Big Data, Streaming, and Predictive Analytics Solutions

DRIVE BETTER HEALTH OUTCOMES WITH CLOUDERA

Trusted Advisor to Industry-Leading Organizations

- 8 of the top 10 hospitals in the US
- 10 of the top 10 health plans in the US
- 9 of the top 10 global biopharma firms
- Leading ACOs, physician groups, community hospitals, and health systems
- Innovative health technology companies
- Medical device manufacturers, healthcare distributors and GPOs, and retail pharmacies
- Public health organizations, including federal, state and local agencies

Rush University Medical Center

With Cloudera, Rush University Medical Center has a modern data platform that leverages machine learning and analytics-as-a-service enabling over 200 KPIs so hospital administrators, clinicians, and researchers can improve patient care and health outcomes.

Unlock the Power of Data

Healthcare is evolving toward care delivery that rewards improved patient outcomes while reducing costs and eliminating waste and abuse throughout the care journey. This has created a massive data convergence requiring organizations to quickly and securely turn data insights into action.

Cloudera helps healthcare organizations deliver better health outcomes, lower the total cost of care, and identify better targets for drug discovery and development. Healthcare data comes from a variety of sources—bedside monitors, medical devices, medical images, wearables—and enters the data ecosystem from disparate providers, facilities, and organizations. The Cloudera Data Platform, including the Shared Data Experience (SDX) drives data optimization from the bedside through complex machine learning and artificial intelligence (AI), delivering actionable intelligence back to the point of care.

How Healthcare Organizations Engage with Cloudera

Cloudera enables providers, health plans, and life science companies to engage patients and members to improve care, achieve better treatment compliance and patient retention, and prevent chronic disease.

Providers

- Population health and value-based care
- Clinical decision support: bedside, medical device, wearables, streaming
- Patient/Physician 360
- Revenue cycle and risk adjustment
- Provider network management

Health Plans

- Payment integrity
- Member 360
- Care, disease, and utilization management
- Care gaps and quality
- Provider network management
- Social determinants of health and consumer analytics

Life Sciences

- Clinical trials
- Real-world evidence (RWE)
- Genomics
- Supply chain and manufacturing
- Market access
- Better target identification for drug development

What Cloudera Offers Healthcare Organizations

- **Ingest**, process and analyze high volumes of real-time data from any source—bedside monitors, wearable medical devices, enterprise data sources (patient records, clinical and EHR data, claims, labs physician notes, and medical images)—via FHIR and HL7.
- Enable **predictive analytics** or apply **machine learning** algorithms to petabytes of PHI and PII data, while maintaining strict enterprise data security, governance, and longitudinal audit trails across on-premise and cloud hybrid environments.
- **Manage** regulatory requirements from CMS, Joint Commission, and the FDA.
- **Structure** unstructured data sources, e.g. clinical and physician notes, via NLP.
- Provide multiple analytical options to drive **insights**, **intelligence**, and action from data at the edge, on premise in the data center, or in any public, private, or **hybrid cloud**.

GlaxoSmithKline

With Cloudera, GlaxoSmithKline (GSK) has a holistic view of clinical trial, bioassay, genetic, genomic and Real World Evidence data giving researchers an analytic advantage and enabling them to accelerate decision-making and drug delivery.

"We've created a platform that provides our scientists with insights that can shorten delivery timelines, reduce costs, expand reach, increase safety, and, in the end, improve, extend, and save lives."

Mark Ramsey, Former Senior Vice President, R&D Chief Data Officer GlaxoSmithKline

Geisinger Health System

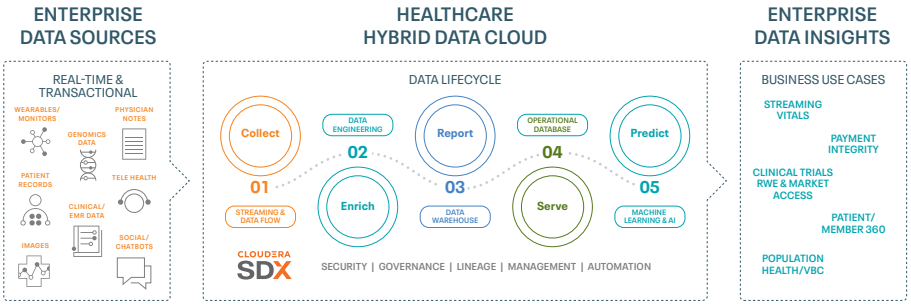
With Cloudera, Geisinger can harness all data streams—including clinical, financial, regulatory and operational—merging over 2PB of data and saving $2MM in enterprise data warehouse costs and $500K in annual maintenance costs.

About Cloudera

At Cloudera, we believe that data can make what is impossible today, possible tomorrow. We empower people to transform complex data into clear and actionable insights. Cloudera delivers an enterprise data cloud for any data, anywhere, from the Edge to AI. Powered by the relentless innovation of the open source community, Cloudera advances digital transformation for the world's largest enterprises.

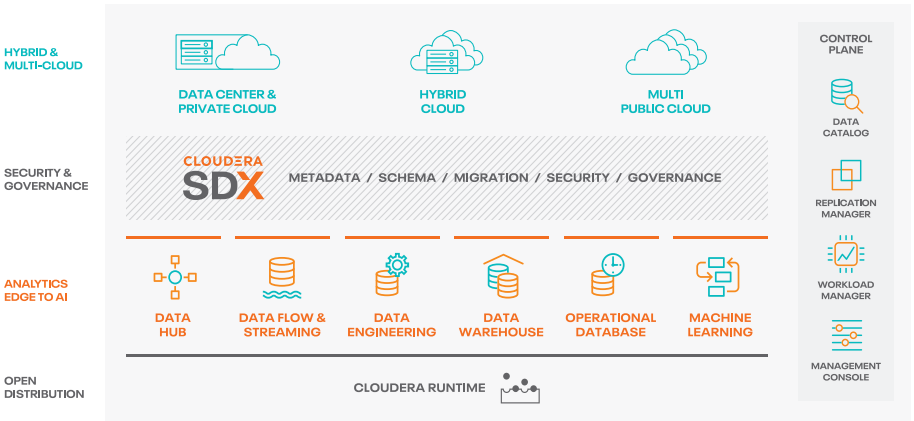
Learn more at cloudera.com

Multi-Function Platform to Drive Outcomes in Healthcare & Life Sciences



Cloudera Data Platform (CDP)

Today, leading healthcare organizations worldwide are adopting an enterprise data cloud strategy using the Cloudera Data Platform to manage the end-to-end data journey from taking in raw data at the source, to driving actionable insights and use cases.



Cloudera's Shared Data Experience (SDX) ensures consistent data security, governance, and control across the data lifecycle and across infrastructures while mitigating risk and costs.

- Govern your enterprise data platform as a single application and from a single pane of glass.
- Migrate healthcare data easily between on-premises and the public or private cloud.
- Gain audited lineage trails with built-in healthcare provenance, even for transient workloads.
- Maintain visibility and control via a management console for all data, including PII and PHI.
- Automatically identify and tag PII and PHI data, and handle it consistently.
- Enable an enterprise-grade, end-to-end experience that supports and promotes HIPAA compliance.

100% Open

- Open source prevents vendor lock-in
- Open compute enables efficient server, storage, and infrastructure designs for scalable computing
- Open architecture mitigates interoperability concerns
- Open APIs with visualization-agnostic tools
- Open cloud enables a cloud-agnostic approach

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