

Rapidly Growing Healthcare System

How Altumind Strengthened Cybersecurity, Protected Patient Data, and Improved HIPAA Compliance



Industry:
Healthcare



Solution:
Healthcare Cybersecurity Transformation



About the Client

A rapidly growing healthcare organisation with 200 employees partnered with Altumind to strengthen Cybersecurity, protect patient data, and improve HIPAA compliance amid rising cyber threats and ransomware attacks.

Tools and Technologies

- Managed Detection and Response (MDR)
- Zero Trust Security Framework
- Identity and Access Management (IAM)
- Data Encryption and Data Loss Prevention (DLP)
- Security Awareness and Staff Training Programmes

Quick Facts



95% Staff Training Completion Rate



Zero Reportable PHI Breaches Post-Deployment



HIPAA Audit Passed with No Material Findings

Engagement Model

Co-managed Cybersecurity engagement with 24/7 monitoring, proactive threat mitigation, compliance support, and employee Cybersecurity awareness initiatives.

Challenges: Rising Threats in a High-Stakes Environment

Increasing phishing attacks and ransomware threats, combined with multiple data breaches compromising patient confidentiality, put the organisation under significant regulatory and reputational pressure.

Limited internal IT resources and a lack of Cybersecurity expertise left the team unable to respond effectively. Low employee awareness around best practices created a persistent human-error risk, while growing HIPAA compliance gaps demanded urgent attention.



Solution: A Co-managed Cybersecurity Transformation

Recognising these challenges, Altumind's team deployed a comprehensive, healthcare-specific Cybersecurity programme combining continuous monitoring, data protection, and staff enablement.

Key Enhancements:

- 24/7 MDR deployed for continuous threat monitoring and rapid response.
- Zero Trust Security Framework implemented across all systems and users.
- IAM enforced with role-based access controls for patient data and clinical systems.
- Data Encryption and DLP deployed to safeguard patient health information (PHI).
- Security Awareness and Staff Training delivered across all 200 employees.
- HIPAA compliance readiness established through policy alignment and audit preparation.



Implementation: Putting Patients and Data First

Altumind delivered the engagement through four focused phases designed to strengthen security while maintaining uninterrupted clinical operations.

Assessment and Risk Prioritization

HIPAA requirements and applicable healthcare regulations were reviewed, followed by identification of critical business assets, including EHR systems, medical devices, telemedicine platforms, and patient data repositories. A security assessment was conducted to identify and prioritize the organization's most significant risks.

Framework and Policy Alignment

Using the NIST Cybersecurity Framework as the foundation, Altumind established security policies covering access control, incident response, data protection, and compliance governance.

Control Implementation

Priority controls were deployed, including IAM, endpoint security, data encryption, DLP, and a 24/7 SIEM and MDR capability for continuous monitoring and threat response.

Awareness and Readiness

Organization-wide security awareness training strengthened phishing resilience, secure data handling practices, and incident reporting readiness.

Results: A More Secure, HIPAA-Ready Organisation

The co-managed Cybersecurity programme delivered by Altumind produced strong, measurable outcomes. Patient data was fully protected with no reportable PHI breaches recorded following deployment. The organisation passed its HIPAA internal audit with no material findings, a first in the organisation's history.

Staff completed the security awareness programme at a 95% completion rate, with awareness scores rising markedly across clinical and administrative teams. Overall security posture, operational resilience, and patient trust were all measurably strengthened.

Testimonial

Altumind gave us the Cybersecurity foundation we needed to grow with confidence. Patient data protection is no longer a concern we lose sleep over, and our HIPAA readiness has never been stronger.

— Chief Technology Officer,
Rapidly Growing Healthcare System



Here's Why Altumind is a Perfect Fit for You Too

- Comprehensive Cybersecurity solutions spanning MDR, Zero Trust, IAM, DLP, and compliance management.
- Deep expertise in healthcare Cybersecurity, HIPAA compliance, and patient data protection.
- Co-managed engagement model that extends your internal team without adding headcount.
- Security awareness programs that drive real behavioral change across clinical and administrative staff.
- Expert-led implementation and 24/7 post-deployment SOC support for continuous protection.

Key Transformative Solutions Delivered by Altumind

- Strengthened Cybersecurity resilience across clinical and administrative operations.
- Reduced exposure to ransomware, phishing, and unauthorized access threats.
- Improved PHI protection through stronger data governance and security controls.
- Enabled faster threat detection and incident response with continuous monitoring.
- Established a scalable, HIPAA-ready Cybersecurity framework for future growth.
- Increased employee Cybersecurity awareness and reduced human-error risks.
- Extended internal IT capabilities through co-managed Cybersecurity support.
- Strengthened patient trust and overall regulatory readiness.

Accelerate your cybersecurity transformation with expert-led innovation and next-gen technology.

Get Started →

