

CASE STUDY

"At COE Security, we build, operate, and transfer world-class security solutions, empowering businesses with resilience and trust."

Joseph Henderson



CASESTUDY

ENHANCING HIPAA COMPLIANCE & CYBERSECURITY IN HEALTHCARE

COE SECURITY LLC
USA | BRAZIL | UAE | INDIA



Measurable Impact Our Security in Numbers



- 1,500+ Global Engagements
- 95% Client Satisfaction
- 10+ Years of Cybersecurity Excellence
- 15K+ Critical Vulnerabilities Identified
- 1M+ Security Incidents Managed
- \$350M+ Costs Saved
- \$2.5B+ Transactions Secured
- 24/7/365 Threat Monitoring & Response
- Proactive Threat Hunting
- Cutting-Edge Security Technologies
- Dedicated Security Advisors
- Zero-Day Exploit Mitigation
- Incident Response Planning & Execution
- Security Awareness Training
- Customizable Security Solutions

Client Profile

A regional healthcare provider specializing in primary care and outpatient services, serving over 50,000 patients annually.

Challenges Faced

The healthcare provider faced growing concerns over the security of Patient Health Information (PHI) and compliance with HIPAA regulations. With increasing cyber threats targeting healthcare institutions, the organization sought to strengthen its security posture and achieve full HIPAA compliance.

Key challenges included:

- **Data Protection and Access Control:** Ensuring PHI was securely stored and accessible only to authorized personnel.
- **Risk Assessment and Gap Analysis:** Identifying vulnerabilities in existing security policies and infrastructure.
- **Incident Response and Monitoring:** Developing a proactive strategy to detect and respond to potential security breaches.
- **Staff Training and Compliance Culture:** Educating employees on HIPAA regulations and security best practices.

Solution

The healthcare provider partnered with COE Security to enhance its cybersecurity framework and achieve HIPAA compliance through a structured approach

**We're
Hiring!**



Compliance & Regulatory Mastery



- ISO 45001
- HIPAA & HITRUST
- NIST & NIST 800-171
- ISO 27001
- PCI DSS
- CMMC
- CIS Controls
- SOC 2
- CCPA & NYDFS
- EU CRA
- FedRAMP
- GDPR
- UK Cyber Essentials
- Essential Eight - Australia

Risk Assessment & Gap Analysis

- Conducted a comprehensive risk assessment to identify security gaps and vulnerabilities in PHI handling.
- Mapped current policies against HIPAA requirements and provided a detailed action plan for remediation.

Security Implementation & Policy Enhancement

- Implemented multi-factor authentication (MFA) and role-based access controls (RBAC) to limit unauthorized PHI access.
- Upgraded encryption protocols for both stored and transmitted PHI to ensure data confidentiality.
- Strengthened endpoint security, deploying advanced threat detection and anti-malware solutions.

Compliance Training & Awareness

- Conducted HIPAA compliance training sessions for all employees, focusing on data privacy, security policies, and breach response.
- Developed clear security policies and provided step-by-step guidelines on PHI handling and reporting procedures.

**We're
Hiring!**



Our Cybersecurity Arsenal: Beyond Protection- We Build Resilience



- Application Penetration Testing (Thick/Thin)
- Mobile Application Penetration Testing
- API Penetration Testing
- Network Penetration Testing
- Operational Technology Security Testing
- Cloud Penetration Testing
- AI & LLM Security Audit and Pen Testing
- Red Teaming & Social Engineering Services
- Product & Hardware Penetration Testing
- IoT Security
- Security Operations Center Services (24/7)
- Custom Security Services

Incident Response & Continuous Monitoring

- Established a real-time security monitoring system to detect suspicious activities and prevent breaches before they escalate.
- Developed an incident response plan, ensuring quick containment and mitigation of potential security threats.
- Implemented routine internal audits and compliance checks to ensure ongoing adherence to HIPAA regulations.

Certification Audit Support

Through COE Security's expertise, the healthcare provider achieved full HIPAA compliance and significantly improved its cybersecurity framework.

Key outcomes included:

- **Zero Compliance Violations:** Successfully passed multiple audits with no HIPAA violations.
- **Reduced Security Incidents:** A 40% decrease in unauthorized access attempts within the first year.
- **Enhanced Patient Trust:** Increased confidence among patients and stakeholders regarding data privacy.
- **Improved Staff Awareness:** 100% employee participation in compliance training, fostering a culture of security and accountability.

**We're
Hiring!**



Industries We Protect with Cutting-Edge Security



- Financial Services
- Healthcare
- Retail
- E-commerce
- Government
- Cryptocurrency
- Blockchain Technology
- Automotive
- Transportation/Logistics
- Energy & Utilities
- Hospitality/Tourism
- Entertainment/Media
- Manufacturing
- Education
- Telecommunications
- HiTech & Information Technology

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Client Testimonial

COE Security's expertise in HIPAA compliance and cybersecurity transformed our data protection strategy. Their proactive approach ensured we met regulatory requirements while enhancing overall patient trust.

"Peace of mind in a world of cyber threats.
That's what we deliver."

Joseph Henderson

