

ADVANCE AI-DRIVEN HEALTHCARE WITH AMD

Enable faster insights and improved patient outcomes with secure infrastructure

THE CHALLENGE

Healthcare organizations are under growing pressure to deliver better patient outcomes while managing cost, complexity, and risk.

From AI-driven diagnostics and imaging to genomics and research, workloads are becoming more data-intensive and time-sensitive. At the same time, legacy systems and siloed data are slowing innovation.

Add in escalating cybersecurity threats, strict regulatory requirements, and rising energy consumption, and infrastructure quickly becomes a limiting factor.

93% of healthcare leaders report escalating cybersecurity risks, while 96% cite high energy consumption as a major IT challenge^{1,2}

THE REQUIREMENTS

Modern healthcare requires infrastructure that can scale securely across clinical, research, and operational environments. That means:

- 01** High-performance compute for AI, imaging, genomics, and analytics
- 02** Scalable platforms to support AI from research to real-time clinical use
- 03** Efficient systems that reduce energy consumption and total cost of ownership
- 04** Secure, compliant infrastructure to protect sensitive patient data


THE AMD SOLUTION



ACCELERATE CLINICAL AND RESEARCH INSIGHTS

AMD powers AI-driven diagnostics, medical imaging, genomics, and simulation, helping clinicians and researchers move faster from data to decision.

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IMPROVE PERFORMANCE WHILE REDUCING COST

High core density enables workload consolidation, lowering infrastructure footprint, energy use, and overall cost.

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SCALE AI ACROSS ENVIRONMENTS

Run AI seamlessly across data center, cloud, and edge, from research labs to point-of-care applications.


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ENABLE FLEXIBILITY WITH AN OPEN ECOSYSTEM

The AMD open architecture supports interoperability across hybrid and multi-cloud environments, avoiding vendor lock-in.

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STRENGTHEN SECURITY AND COMPLIANCE


Advanced security features help protect patient data and support regulatory requirements across the stack.

THE IMPACT


Healthcare organizations need infrastructure that delivers performance, efficiency, and security, without adding complexity. Working with AMD, organizations can:



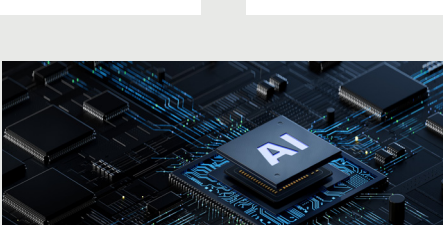
Accelerate diagnostics, research, and clinical workflows




Improve operational efficiency and system performance



Reduce energy consumption and total cost of ownership



Scale AI across clinical, cloud, and edge environments



Protect sensitive data and maintain compliance

OSF HEALTHCARE



OSF Healthcare reduced response time by over 50% and database access time by almost 75% with AMD solutions.³

➔ EXPLORE SOLUTIONS AT HEALTHCARE AT THE EDGE OR SPEAK TO YOUR AMD REPRESENTATIVE.

¹In 2025, patients are in the healthcare cybersecurity crosshairs, Healthcare IT News 2025 <https://www.healthcareitnews.com/news/2025-patients-are-healthcare-cybersecurity-crosshairs>.
²5-Point Likert Scale; Watchtower, Global, n=949,848.
³GD-181: All performance and/or cost savings claims are provided by OSF Healthcare and have not been independently verified by AMD. Performance and cost benefits are impacted by a variety of variables. Results herein are specific to OSF Healthcare and may not be typical. GD-181.