NetApp

NetApp for healthcare and life sciences: Serving up data at life-saving speed

Data is the lifeblood of healthcare and life sciences. Like blood itself, data flows through the veins of every healthcare and life sciences company. It must be highly available, keep the body performing, and never spill unexpectedly. The team at NetApp aren't doctors (and we don't play them on TV), we're cloud specialists. We can help you keep your data healthy, safe, and right where it belongs so you can spend your time saving lives.

Make your data behave. Structure uninhibited data growth with an effective strategy so you can see and do more.

Healthcare data will experience a compound annual growth rate (CAGR) of 36% through 2025.[1]

By 2025, an estimated 40 exabytes of storage capacity will be required for human genomic data.[2]

Challenge
"Our team is plagued by poor data management and legacy infrastructure. We can't get full value from the large amounts of siloed data available to us. Our care team can't access information that could help them come to better diagnoses faster, and ultimately, save more lives."

Opportunity
Siloes are good for farms, bad for data. NetApp solutions tear down data siloes to strategically bring together data from hospitals, departments, and treatment facilities; research and testing sites; and administrative and corporate offices—wherever you create—to a centralized management platform. With NetApp solutions, you get consistent data management across the cloud and on-premises, are ready to scale, and can manage your data effectively (and more easily).

Come together, right now, over data. Advance research and collaboration, and enable exceptional patient care.

Challenge
"Our ability to treat diseases, such as cancer, lies in genomic-driven precision medicine. Genomic data is often siloed—dispersed across various technologies, geographies, and data centers throughout our health system. It's impeding everything from research to diagnosis to treatment."

The virtual, augmented, and mixed reality healthcare market is projected to reach $5.1 billion by 2025.[3]

A single human genome takes up 100 gigabytes (or more) of storage space.[4]

Opportunity
NetApp's data management solutions make it possible to connect cloud and on-premises seamlessly so you can move data where it needs to go – from lab to office to patient. NetApp's ability to integrate data on-the-fly not only delivers unprecedented computational efficiency, it helps you deliver exceptional patient care (and if the data is accessed in the maternity ward, it may even help deliver more than that).

Want more to talk about? Extract meaningful insights, with proper data management leading to faster discussions.

63% of physicians now communicate with patients through electronic health records (EHR).[5]

89% of all hospitals have implemented inpatient or ambulatory EHR systems.[6]

Challenge
"Healthcare data continues to grow at a rapid pace, which could give us tremendous insight. Right now, all that data is creating a fog of visibility. Widespread adoption of electronic health records (EHR) means we have an excess of data – though much of it is unstructured, making it hard to access and decipher, especially at the point of care. And everything is manual, which is time-consuming, further slowing down diagnostics, and increasing the chance of error."

Opportunity
The phrase "go big or go home" seems applicable. NetApp solutions can handle big files – think medical imaging – without a drop in performance. We "go big" to deliver easily accessible data and our solutions allow for analytics that help you gain insight. With the increase in virtual visits and solutions, we want to make it as easy as possible for the clinician and the patient to interact with the data they require. A seamless integration of technology is essential. NetApp solutions are built to be the ideal partner for health information technology (HIT) providers to access, organize, protect, and share electronic medical records (EMR), picture archiving and communication systems (PACS), and medical imaging.

Keep your IT budget under control. Cut costs with intelligent data management and storage solutions.

Challenge
"Since implementing more AI and IoT devices, our growing data footprint is resulting in out-of-control IT costs. Our budgets are already being stretched."

75%–90% of unstructured data sits siloed and unused, often eating up top-tier storage costs to no purpose.[7]

By moving infrequently accessed data to an archive tier, storage costs are reduced by up to 95% monthly.[8]

Opportunity
The value of your data changes over time – what's hot today will be cold in a year. You don't want to store cold data in the expensive tiers where only hot data should be. You'll end up paying the price – literally. NetApp will automatically place data at the optimal storage tier while providing a performative platform for healthcare providers to get the information they require, where and when they need it. NetApp on-premises and cloud-connected solutions are designed to support an organization's journey to higher-quality patient care while keeping costs in check.

We're like bodyguards for your data. Protect your most sensitive data and meet compliance and security regulations.

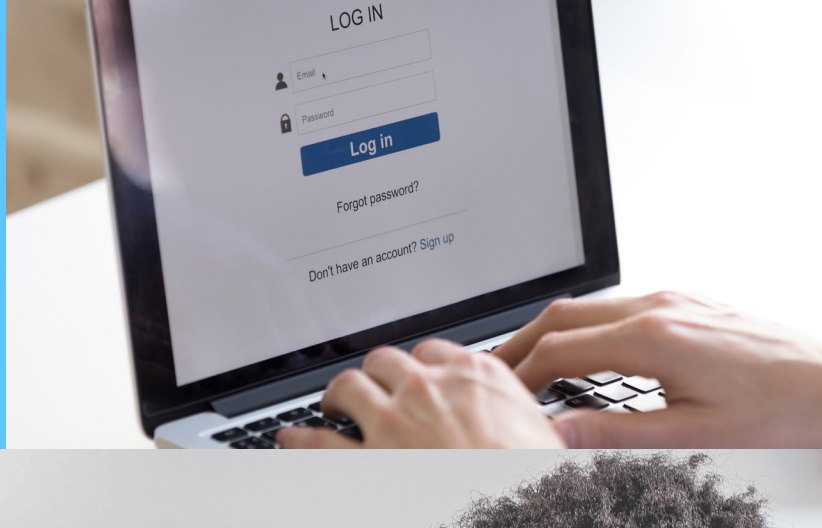From 2015 to 2019, hacking incidents exposed more than 92% of EHR records.[9]

In the healthcare industry, the average cost of a data breach is $6.45 million, up from $3.92 million in 2019.[10]

Challenge
"We want to protect our data. You hear about the escalating number of cyberattacks and data breaches in our industry. And maintaining compliance with HIPAA and the GDPR is always a concern. But often, security measures impact application performance."

Opportunity
NetApp on-premises and cloud solutions are compliant with the Health Insurance Portability and Accountability Act (HIPAA). NetApp built-in security (such as cloud tiering) enables corporations to meet security mandates dictated by HIPAA and General Data Protection Regulation (GDPR).

NetApp solutions provide immediate access to critical data, enabling exceptional patient care and the opportunity to fulfill mandates for research, safety, governance, security, compliance, resilience, and more. Simplify data management with a single-platform solution for all applications – clinical and enterprise – running on-premises or in the cloud.

Download the eBook →

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