

Solution Profile

Transform your Healthcare for Improved Patient Outcomes and Operational Efficiency

Enable Artificial Intelligence (AI), Data Insights, Cyber Resilience, and Hybrid Cloud



Enhance Patient Outcomes - Optimize Care Processes and Operations

Leverage AI to transform medical research, patient care, and operational efficiencies.

Extract Insights that Improve Healthcare

Improve patient experiences and outcomes by understanding vast amounts of disparate data.

Protect Against Ransomware and Ensure Compliance

Safeguard Protected Health Information (PHI) to protect sensitive patient and organization data.

Scale and Pool Data Everywhere with One Platform

Minimize expenses by paying only for resources consumed wherever data is located.

Hitachi Vantara's data storage and infrastructure solutions modernize and transform healthcare by increasing innovation, revealing new insights, securing sensitive patient data and optimizing operational efficiency.

Accelerate AI adoption to unlock new opportunities and automate processes to help reduce costs. Harness the power of validated solutions that deliver results more quickly and efficiently across the healthcare ecosystem. Providers use our solutions to help improve care, analyze symptoms, predict prognoses, and improve outcomes. Payers and insurers use our solutions to help optimize operations, control expenses, ensure compliance, and safeguard data.

Leverage the Hitachi Vantara Virtual Storage Platform One (VSP One) unified data platform to improve data integration. Unify data siloes and simplify anytime, anywhere access to healthcare under a single hybrid cloud platform. Realize unprecedented data integration to increase process efficiency, streamline workflows, and improve patient outcomes.

Safeguard the sensitive information by protecting against bad actors and cyber attacks – especially ransomware – with robust, unbreakable cyber resiliency solutions that provide the world's fastest recovery. Our healthcare solutions help maintain compliance with the Health Insurance Portability and Accountability Act (HIPAA), the General Data Protection Regulation (GDPR), and other security and privacy mandates.

Adopt hybrid cloud infrastructure and interoperability. Address IT systems total cost of ownership and leverage observability and AIOps with consumption-based data services. Share access to healthcare information while preserving data sovereignty, security, and privacy anywhere in the world. Leverage hybrid cloud approach to rapidly pool, scale and access data resources while paying only for resources consumed by healthcare databases, applications, and users.

Accelerate AI Adoption

Use Generative AI to better understand patient records and diagnose symptoms faster, impacting patient lifespan and quality of life.

Increase Data Insights

Simplify access to healthcare information, regardless of location, by unifying data siloes under a single platform for improved analysis and discoveries.

Maximize Cyber Resiliency

Safeguard organization and patient information against unauthorized access, including built-in ransomware protection and recovery, dramatically reducing risk and exposure.

Optimize with Hybrid Cloud

Increase infrastructure scalability, sharing, and utilization and pay only for consumed resources while preserving advanced access control, comprehensive security, and data protection.

Increasing Healthcare Innovation and Agility

The benefits of modernizing healthcare with AI continue to expand. However, missed opportunities for innovation and agility gains restrict operational efficiency, threatening health outcomes and placing protected health information (PHI) at risk.

- Providers and their staff need faster access to growing healthcare data.
- Payers need to seamlessly adapt to ever-changing rules and regulations.
- Insurers need the ability to process complex claims more efficiently.

The Hitachi iQ portfolio integrates infrastructure and capabilities to enable industry-specific AI solutions. Hitachi Content Software for File boosts AI capabilities by providing a high-performance file system optimized for AI workflows. Hitachi Virtual Storage Platform One (VSP One) Object is ideal for handling large-scale, diverse data sets essential for AI applications.

“Working with Hitachi Vantara, we developed a solution that supports innovation and more agile workflows.”

Christian Schöll
Digital Expert, SVD Büromanagement gmbh





Extracting Value from Healthcare Data

Today's healthcare industry needs more insight than traditional data analysis can find. Leveraging Artificial Intelligence (AI) and Generative AI (GenAI) technologies reveal hidden healthcare data for patients, providers, payors, and insurers.

- Patients want convenient access to healthcare information they can understand.
- Medical professionals need to diagnose and treat patients rapidly and accurately.
- Healthcare ecosystems are trying to monetize data and maintain compliance.

Healthcare organizations use Hitachi iQ to provide unified access to data irrespective of where it resides while ensuring explainability, lineage, data accuracy, security, and traceability. They also use the Virtual Storage Platform One (VSP One) Object to enable more effective data analysis and augmentation by automating data lifecycle management, enforcing retention policies, simplifying metadata handling, and supporting advanced access controls.

“Emerging technologies such as AI and automation will play a huge role in the future of healthcare.”

