & Workforce Planning
- Clinical Systems & Apps Monitoring

Client Success Story

Regional Health Plan Modernizes Payer Data Estate on Microsoft Azure with Databricks to Deliver Domain-Driven Analytics


The Challenge:

A regional health plan had fragmented data across claims, enrollment, care management and provider network platforms — no unified view of denial root causes, HEDIS/STARS performance or member churn risk. HIPAA compliance posed ongoing risk.


Our Solution:

Genzeon deployed a Medallion Lakehouse on Databricks Delta Lake on Microsoft Azure. ADIAS agents automated ingestion through Bronze→Silver→Gold with Unity Catalog governance enforcing PHI classification and lineage. Delta Live Tables (DLT) pipelines delivered Databricks SQL and Power BI dashboards across claims, HEDIS performance, prior auth and member engagement — followed by enterprise-wide modernization.


Measurable Business Impact:




30%
Faster Claims Data Availability via Databricks Auto Loader & Delta Live Tables Dashboards



55%
Less Manual Effort; HEDIS & Prior Auth Pipelines Automated on Databricks



35%
Faster Financial Close; Self-Service FP&A via Databricks SQL & Power BI Delivered



40%
Infrastructure Cost Reduction; Legacy Jobs Migrated to Databricks Delta Lake



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Ready to Accelerate Your Payer Data & Analytics Modernization?

Schedule a consultation to discover how Genzeon can unlock domain-driven data and analytics capabilities for your clinical, financial and operational payer leaders — starting with the domains that matter most.