

How AI and Deep Learning Are Improving Healthcare



NVIDIA supercomputers and NetApp cloud-connected all-flash storage are simplifying, accelerating, and integrating the data pipeline for artificial intelligence (AI) and deep learning.

The results have already begun transforming the future of healthcare. Here are three big reasons why.



Doctors Are Now Making Faster, More Accurate Diagnoses



61%

Percentage of heart patients who —thanks to AI—are avoiding invasive angiograms, **cutting treatment costs by 26%.**¹



85%

Percentage of breast cancer patients in which **AI is reducing diagnosis errors.**¹



100X

The factor by which AI is enabling MRIs to accelerate image reconstruction—**with 5x greater accuracy.**¹



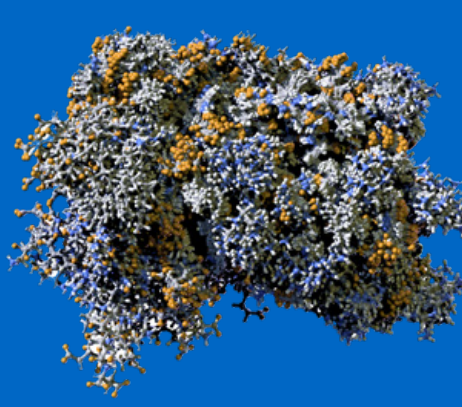
Drug Researchers Are Expediting Discovery and Development

\$2.6 BILLION

AI can reduce the cost of bringing new drugs to market during their 12-14 years of development.¹

MILLIONS

The volume of molecules AI analyzes to quickly identify potential drugs and lower development costs.¹



Molecule of Human Interferon

10X

Annual productivity increases AI brings to Alzheimer's, cancer, and Multiple Sclerosis drug researchers.¹

Costs Are Falling and Outcomes Are Improving



5%

AI-automated breast cancer risk assessments cost compared to current genomic tests.¹

2 MILLION

The number of stroke patient neurons being saved each minute by rapid AI diagnoses.¹



TENS OF MILLIONS

Healthcare professionals everywhere will soon use AI and retina imaging to quickly detect countless medical conditions.²

Today's data visionaries are joining NetApp and NVIDIA to apply AI and deep learning to healthcare's greatest challenges. They are accelerating medical discoveries, improving patient care, and disrupting the industry as we know it.



Discover how NetApp and NVIDIA can help you accelerate your journey into the world of artificial intelligence.

netapp.com/ai

¹ <https://www.nvidia.com/en-us/deep-learning-ai/industries/healthcare/>, <https://www.slideshare.net/AlisonBLowndes/deep-learning-customer-stories>

² <https://blogs.nvidia.com/blog/2016/02/17/deep-learning-4/>