

Prescriptive Data Management Cures Healthcare Industry Ailments

Organizations are challenged to cost-effectively secure and manage data vital to their operations. There's a prescription for that.

By Peter Bartolik

In the course of just one healthcare visit, patients often fill out documents with the same information multiple times. The patient's medical provider may then struggle to retrieve and update the same information—while the healthcare researcher labors to leverage this data as part of a related treatment study. Massive amounts of data are generated between the patient, their provider, and the healthcare researcher in this fragmented landscape and it is just one example of how the lack of a modernized data management system can effect different but intertwined parts of a healthcare organization. Each is frustrated by a reliance on legacy solutions that cannot integrate with the larger IT system. This in turn makes infrastructure—including traditional storage and backup solutions—expensive, inflexible, and more exposed to security risks.

Data management services play an important role in improving the quality of patient care, enhancing care management outcomes, and achieving business transformation goals. This includes healthcare initiatives such as:

- Improving compliance to HIPAA and other healthcare regulations
- Protecting healthcare data from ransomware and other malicious attacks
- Increasing data accessibility to improve the quality of patient care and research outcomes
- Modernizing legacy electronic patient record applications
- Improving business continuity with cost-effective disaster recovery options
- Migrating critical business operations to agile cloud services

The value of sensitive healthcare data heightens risks

The risk of cyberattacks such as ransomware and data theft are significantly greater than for other industries, due to the highly personal nature of patient data they safeguard. A recent [article](#) noted that a single healthcare record for a targeted individual can fetch up to \$1,000 on the dark web. Data loss can severely damage an organization's brand reputation and erode patient confidence, while regulatory non-compliance may result in substantial fines and punitive actions.

Multi-generational data sprawl, siloed data, and data fragmentation are chronic conditions for many healthcare organizations. Managing this environment diverts critical IT resources to maintaining older systems and inhibits their ability to take advantage of more agile technology and cloud-based services. Reliance on proprietary vendors for point solutions and solutions that cannot scale further impedes movement toward a

common infrastructure that would improve the use and exchange of data within a data environment that is already bound by strict compliance requirements. Compounding all these issues are the waves of mergers and acquisitions occurring within the industry that bring further legacy solutions into an organization's IT landscape.

Commvault and Microsoft Azure enable critical capabilities to drive transformation

A modern data management solution provides confidence that essential data is always available for varied workloads—including containers, cloud-native, and virtual—across cloud and on-premises environments. Commvault's Intelligent Data Services Platform provides visibility to the entire data environment. Commvault's services are built on Microsoft infrastructure, including the Azure healthcare cloud, all designed with critical multi-layered data security and data management capabilities to accelerate transformation and innovation for healthcare organizations. Commvault's software-as-a-service offering, Metallic™, leverages the simplicity of a consumption-based subscription model that can easily scale up or down, depending on customers' needs.

Commvault's Intelligent Data Services solves:

- ☞ Data management and protection to ensure availability across the ecosystem
- ☞ Data security services to mitigate cyberattacks, with enhanced protection and recovery
- ☞ Data compliance and governance with agility to adapt in highly regulated markets
- ☞ Capabilities to shift and repurpose data across environments
- ☞ Insight into data use patterns, as well as insights driven by machine learning

Seamless integration with most widely used healthcare applications

To help organizations transform their data faster, Commvault has invested in integrations and certifications for the most widely used healthcare-specific applications, including Epic, Meditech, InterSystems, and Cerner. With Commvault, organizations quickly transform applications and related data to the Azure healthcare cloud, easing the management of patient records, clinical data, and research data, while improving overall data visibility and exchange. This empowers healthcare organizations to fully leverage the capabilities of Azure healthcare cloud and other Azure services to substantially reduce costs and the potential for cyberattacks.

An intelligent data management system allows organizations to use their data regardless of where it resides and better leverage data to improve performance and reduce costs. Together, Commvault and Microsoft enable healthcare providers to eliminate the complexity of legacy electronic patient record systems and unmanageable, overburdened research data repositories—transforming patient experiences and levels of care.

Learn how Commvault and Microsoft can help your organization transform.

- ☞ Visit microsoft.com/commvault or email
- ☞ microsoft@commvault.com

Commvault Intelligent Data Services deliver:

| Data Management and Protection | Data Security | Data Compliance and Governance | Data Transformation | Data Insights |
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| Unifies data management and protects data at scale for all workloads across on-premises and hybrid/multi-cloud environments. | Advanced detection, multi-layered protection and rapid recovery from security threats including ransomware and data breaches. | Help ensure compliance with data access regulations and requests, including managing and remediating data risks, as part of a broader data governance strategy. | Seamlessly move and repurpose data across environments, enabling containerized workloads for application modernization, security testing, IT operations, and other business needs. | Use artificial intelligence-driven data insights to drive efficiency and optimize IT processes; anomaly detection to mitigate ransomware and other data breaches; protection of sensitive data. |