

Accelerate Healthcare Data Exchange

The Informatica Cloud Integration Hub for Healthcare and Life Sciences

Optimize Healthcare Data Standards

The seamless exchange of information across diverse systems is critical in healthcare and life sciences, especially when dealing with complex and diverse industry standards like Health Level 7 (HL7) v2.x, HL7 Fast Healthcare Interoperability Resources (FHIR) and the EDI X12 Health Insurance Portability and Accountability Act (HIPAA). However, many healthcare organizations today grapple with outdated technologies that limit their ability to share and utilize vital healthcare data effectively.

According to the 2023 state of interoperability report,¹ only 40% of health system executives believe the quality of data retrieved through health information exchanges is "good or great," and over 50% of health system CIOs intend to increase their spending on interoperability initiatives by 5-20% compared to the previous year. This highlights the urgent need for solutions that can seamlessly connect different information systems and applications, enabling timely, secure and accurate information sharing.

Data accuracy and availability are crucial in the healthcare and life sciences sectors. Optimizing healthcare standards simplifies the process of data sharing, accelerating information exchange. So, at a fundamental level, this journey begins with an obvious yet complex question: How can we optimize these standards for better and faster information exchange? Addressing these challenges requires a straightforward solution that simplifies data handling and extraction from those complex data standards and improves healthcare interoperability—a solution that not only addresses the technical barriers but also equips healthcare providers with the necessary information to make informed decisions at the point of care.

Key Benefits

- Deliver higher-quality care using high-quality data
- Improve patient experience with accurate and timely data
- Accelerate informed decision-making processes
- Streamline infrastructure and reduce costs
- Boost overall development efficiency and productivity

¹ <https://www.prnewswire.com/news-releases/health-gorillas-2023-state-of-interoperability-report-finds-that-data-quality-and-sharing-among-healthcare-industry-stakeholders-remains-a-key-challenge-301721749.html>

The Informatica Cloud Integration Hub for Healthcare and Life Sciences

The Informatica Cloud Integration Hub (CIH) for Healthcare and Life Sciences is designed to improve the way healthcare data is managed and shared in the organization. It introduces a publish-subscribe (pub/sub) integration framework that streamlines, simplifies and expedites data availability. It speeds up access to data through self-service access while providing full governance and control of users. It enhances developer productivity by allowing them to repurpose transformations, mappings and business logic. This solution is specifically designed for the unique needs of the healthcare and life sciences sectors, facilitating the adoption of a pub/sub architecture with ready-to-use mappings. These mappings convert industry-standard formats, such as HL7, FHIR and HIPAA, into relational formats for easier access.

What does this mean for healthcare organizations? CIH streamlines the process of sharing and exchanging data from diverse standards. Transforming these standards into relational formats ensures critical information is easily accessible to backend systems, analytics and other applications. This change facilitates efficient, secure and reliable communication across different systems, which is crucial in healthcare where the timely exchange of accurate information is essential.

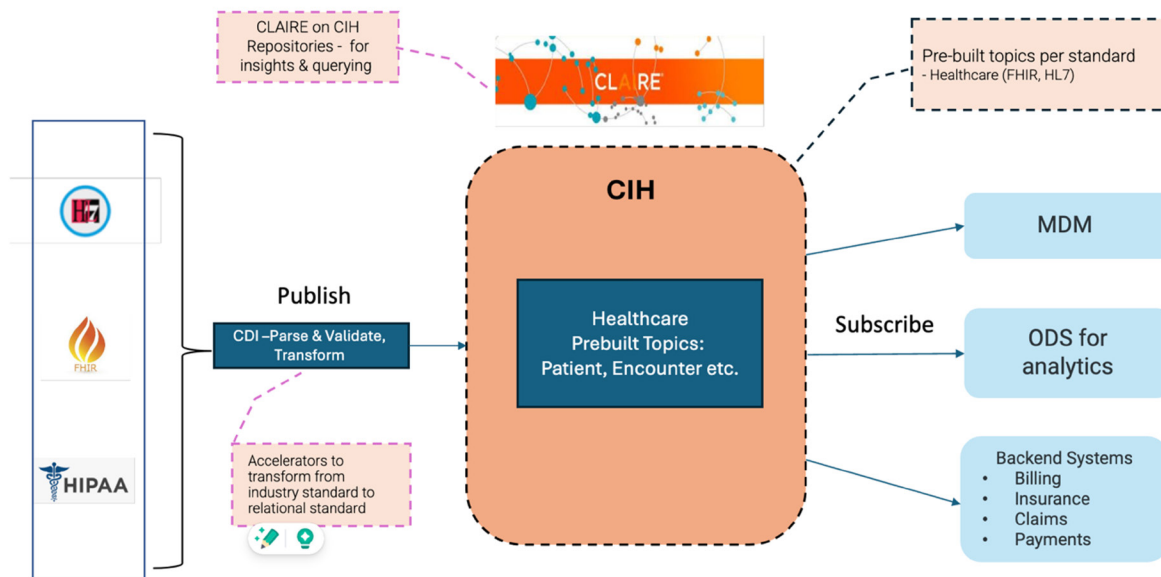


Figure 1. Cloud Integration Hub for Healthcare and Lifesciences

Key Features

Pre-Built Topics	Accelerate onboarding with pre-defined topics for key healthcare standards such as patient records, diagnostic reports, medication requests, location and more.
Transformational Publishing Templates	Utilize templates to create publications that transform data from diverse industry standards into a relational model.
Streamlined Subscription Creation	Create subscriptions effortlessly to ensure relevant data delivery to various healthcare applications such as MDM, ODS and backend systems (billing, insurance, claims, etc.) tailored to their consumption needs.
Publishing and Subscription	Publish and subscribe to industry-supported formats with templates guiding data parsing, validation, transformation and storage in the CIH data repository.
AI-Driven Insights	Leverage CLAIRE AI for advanced insights and querying capabilities on CIH repositories.

Use Cases and Benefits

Enhance Patient Care and Engagement: Integrate and transform diverse data for holistic patient views. Ensure clinicians have immediate access to essential patient information in an easily accessible format, empowering them to make informed clinical decisions and improve health outcomes.

Accelerate Interoperability: Eliminate data exchange barriers in healthcare by translating varied data standards into a common relational format. Facilitate seamless and efficient communication across diverse healthcare systems, ensuring optimal resource utilization and improved patient care services.

Improve Consumer Experience: Deliver an exceptional consumer experience by making high-quality data readily accessible from various sources.

Increase Operational Efficiency: Enable faster, efficient and cost-effective development practices. Transform diverse healthcare data into a standard format to enhance productivity and enable easier data sharing and utilization, driving operational efficiencies across the organization.

Next Steps

Explore how Cloud Integration Hub for Healthcare and Lifesciences can benefit your organization. Visit our [product page](#) and the [Healthcare](#) and [Life Sciences](#) pages, or [contact us](#) to learn more about how you can advance interoperability within industry standards.

Where data & AI come to



Informatica (NYSE: INFA) brings data and AI to life by empowering businesses to realize the transformative power of their most critical assets. When properly unlocked, data becomes a living and trusted resource that is democratized across your organization, turning chaos into clarity. Through the Informatica Intelligent Data Management Cloud™, companies are breathing life into their data to drive bigger ideas, create improved processes and reduce costs. Powered by CLAIRE®, our AI engine, it's the only cloud dedicated to managing data of any type, pattern, complexity or workload across any location — all on a single platform.

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