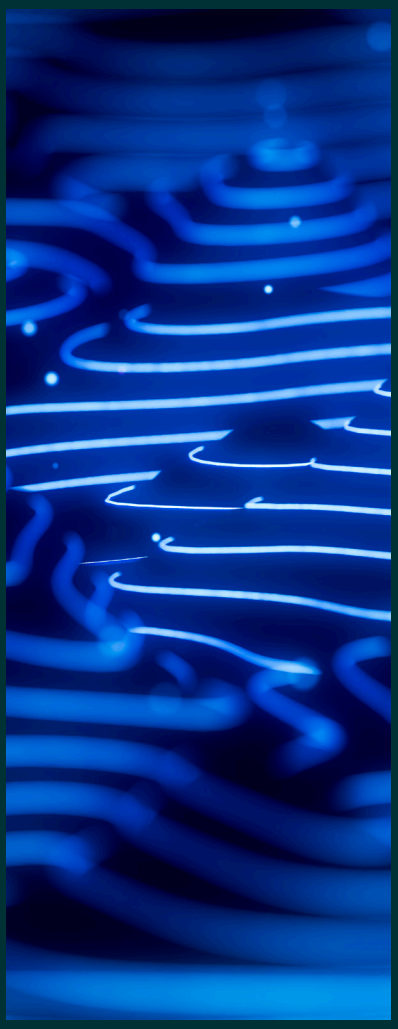
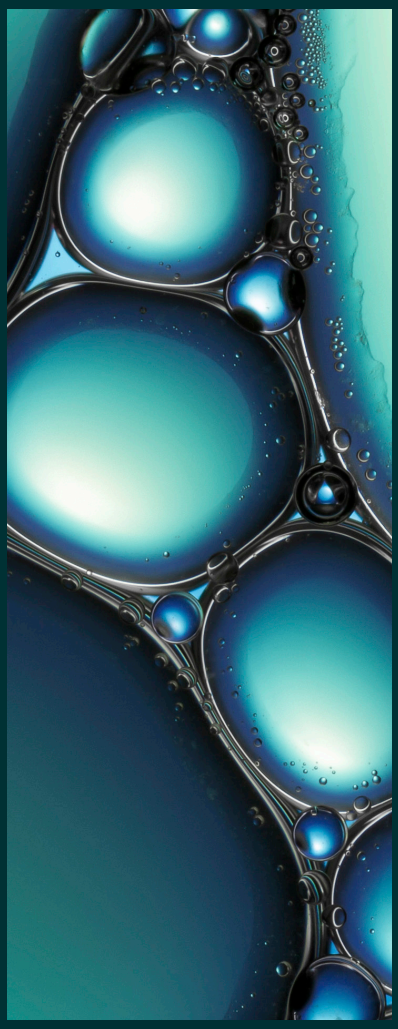
unisys

Better outcomes start well before the point of care

How Unisys helps healthcare and life sciences organizations modernize operations, protect critical data, and prepare for the next era of computing





Contents

When the stakes are this high, IT can't be a bottleneck

Every lab result, clinical decision, and treatment plan has long depended on IT working exactly as it should. The difference today is the amount of computing power that standard now demands. AI, connected devices, and data-intensive R&D are creating new opportunities to improve outcomes, accelerate discovery, and run more efficient operations. Good technology is the starting point. The right technology partner determines how far those opportunities take you.

What's driving change in the lab, the OR, and beyond

The healthcare and life sciences (HCLS) industry is shifting at a staggering pace. Telehealth and remote monitoring are extending care beyond the facility and expanding the IT footprint. Cell and gene therapy R&D is generating data at a scale that traditional infrastructure wasn't built for. And the race to bring new treatments to market is placing unprecedented demands on computing, data management, and security.

