

# Collibra Data Intelligence Cloud for Healthcare

## Overcoming data challenges

Payers and providers operate in a highly complex data landscape with petabytes of data residing in hundreds of disparate data sources including databases, data warehouses, enterprise applications, Electronic Health Record (EHR) systems, and more.

In this type of environment, it is very difficult for data citizens – including chief data officers, clinical researchers, data scientists, data governance leads, data engineers and data consumers – to easily find or understand the data they need. Users are unable to ascertain if the data comes from a trustworthy source and whether it is certified for use. They are unable to obtain detailed information about the data such as its attributes, where did it originate from, who owns the data and whether it is of high or poor quality.

Since healthcare organizations operate in a highly regulated industry, data integrity issues coupled with a lack of data governance, transparency and traceability of data can elevate both operational and regulatory non-compliance risks. For instance, it is predicted that nearly 30% of healthcare costs can be attributed to poor quality data. Its impact can be moderate to severe resulting in inefficiencies, delays, inaccurate diagnoses, claims and billing errors, and more.

**Collibra Data Intelligence Cloud is an intelligent data platform that leverages the power of machine learning and provides a holistic and integrated approach to cataloging, governing, protecting, managing and collaborating with data at scale across on-premises, hybrid and multi-cloud environments.**

## Speed innovation with trusted data

With Collibra Data Intelligence Cloud, you can build a common foundation for data. AI-powered capabilities and advanced automation in modern data management enables you to overcome data silos, speed data discovery, improve data literacy (understanding of data), foster greater collaboration with data and implement data integrity at scale.

Leading payers and providers rely on Collibra Data Intelligence Cloud to enable mission-critical applications and support their strategic business imperatives such as:



**Digital transformation**



**AI governance**



**Data literacy and collaboration**



**Underwriting and claims processing**



**Patient care and insights**



**Regulatory compliance**



**Self-service analytics**



**Cloud data migration and modernization**

# Enable strategic use cases



## Accelerate data democratization and self-service analytics

- Empower data citizens to rapidly discover, understand and collaborate with fully governed data that's primed for self-service analytics and AI use.
- Enable a federated data marketplace built on a modern data mesh architecture for faster time-to-insights.
- Leverage popular business intelligence (BI) tools such as Tableau in conjunction with Collibra Data Catalog and enable data citizens to obtain a more complete view of data with granular details.
- Make better and more informed decisions faster across care delivery and insurance operations with high-quality data that's certified for use.



Figure 1: Easily collaborate with data leveraging crowdsourcing capabilities



## Future-proof cloud data migration and modernization

- Quickly determine what impact migrating a particular dataset may have on upstream and downstream systems, as well as prioritize migration of datasets in the right sequence.
- Maximize the impact of your data migration by setting up controls to ensure that only clean data that meets your data quality standards is migrated to the cloud.
- Simplify data onboarding to maximize productivity by cataloging and managing the data in your data lake and data warehouse from a single centralized location.
- Obtain end-to-end visibility into the data in your data lake and modern data warehouses – such as Amazon Redshift, Snowflake, Google BigQuery, and more.



## Improve data integrity across your processes

- Implement systematic data governance, quality and privacy controls that remove human error and mitigate operational and regulatory non-compliance risks.
- Proactively detect anomalies and inaccuracies in data such as in patient records, claims, underwriting, billing, and more.
- Meet stringent regulatory requirements for data privacy and security with comprehensive audit trails.
- Easily locate, classify and protect sensitive patient data including Personally Identifiable Information (PII) and Protected Health Information (PHI) with role-based access control.



## Speed clinical research and enable AI governance

- Create a trusted repository of metadata (data about data) that includes AI model techniques, data inputs, data features, expected outputs and more.
- Empower data scientists and clinical researchers to easily discover trustworthy data with rich business and technical context so they can build robust data pipelines and train models.
- Trace lineage of datasets and models with detailed information to better understand data transformations throughout the data lifecycle.
- Leverage machine learning (ML)-enabled data quality and observability to help detect data drift, outliers and patterns to ensure accuracy and performance of AI and analytics models over time.

