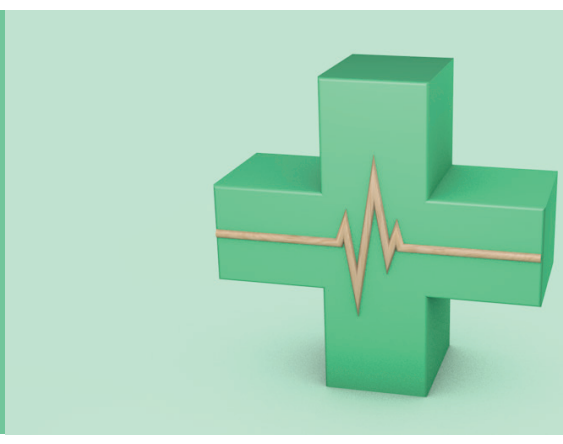
NetApp

Build a healthy data infrastructure for AI in medicine



AI is the new kid on the block

And it's changing medicine for good, bringing transformation to just about every aspect of the business. Improving diagnostics. Automating administrative tasks. Accelerating research. And predicting and preventing illness before it occurs.

In the face of rising costs—and more and more doctors, nurses, and administrative staff burning out—digital transformation is more important than ever.

With a robust AI data infrastructure in place, the opportunities for reducing costs, assisting staff, and improving patient care are endless.

83% of healthcare organizations have implemented an AI strategy.[1]

75% of patients expect virtual care offerings to be a standard part of their care from now on.[2]

Automate administrative tasks to improve staff efficiency.

40% of tasks performed by healthcare support staff and 33% of tasks performed by healthcare practitioners have the potential to be automated by AI.[3] Automating these tasks with AI-powered solutions improves efficiency, freeing staff to do more high-value work.

Help doctors provide the right treatment at the right time, saving thousands of lives.

Sepsis patients have a 20% to 30% mortality rate. Use of AI to provide the right treatment at the right time saves thousands of lives. Cutting sepsis mortality rates by just 5% would be equivalent to finding a cure for breast cancer.[4]

Enable predictive and proactive health management to prevent costly, life-threatening situations.

For patients with chronic diseases, remote monitoring devices can lower hospitalization rates by 76%,[5] significantly reducing healthcare costs for both providers and patients.

Fast track research and development to create lifesaving treatments.

AI can plow through mountains of data to gain new insights into diseases and shave years off developing a treatment. Today, only 5% of rare genetic diseases have treatments available.[6] AI can change that by quickly bringing new, targeted drugs to market.

Challenges with building a healthy AI data infrastructure

The possibilities are endless. But building an AI infrastructure—especially in a highly regulated environment—isn't easy. You need a data infrastructure that can unleash the power of AI throughout your organization. To do it well, you need:

Vast amounts of data

As many as **2 billion human genomes** could be sequenced by 2025, requiring **40EB of storage capacity.**[7]

Seamless data movement

One dataset for AI-based breast cancer research was created using **22,032 digital image volumes** from **5,610 studies** involving **5,060 patients.**[8]

Speed

A virtual nursing assistant needs to ingest data, process it, and generate a real-time response in **less than 300 ms.** How fast is that? Faster than you can blink an eye.

NetApp delivers breakthroughs with AI

NetApp helps you hit your Quadruple Aim targets with AI solutions that remove bottlenecks at the edge, core, and cloud to enable more efficient data collection, faster AI workloads, and smoother cloud integration.

Our solutions solve performance and security challenges to help you improve patient care and your bottom line.

With NetApp, your medical data is always available in the right place at the right time to fuel transformation.

Our proven AI solutions remove data silos to enable real-time diagnosis, speed development of new drug treatments, and streamline administration.

Are you ready?

The future of medicine depends on AI. If you're ready to start your own healthcare transformation, you've come to the right place. NetApp has the experience and the know-how to help you build an AI infrastructure that advances patient care and improves operational efficiency.

Learn more about NetApp AI solutions for medicine.

1. https://healthitanalytics.com/news/over-80-of-health-execs-have-artificial-intelligence-plans-in-place
2. https://go.bright.md/whats-next-assessing-digital-tools.html?device=c&utm_term=ai%20healthcare%20technology&matchtype=
3. https://www.aha.org/system/files/media/file/2019/09/Market_Insights_AI_Workforce_2.pdf
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8. https://www.cancertherapyadvisor.com/home/cancer-topics/breast-cancer/artificial-intelligence-breast-cancer-research-data-set

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