



Unlocking the Full Potential of Healthcare and Life Sciences with Seamless Data Exchange

Deliver improved patient care and get new therapies to market faster with HL7 and HIPAA services to advance data exchange and interoperability across the healthcare ecosystem

We are in a new era of healthcare, where technology and innovation are driving transformation and improving patient outcomes. Interoperability is at the forefront of this change, delivering a seamless and connected healthcare experience for patients, providers and health plans, while contributing to the growth of decentralized clinical trials in life sciences.

No longer is healthcare limited by isolated systems and siloed information. Interoperability bridges the gap — breaking down barriers in communication to deliver better care and better health. Fragmented care, manual data entry and inconsistent patient information can be remedied. Patients have access to their comprehensive health records; providers have the information they need to make informed decisions; and health plans can improve population health outcomes.

Overcoming Data and Technology Barriers

To support these aspirations, healthcare must overcome the technological barriers to manage electronic data exchange, integration, sharing and retrieval. Required capabilities consist of easily handling all manner of Health Level 7 (HL7) messaging, including legacy v2.x formats and the rapidly growing adoption of Fast Healthcare Interoperability Resources (FHIR), are standards designed to support modern, web-based health information exchange. Support for the Health Insurance Portability and Accountability Act (HIPAA) transaction set is equally critical while ensuring the privacy and security of protected health information (PHI) regulated by HIPAA.

Key Benefits

- Improve coordination and collaboration of patient care
- Enhance the healthcare consumer experience
- Reduce clinical and administrative costs
- Accelerate the research and development (R&D) of new products and therapies
- Create value through healthcare mergers and acquisitions (M&A)

Importantly, HL7 and HIPAA messaging formats are only a subset of the wide variety of data sources, data types, data latencies and emerging technologies that healthcare organizations must work with every day. As a result, healthcare organizations need a comprehensive data management platform like the Informatica® Intelligent Data Management Cloud™ (IDMC) that supports the full spectrum of use cases, including interoperability.

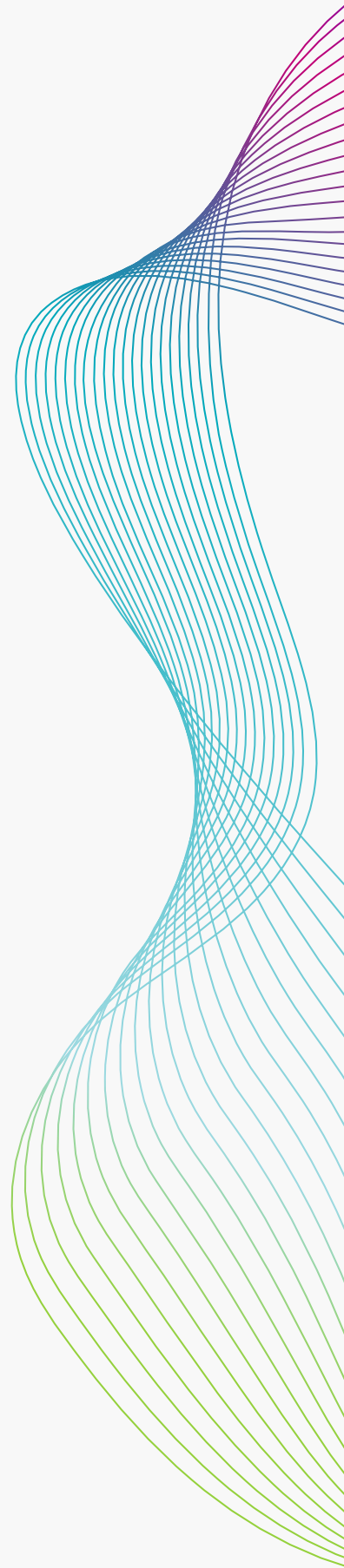
Key Benefits

Embracing the technology that enables these objectives can support multiple benefits, including:

- **Improve coordination and collaboration of patient care:** Enable better informed decision making from increased provider collaboration with access to complete and accurate patient information.
- **Enhance the healthcare consumer experience:** Interoperability and data sharing reduces the frustration of consumers to repeatedly provide the same information at different points of care, promotes coordinated care and is essential to a consistent digital experience.
- **Reduce clinical and administrative costs:** Manual data entry is virtually eliminated, reducing effort while eliminating rework from errors inherent in manual data entry. Duplicative tests and procedures are lessened, reducing costs for health plans and providers.
- **Accelerate the research and development (R&D) of new products and therapies:** Interoperability is an essential capability to support the growth of decentralized clinical trials and the effective sharing of accurate, timely clinical information.
- **Create value through healthcare M&A:** Organizations can quickly access and integrate high-quality data from multiple sources and improve data quality and accuracy, leading to faster time to business value and improved care experiences.