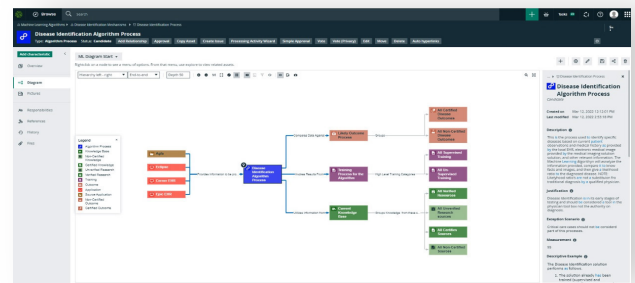


Figure 2: Visualize and understand data dependencies from source to target with end-to-end data lineage



# The Collibra Data Intelligence Cloud Advantage



Healthcare institutions globally rely on Collibra Data Intelligence Cloud to gain in-depth visibility into their data ecosystem across on-premises, hybrid and multi-cloud environments, without moving data, so that data assets stay protected.

## Govern. Trust. Access.

### Data Catalog

- Catalog
- ML curation
- Ratings / reviews
- Data marketplace

### Data Lineage

- Business lineage
- Technical lineage
- Impact analysis

### Data Governance

- Business glossary
- Stewardship
- Data dictionary
- Reference data
- Data helpdesk

### Data Quality

- Continuous monitoring
- Adaptive rules

### Data Privacy

- GDPR
- CCPA

## Active metadata graph

### Core services



Flexible operating model



Native connectors



Reports and dashboards



Collibra everywhere



Workflow engine



Collaboration



APIs



Collibra Insights



**The value of Collibra is providing a source of truth via a centralized repository for data governance and analytics.**

Froedtert & the Medical College of Wisconsin



## Core capabilities



### Rapid data discovery and self-service data access

- The intelligent data catalog is purpose-built to empower data citizens, so they can easily find and understand the data they need with rich business and technical context. With built-in crowdsourcing capabilities, users can easily collaborate with data. They can rate, comment on and prioritize data sets for use as well as provide feedback.
- A powerful contextual search engine and easy-to-use, intuitive data shopping experience enables data citizens across the organization to easily locate and shop for fully governed and trustworthy data they need.



### End-to-end data lineage and visibility

- Automated data lineage enables data citizens to dynamically visualize the flow of data from source to target as well as understand all the data dependencies at a granular level.
- Data citizens can trace lineage of each dataset with rigorous audit trails for reporting purposes. An active metadata graph - that connects business, technical and privacy metadata with data quality and lineage – provides rich content and context to users.



### Predictive data quality and data integrity at scale

- Machine learning (ML)-powered data quality and observability enables proactive detection of anomalies in data such as missing records, values as well as broken relationships across tables or systems resulting in rapid resolution.
- If data quality drops below a set threshold, Collibra automatically creates a data quality issue and notifies the right people to handle the issue according to the desired priority level.



### Comprehensive and adaptive data governance

- Collibra data governance is a one-stop-shop for data, regulatory compliance, AI and analytics governance. Built-in data governance enables users to develop a consistent data taxonomy that includes regulatory specific rules, physical and/or logical data dictionary, glossary of terms, out-of-the box data domains, and more.
- Pre-built templates, reference data management, stewardship management and intuitive workflows enable automation of governance processes and provide a framework for cross-functional teams to establish a common understanding of data to ensure consistency.



### Embedded privacy by design and data protection

- With Collibra, healthcare organizations can enforce comprehensive data privacy and protection policies in adherence with regulatory stipulations and corporate best practices for data retention and usage.
- ML-powered automation enables rapid classification of data by category, sensitivity and user type at scale. Advanced capabilities in data privacy and protection will help ensure sensitive data is easily identified and protected with role-based access control.

## Collibra is the Data Intelligence company

For more information, visit us at [collibra.com](https://collibra.com)

We accelerate trusted business outcomes by connecting the right data, insights and algorithms to all Data Citizens. Our cloud-based platform connects IT and the business to build a data-driven culture for the digital enterprise. Global organizations choose Collibra to unlock the value of their data and turn it into a strategic, competitive asset. We have a diverse global footprint, with offices in the US, Belgium, Australia, France, UK, Czech Republic and Poland.