

Health and Life Sciences

Powering the Future of AI Across Healthcare and Life Sciences

Healthcare systems worldwide face rising costs, aging populations, and caregiver shortages that threaten patient care quality. Intel helps address these challenges with purpose-built computing—leveraging the latest processors with embedded AI acceleration and optimized solutions to reduce reliance on costly discrete GPUs.

Intel platforms power medical imaging workstations, high-throughput screening, and edge AI diagnostics. Our AI Suites and Open Edge Platform, developed with the Health and Life Sciences team, optimize workloads across Intel architectures so healthcare organizations can deploy AI that improves patient outcomes, accelerates medical discoveries, and advances Physical AI.

Healthcare at the Edge. Handle higher volumes, improve turnaround time, and innovate faster at lower cost—securely and in compliance at the edge.



Medical Imaging & Diagnostics

AI-powered radiological analysis for faster, more accurate diagnoses



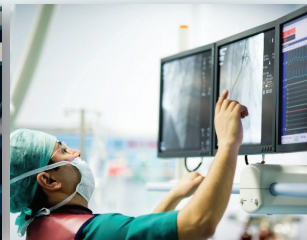
High Throughput Screening

Accelerated compound analysis and drug discovery workflows



Surgical Robotics & Automation

Real-time AI processing for enhanced surgical precision and safety



Clinical Decision Support

Intelligent systems providing evidence-based recommendations and alerts



Drug Discovery & Development

AI-accelerated platforms streamlining molecular research to market

Why Intel

- ✓ **Trusted Innovation Partner**
From concept to commercialization
- ✓ **Edge AI Capabilities**
Real-time insights and action at the point of care
- ✓ **Secure, Power-Efficient Platforms**
Optimized for healthcare environments
- ✓ **Lower Total Cost of Ownership**
Scalable architecture from edge devices to high-performance infrastructure
- ✓ **Open Software Ecosystem**
Optimized tools for faster innovation

Proven Results

- **Geisinger:** AI implementation **improving outcomes** in cancer while **reducing costs**. [Learn more](#)
- **Siemens Healthineers:** **35x acceleration** in organ contouring with Intel AI. [Learn more](#)
- **Mammography Solutions:** Advanced breast cancer detection through **Optimized workflow** resulting in **rapid results**. [Learn more](#)

Learn More

Contact Intel Healthcare Solutions Team



<https://builders.intel.com/communities/healthcare-life-sciences>