Jake Gully

Digital Operations Manager, Isle of Wight NHS Trust



Safeguarding Against Ransomware Attacks

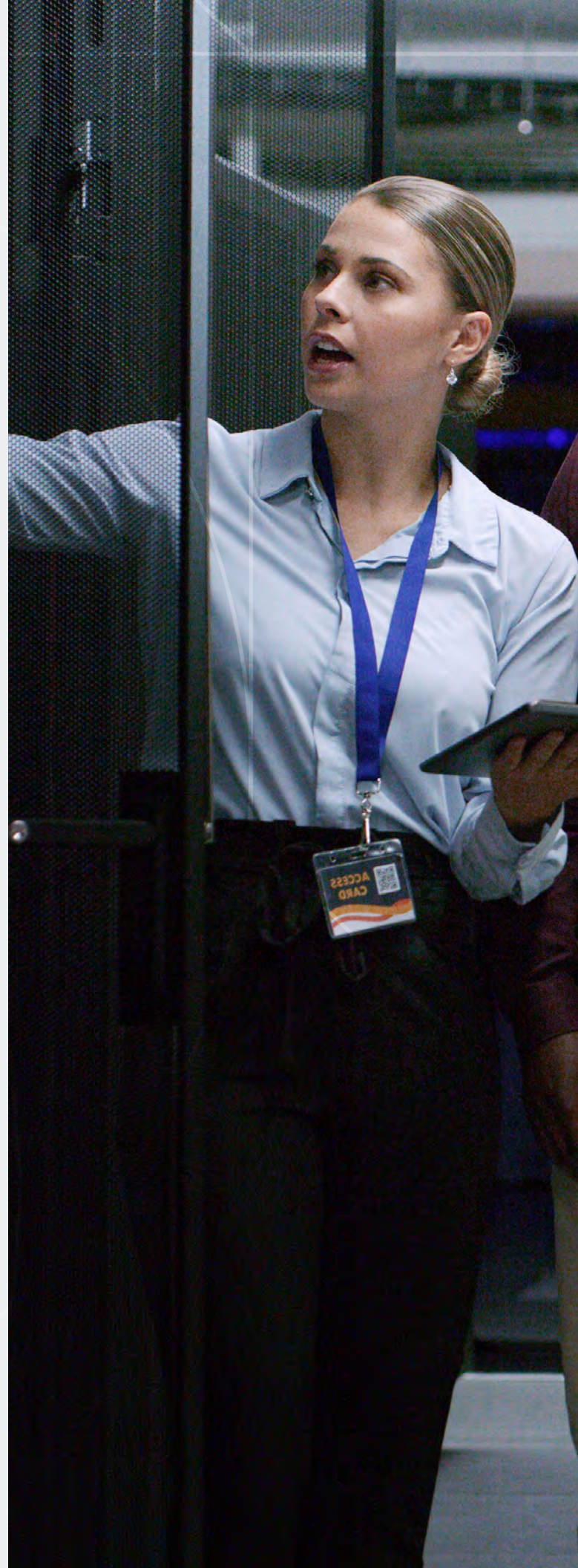
Healthcare organizations maintain very sensitive information in medical records lab reports, including PHI and Personally Identifiable Information (PII). Potential harm to patients extends beyond data theft to include patient safety from compromised medical systems.

- Healthcare systems and data are prime targets of bad actors and malware.
- Ransomware disruptions must be avoided to continue healthcare operations.
- Regulatory compliance requires continuous PHI and PII security and privacy.

Our VSP One storage solutions provide strong cyber resiliency and ransomware protection with immutable storage and snapshots, data encryption, access controls, and proactive ransomware monitoring. HCP Anywhere Enterprise rapidly recovers file systems at scale, returning organizations to normal operations with the most recent version of their data in minutes.

“To ensure our information remains safe, Hitachi Vantara helped us establish the security and encryption we needed for our data warehouse.”

Morgan Baker
IT Director, Vibrant Emotional Health





Balancing Healthcare Expenses and Profits

The healthcare revenue cycle requires continuous optimization to maintain equilibrium. These efforts create conflict between the near-term operational and long-term transformational initiatives required for organizational survival and growth.

- Healthcare systems are incurring significant expenses to remain competitive.
- Hospitals and clinics consume significant capital while maintaining operations.
- Ecosystem partners are striving to implement plans and initiatives profitably.

The Hitachi EverFlex portfolio offers flexible capacity and pay-per-use elastic consumption and subscriptions. It offers an Infrastructure as a Service (IaaS) alternative supporting scale-up or scale-down to optimize efficiency and keep costs down to a minimum and provision infrastructure wherever it's needed, as it's needed.

“We found the solution offered by Hitachi and NxtGen the best as it offered a flexible architecture with almost zero capital investment.”

Jitendra Shrivastava
Senior Manager, IT, Cloudnine Hospitals



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Why Hitachi Vantara

Nine out of ten top healthcare providers rely on Hitachi Vantara. Our data infrastructure and storage solutions empower healthcare organizations to break down data silos, enhance cybersecurity, and seamlessly integrate AI for improved patient care and operational efficiency. Scalable, secure, and compliant data solutions help navigate regulatory challenges, alleviate workforce strains, and drive innovation that could save lives and improve quality of life.

For over 70 years, Hitachi (our parent company) has been a leader in creating revolutionary healthcare and life sciences technologies. The team includes more than 3,000 dedicated experts, consultants, and engineers. This rich history and deep expertise underscore our long-standing commitment to advancing healthcare and life sciences solutions globally.

Next Steps

Explore our solutions to help address the new opportunities and challenges the ever-changing healthcare ecosystem faces. Visit the healthcare solutions page on the Hitachi Vantara website to get started.

[Learn more →](#)

Additional Resources

- See [10 reasons why](#) customers like you have selected Hitachi Vantara to address their healthcare needs.
- Learn more about our industry-leading [AI Solutions](#) to help unlock new opportunities.
- Explore more data for better and faster insights with our blazingly fast [Analytics Solutions](#).
- Secure and protect your sensitive data against ransomware attacks with our [Cyber Resiliency Solutions](#).
- Transform your [Hybrid Cloud](#) ecosystem into the optimal mix of scale, performance and accessibility while streamlining costs to an absolute minimum.

About Hitachi Vantara

Hitachi Vantara is transforming the way data fuels innovation. A wholly owned subsidiary of Hitachi, Ltd., we're the data foundation the world's leading innovators rely on. Through data storage, infrastructure systems, cloud management and digital expertise, we build the foundation for sustainable business growth.



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