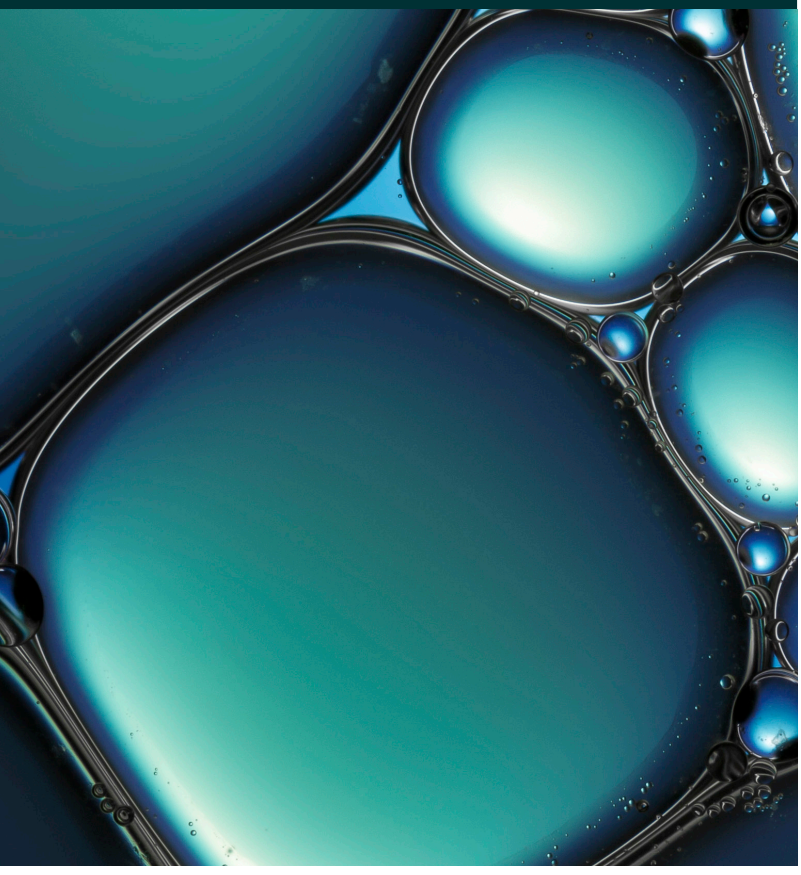
CIOs and IT leaders face these demands amid tightening budgets and regulatory requirements that vary significantly by region. Organizations operating under the U.S. HIPAA frameworks face different constraints than those governed by Europe's AI Act and GDPR or the evolving data governance standards across the Asia-Pacific. That compliance context shapes every technology decision. Getting those decisions right now closes the gap between scientific possibility and patient impact.

Unisys helps HCLS organizations act on these opportunities with capabilities built to deliver results across every priority area.

From AI-powered clinical support to quantum simulation, Unisys brings domain expertise to help HCLS organizations do more with their data and keep it protected.

Where IT leaders should focus right now

HCLS IT leaders are managing priorities that are as interconnected as the systems they oversee. Addressing them requires focused investment and a clear view of where technology delivers the most value.



01 Digital workplace and clinical support

Your clinicians, researchers, and support staff need technology that stays out of their way, with AI-powered tools, responsive support, and device management built for clinical environments.

02 Cybersecurity and data protection

Patient and research data are among the most sensitive in any industry. Protecting it requires security that scales across sites, systems, and endpoints and is ready for emerging threats.

03 Next-generation computing

Modern HCLS runs on data that legacy infrastructure was never designed to process. Building the right foundation now determines what becomes possible next.

04 AI and data-driven operations

Your organization already generates the data needed to make smarter decisions. AI delivers real value when it supports clinical and operational judgment rather than trying to replace it.

05 Cloud and application modernization

Modernizing applications and infrastructure in HCLS requires a staged approach that respects continuity, compliance, and existing investments.

01

Digital workplace and clinical support

In clinical environments, there is no acceptable window for IT downtime. When a clinician can't access a patient record, when a lab technician's device fails mid-shift, or when a researcher loses connectivity, the consequences go well beyond lost productivity.

Unisys delivers digital workplace solutions built for the demands of clinical and life sciences environments. From agentic AI-powered service desks and omnichannel support to on-site tech cafés and field services, your workforce stays equipped and supported so they can stay focused.

The possibilities for your business

- Consistent IT support across every site, shift, and function
- Faster issue resolution with less disruption to clinical workflows
- Device and endpoint management across distributed environments
- Confident adoption of AI-powered tools across clinical and administrative teams, with governance frameworks that keep people in control of every decision that matters

Unisys solutions and expertise

- AI-powered service desk and virtual agents
- Unified endpoint management
- Field services and on-site support
- Device life cycle management and subscription services
- Digital collaboration and productivity tools
- Enterprise service management

Unisys supports **18,000** users and more than **39,000** devices across a **global biotech organization**, with **9** tech cafés delivering on-site support at key research sites. By taking on the complexity of device deployment and IT support, Unisys freed researchers to focus on advancing breakthrough treatments.

02

Cybersecurity and data protection

HCLS organizations hold some of the most sensitive data in the world, and protecting it is as fundamental to their mission as the care and research they deliver. The attack surface grows with every new connected device, cloud workload, and third-party integration, and the regulatory consequences of a breach are significant. Building security into the IT from the start means organizations can grow their digital footprint with confidence.

Unisys helps HCLS organizations design for resilience across every site, system, and endpoint.

