

Managing the Healthcare Data Deluge



How logical data management can enhance patient outcomes

Managing data from electronic health records (EHRs), patient management systems, and pharmacies can be challenging. When the data is distributed across multiple disparate systems, complexity increases leading to higher probabilities of errors. Integrating this data, while maintaining strict security and governance standards, is a critical factor in enhancing patient care and operational efficiency. To reach those goals, healthcare organizations need to overcome five interconnected challenges:

- **Integrating Disparate Data Systems:** Connecting disparate data sources to provide a unified view of patient information
- **Providing Real-Time Data Access:** Ensuring immediate access to vital data for timely decision-making
- **Complying with an Increasing Number of Regulations:** Navigating the complex landscape of healthcare regulations while maintaining data privacy and security
- **Reducing Cost and Complexity:** Streamlining data management processes to reduce the financial and operational burden
- **Improving Patient Outcomes:** Leveraging integrated data to enhance diagnosis, treatment, and patient care planning

This solution brief introduces logical data management as a transformative approach that addresses the need for integrated, secure, and efficient data handling. It will explore how logical data management enables organizations to overcome the above challenges effectively, offering a roadmap to enhanced operational efficiency and more effective patient care.

SOLUTION

Logical Data Management for the Healthcare Industry

INDUSTRY

Healthcare

WEBSITE

www.denodo.com

PRODUCT OVERVIEW

The award-winning Denodo Platform is the leading data integration, management, and delivery platform using a logical approach to enable self-service BI, data science, hybrid/multi-cloud data integration, and enterprise data services. Realizing more than 400% ROI and millions of dollars in benefits, Denodo's customers across large enterprises and midmarket companies in 30+ industries have received payback in less than 6 months.