Accelerate Interoperability in Healthcare and Life Sciences with Cloud-Native HL7 and HIPAA Support

The Informatica Intelligent Data Management Cloud (IDMC) for Healthcare and Life Sciences delivers advanced HL7 and HIPAA cloud-native services. With these out-of-box capabilities, healthcare organizations can create advanced data transformations that conform to legacy HL7 2.x formats, new FHIR standards along with HIPAA message formats that overcome the data and technology barriers to interoperability.



HL7 and HIPAA Data Services with the Informatica Intelligent Data Management Cloud (IDMC) for Healthcare and Life Sciences

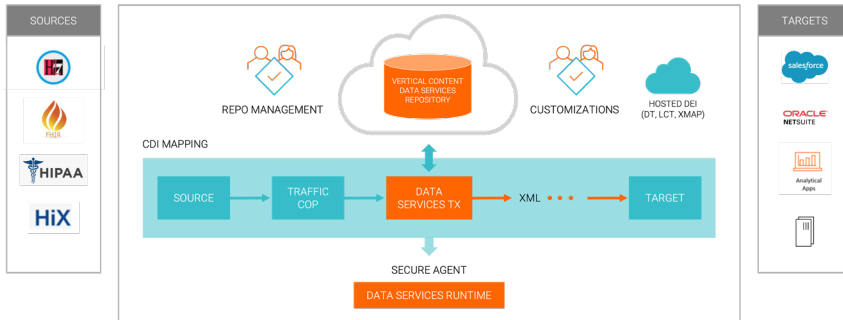


Figure 1. HL7 and HIPAA data services with IDMC

Designed to deliver critical insights from healthcare data by leveraging industry standards for data exchange, as shown in Figure 1 the IDMC for Healthcare and Life Sciences HL7 and HIPAA services enable the ability to:

- Batch or real-time loading and processing of data in HL7 2.x and HIPAA format in support of operational and analytical use cases.
- Source, cleanse, transform and process patient and other healthcare data from silos to harmonize and synchronize healthcare data across applications.
- Automate the process of extracting and transforming data from various sources to ensure data is accurate, complete and up to date, helping consumers and clinicians make more informed decisions and reduce the risk of medical errors.
- Ensure strict data security and privacy requirements of HIPAA are met, which helps protect patient data from unauthorized access, use, or disclosure. This can improve patient trust in the healthcare system and reduce the risk of data breaches.

Improving Patient Care and Getting Life-Saving Products to Market Faster

Valley Health needed a way to more effectively manage and improve patient relationships and to encourage patients to be more proactive about their care. However, patient data was distributed across multiple systems, making it difficult to identify patients who needed follow-up.

Unlocking the Full Potential of Healthcare and Life Sciences with Seamless Data Exchange

By utilizing Informatica, they were able to store a complete and accurate picture of each customer. Valley Health now has a trusted, comprehensive view of each patient that has been collected and transformed across hospital systems in a way that is reliable, secure and compliant with HL7 electronic messaging standards. The number of appointments scheduled increased within the first year of the project.

In another example, global pharmaceutical services leader AmerisourceBergen needed to integrate data management and analytics while maintaining highly accurate data masking, automate existing manual processes for test data provisioning, and achieve and demonstrate regulatory compliance on a global scale. By leveraging Informatica, they were able to serve customers as a single, unified company and give them the information they needed for regulatory compliance. They also scaled past one billion customer records without an increase in cost or a significant expansion of resources.

Next Steps

Need more product-specific details? Check out our [HL7 and HIPAA services data sheet](#).

Join best-in-class companies that choose Informatica cloud solutions for healthcare and life sciences to deliver better healthcare outcomes.

Learn more at www.informatica.com/healthcare.

Get a faster return on your investment with Informatica Professional Services

Talk to our experts in cloud data management.

[Check out our services.](#)

Informatica (NYSE: INFA) brings data 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. Informatica. Where data comes to life.

IN17-0423-4507

© Copyright Informatica LLC 2023. Informatica and the Informatica logo are trademarks or registered trademarks of Informatica LLC in the United States and other countries. A current list of Informatica trademarks is available on the web at <https://www.informatica.com/trademarks.html>. Other company and product names may be trade names or trademarks of their respective owners. The information in this documentation is subject to change without notice and provided "AS IS" without warranty of any kind, express or implied.



Informatica®