The possibilities for your business

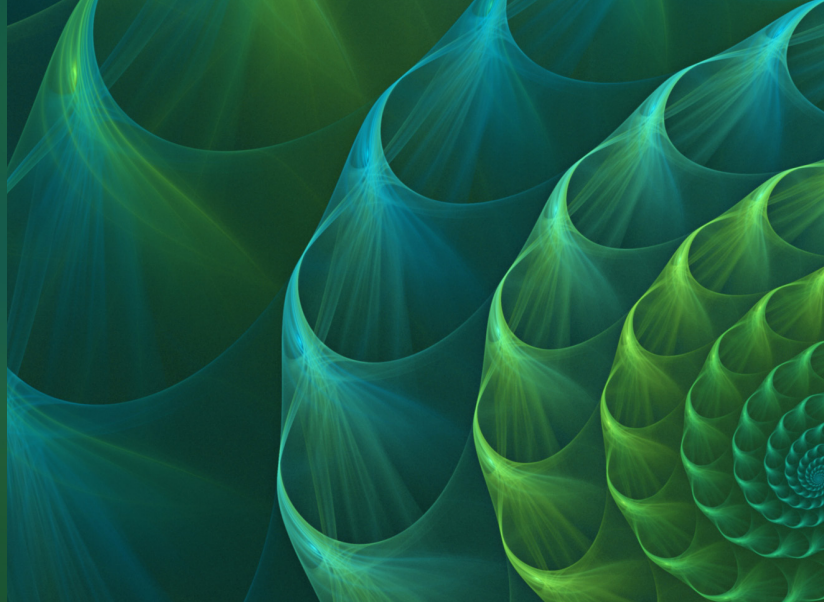
- Consistent protection across distributed clinical and research environments
- Faster threat detection and response with less disruption to operations
- Security that scales as your digital footprint grows
- Confidence that sensitive patient and research data stays protected
- Forward-looking post-quantum cryptography planning

Unisys solutions and expertise

- Zero Trust architecture
- Post-quantum cryptography advisory and implementation
- Digital identity and access management
- Managed detection and response
- Cyber recovery
- Data protection and compliance
- Security managed services

03

Next-generation computing



HCLS organizations work on some of the most complex computations in science. A single genomic pipeline, a drug molecule with hundreds of amino acids, a real-time lab transaction system handling thousands of results simultaneously — these are not problems that standard cloud infrastructure was designed to solve. Connecting enterprise computing systems with AI, high-performance computing, and quantum capabilities can close the gap between what science demands and what the current infrastructure can deliver.

Unisys brings a rare combination of capabilities to this challenge. Our ClearPath® enterprise computing platforms provide the mission-critical foundation that major HCLS organizations depend on for transaction processing, lab results, and insurance claims. Because Unisys understands how data is structured and stored inside these systems, we can build AI workflows and data lake integrations that outside vendors cannot replicate. Building on that foundation, we are able to deliver quantum simulation and optimization, quantum machine learning, and quantum-inspired approaches across a broad ecosystem of platforms — which can accelerate drug discovery, precision medicine, and biomarker research without locking organizations into a single hardware approach. The result? R&D cycles that move faster, with less dependence on trial and error.

The possibilities for your business

- AI workflows designed for the enterprise computing systems your operations already depend on
- Post-quantum cryptography readiness built into your security strategy (before legacy systems make the transition harder)
- Computing infrastructure that can scale with the data demands of precision medicine and next-generation R&D

Unisys solutions and expertise

- ClearPath enterprise computing and modernization
- AI and data integration on enterprise platforms
- Post-quantum cryptography advisory and implementation
- Quantum readiness assessment and strategy
- High-performance computing for R&D workloads

The numbers behind the challenge

A polypeptide with 101 amino acids has roughly 5×10^{47} possible configurations. Classical computing can only approximate a solution. Quantum simulation can work through that complexity directly. Unisys brings quantum simulation capabilities to HCLS organizations working on precisely these kinds of challenges.

04

AI and data-driven operations

Clinical systems, connected devices, lab results, and research pipelines are generating more data than most organizations know what to do with. The opportunity lies in acting on it quickly, accurately, and at scale.

Unisys applies AI where it delivers proven value in HCLS: automating high-volume, repetitive support processes, surfacing operational insights, and enabling faster, better-informed decisions. We approach AI in clinical environments as a decision-support tool. The clinician stays in control. AI handles pattern recognition, data processing, and routine work so clinicians and researchers can focus on the judgment, compassion, and expertise that no algorithm can replace.

