



Databricks for Healthcare

A unified data intelligence platform built on the Lakehouse architecture to accelerate data analytics, AI, and machine learning for healthcare and life sciences.

<https://www.databricks.com/solutions/industries/healthcare>

Overview

Databricks for Healthcare is a specialized solution built on the Databricks Data Intelligence Platform, leveraging the Lakehouse architecture to unify data warehousing and data lake capabilities for the healthcare and life sciences (HLS) industries. The platform is designed to handle the massive scale and complexity of clinical, genomic, claims, and operational data, enabling organizations to break down data silos and accelerate data-driven initiatives.

Key capabilities include a unified environment for data engineering, data science, and business analytics, all powered by Apache Spark, Delta Lake, and MLflow. This allows HLS teams to build real-time data pipelines, run advanced machine learning models for predictive analytics, and ensure strong data governance with Unity Catalog, which provides a single source of truth for all data and AI assets.

The platform is engineered with stringent security and compliance features to meet regulatory standards like HIPAA and GDPR, offering end-to-end encryption, fine-grained access controls, and detailed audit logging. Its core value proposition is enabling use cases like precision medicine, patient risk scoring, clinical trial optimization, and healthcare fraud detection on a single, scalable, and compliant foundation.

Key Features

- Lakehouse Architecture (Delta Lake)
- Unified Data Engineering & Science
- AI and Machine Learning (MLflow)
- Data Governance (Unity Catalog)

- Real-time Analytics & Streaming
- Collaborative Notebooks

Pricing

Model: usage_based

Consumption-based pricing (Pay-As-You-Go) based on Databricks Units (DBUs) for compute usage, plus cloud provider costs (VMs, storage). Pre-purchase plans are available for discounted rates. An Enhanced Security & Compliance Add-on is available for regulated data.

Target Company Size: medium, enterprise

Integrations

Amazon Web Services (AWS), Microsoft Azure, Google Cloud Platform (GCP), Tableau, Qlik, Looker, EHR/HIS Systems

Compliance & Certifications

HIPAA, GDPR

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