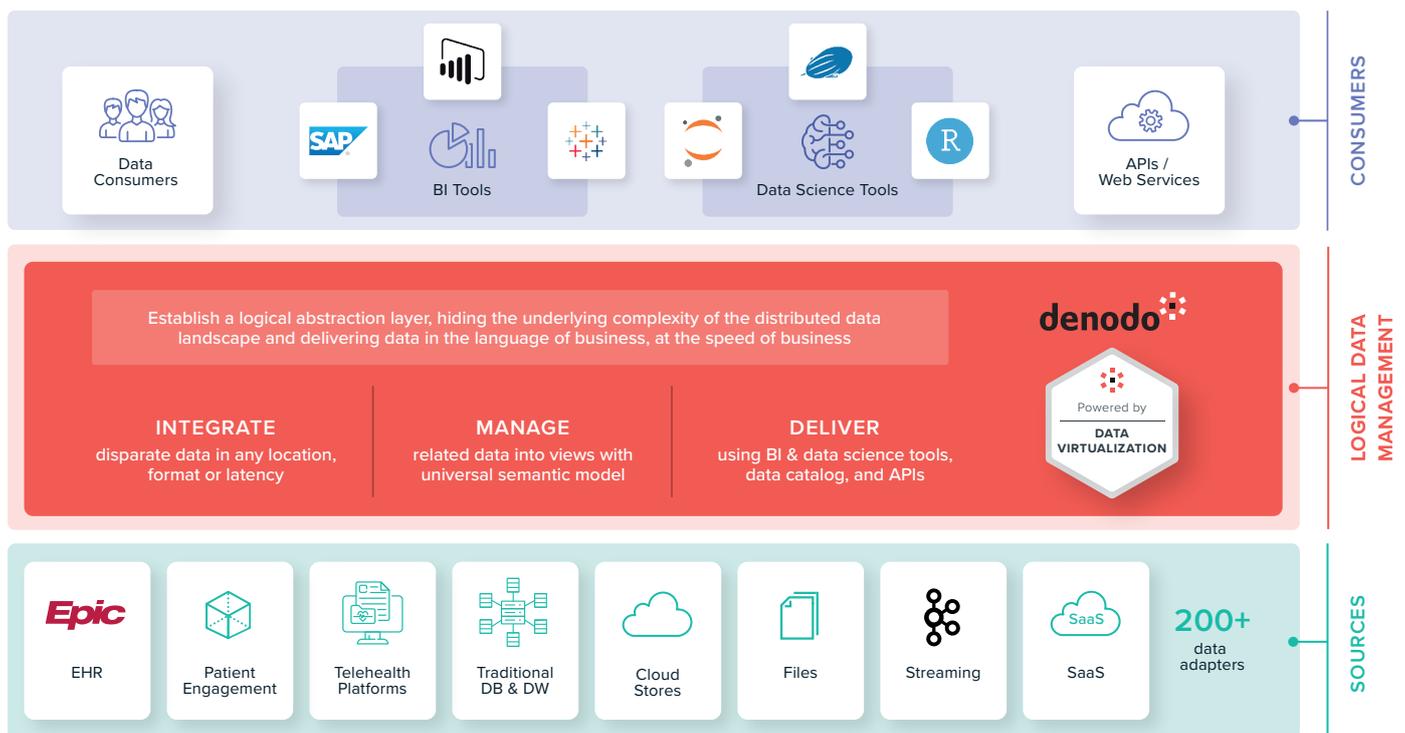


What is Logical Data Management?

Logical approaches to data management enable real-time connections to disparate data sources without physically moving data from its original location(s). Logical data management has become a pivotal solution in healthcare, harmonizing disparate patient data into a unified, secure framework.

Here is how logical data management overcomes each of the challenges listed above:

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DATA SILOS AND INTEGRATION CHALLENGES
 Provides a unified platform that seamlessly integrates data from disparate sources, including EHRs, patient management systems, and pharmacies. By breaking down data silos, it ensures all patient information is accessible in a cohesive manner, enhancing operational efficiency and patient care.
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REAL-TIME DATA ACCESS
 Enables healthcare providers to access patient data in real-time, eliminating the delays associated with traditional data integration methods. Immediate access to data facilitates timely decision-making and improves responsiveness.
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REGULATORY COMPLIANCE AND DATA GOVERNANCE
 Simplifies adherence to complex regulatory requirements by providing a centralized platform for data governance. This ensures all patient data is managed securely and complies with global standards, mitigating risks and enhancing patient privacy.
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COST AND COMPLEXITY OF DATA MANAGEMENT
 Centralizes data access and significantly reduces the costs and complexities of maintaining multiple databases and data integration processes. This streamlined approach allows organizations to allocate resources effectively and focus on strategic initiatives.
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IMPROVING PATIENT OUTCOMES
 Empowers healthcare providers with an integrated view of patient data, enabling better diagnosis, treatment planning, and patient care. Facilitates informed decision-making, leading to enhanced patient outcomes and quality of care.



Common Use Cases for the Denodo Platform in Healthcare Settings

The Denodo Platform, a leading logical data management platform, enables healthcare providers to enhance operational outcomes while improving patient care. The use cases below exemplify the Denodo Platform's capabilities in use and illustrate the platform's versatility and impact.



INTEGRATING ANALYTICS FOR IMPROVED PATIENT OUTCOMES

The Denodo Platform enables integrated analytics across the care continuum, offering a consolidated view of patient data from diverse sources, such as EHRs, imaging, and lab results. It provides a deeper understanding of health trends and treatment effectiveness, empowering providers to make informed decisions, tailor patient care plans, and elevate the quality of care and patient outcomes.



STREAMLINING PHARMACEUTICAL REIMBURSEMENTS

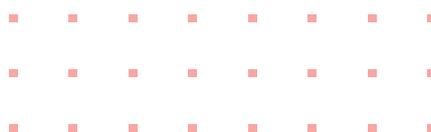
The Denodo Platform helps navigate the intricate Medicare 340B program, integrating relevant data streams to ensure accurate eligibility assessments and compliance. Supports precise drug inventory management and financial reconciliation, helping providers to maximize Centers for Medicare and Medicaid Services (CMS) reimbursements and bolster financial health.



ENHANCING OPERATIONAL EFFICIENCY ACROSS MULTIPLE DOMAINS

The Denodo Platform bridges the gap between informatics and clinical care by improving data analytics and enhancing operational efficiency across staffing, supply chain, and clinical care sectors. AI's transformative role in informatics is pivotal, analyzing extensive datasets to inform clinical decisions, optimize healthcare delivery, and expedite research. The Denodo Platform facilitates this integration, enabling providers to leverage AI for actionable insights and improve efficiency, decision-making, and patient care.

These examples represent just a fraction of the potential use cases for the Denodo Platform. It enables providers to tackle various challenges, leveraging data to improve patient care, operational efficiency, and financial performance. Integrating AI and advanced analytics further amplifies the Denodo Platform's impact, promising a future in which healthcare is more integrated, efficient, personalized, and effective.



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