The possibilities for your business

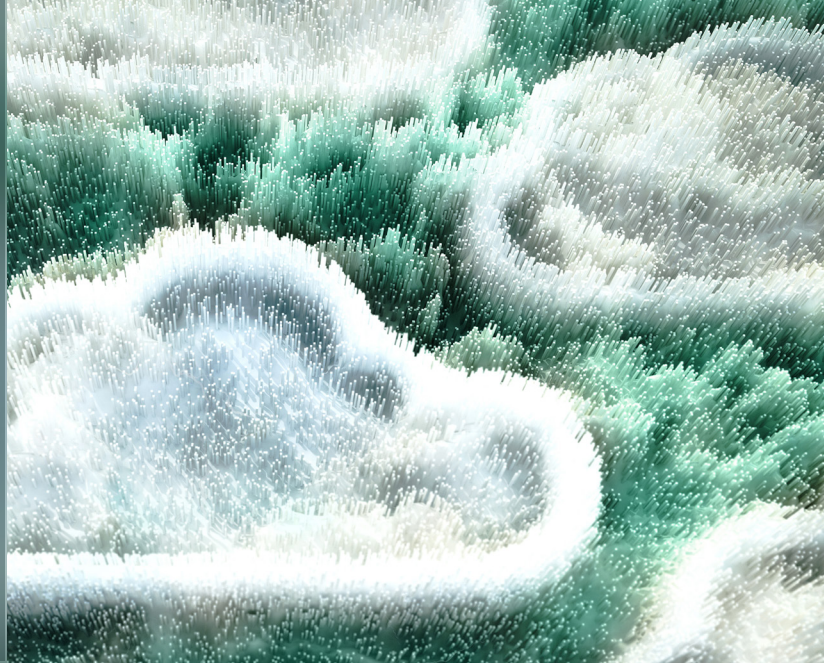
- Faster resolution of high-volume, repetitive support requests across clinical and administrative teams
- AI-powered insights that improve operational efficiency without adding complexity
- Automated processes that free up IT and clinical staff capacity
- AI tools that support clinical judgment rather than competing with it

Unisys solutions and expertise

- AI-powered service desk and virtual agents
- Knowledge curation and intelligent self-service
- Predictive analytics and data-driven insights
- Intelligent process automation and workflow optimization
- Responsible AI frameworks and governance

05

Cloud and application modernization



Modernizing applications and infrastructure in HCLS is rarely straightforward. Regulatory requirements, operational continuity, and decades of existing investment all shape what's possible and at what pace. The organizations that get it right build a modernization path that works with what they have, moves at a speed the business can absorb, and keeps operations stable at every step.

Unisys designs cloud migration and application modernization approaches built around your existing environment, including the regulatory requirements and data governance standards that HCLS organizations must maintain throughout any transition. Working alongside partners like AWS and Microsoft, we prioritize the highest-impact opportunities first and deliver modernization that builds momentum without putting operations at risk.

The possibilities for your business

- Greater application flexibility and stronger infrastructure performance
- Clear visibility into cloud costs and usage across your environment
- A modernization path that protects existing investments while creating room to scale
- Cloud infrastructure that supports the data demands of modern HCLS workloads

Unisys solutions and expertise

- Cloud migration and modernization
- Application development, transformation, and integration
- Cloud financial analysis and optimization
- Infrastructure modernization and optimization
- Data platform modernization

When a **global health and security services firm** operating across **80+** countries needed to modernize its data infrastructure, Unisys deployed a next-generation data ingestion platform on AWS — achieving a **98%** improvement in data quality, ingesting **45** million employee data points, and delivering full HIPAA compliance and 100% adherence to data privacy and security requirements in under four months.

Serious about healthcare and life sciences. Serious about results.

HCLS demands a technology partner with the expertise, global scale, and long-term commitment to deliver consistently across some of the most complex, regulated environments in the world. Here's what sets Unisys apart.

Domain knowledge that's part of our DNA

Unisys brings a level of institutional knowledge that newer entrants cannot match. That depth spans peer-reviewed research on quantum computing in precision medicine and the enterprise computing platforms that keep mission-critical clinical and research operations running. We understand the science behind the operations and the infrastructure that supports them.

Security built in from the start

Unisys designs security into every solution from day one. From Zero Trust architecture and identity management to post-quantum cryptography readiness, we help you protect what matters most.

Outcome-driven managed services

Every engagement is designed for the long term. Our managed services model prioritizes continuous improvement, measurable results, and a partnership that deepens over time.

A partner ecosystem that extends your capabilities

Unisys works alongside the technology partners HCLS organizations already trust, including AWS, Microsoft, and Dell, bringing together best-in-class platforms and deep enterprise expertise to deliver integrated solutions that go further.

Champions in collaboration

DELL Technologies
servicenow
Microsoft
aws

Let's talk about what's next for your organization

Your priorities are unique. Unisys is ready to help you act on them. Let's start a conversation about where your greatest opportunities lie and how we can help you move forward.

Visit unisys.com or contact us to take the next step.

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