



Cybersecurity

for Healthcare Institutions

RSI Security provides cyberdefense solutions for healthcare providers, healthcare technology companies, and adjacent organizations that require HIPAA compliance and HITRUST certification. We'll help you rethink and streamline your cybersecurity.

Security Concerns Facing Healthcare Institutions

There were 59.7 million healthcare records breached in 2022, an 18% year-over-year increase from 2021. For the healthcare industry, the wide-scale adoption of cloud technologies and infrastructure has exacerbated concerns surrounding patients' medical and billing information. At RSI Security, we account for all regulations and cyberthreats, including:

HIPAA / HITECH Compliance

Healthcare and adjacent institutions are covered entities who need to safeguard protected health information (PHI) per the HIPAA Privacy and Security Rules. Failure to do so can trigger HIPAA Enforcement, including civil money penalties of up to \$1,785,651 per year, or criminal charges and imprisonment in the worst cases.

HITRUST Certification

Beyond HIPAA, many healthcare institutions need to gain HITRUST Certification. The HITRUST CSF is a robust framework that combines HIPAA protections with controls for PCI DSS, GDPR, and other frameworks into one uniform standard. Its 14 Control Categories and corresponding 156 References ensure optimal security and operational efficiency.

Ransomware Attacks

Implanted malware grants cybercriminals illegitimate access to sensitive information. About 25% of all ransomware attacks in 2022 targeted healthcare organizations, and the average cost of recovery is estimated at \$1.85 million. This is in part because attackers target PHI, which can trigger HIPAA penalties alongside other costs.

Social Engineering

Cybercriminals' social engineering attacks target healthcare organizations' internal staff, attempting to gain access to networks where sensitive patient information is stored. One of the largest recorded breaches in recent years was a phishing attack on MultiPlan, which exposed over 200,000 records. These scams can target anyone in the healthcare ecosystem.

DDoS Attacks

Hackers can threaten extreme financial and operational damage to healthcare institutions and their patients through distributed denial of service (DDoS) attacks. These allow cybercriminals to render healthcare IT systems inoperable or take control of them from a remote location.

Healthcare Data Breaches

A data breach in healthcare happens any time a patient's PHI is accessed in a way that breaks the Privacy or Security Rules. When this occurs, companies must follow the HIPAA Breach Notification Rule and notify impacted parties as soon as possible, or else trigger HIPAA Enforcement.

Cybersecurity Services for Healthcare Institutions



Managed IT and Security

From top-level planning and resource allocation to developing and integrating necessary controls, the expert team at RSI Security can take over as much of your cybersecurity oversight as needed. As a managed security services provider (MSSP) and a virtual Chief Information Security Officer (vCISO), we'll ensure staff and patient data are secure.



Cloud Security Suite

With the rise of integrated cloud solutions, healthcare institutions need to fortify their cloud systems. RSI Security can help with cloud infrastructure through architecture implementation, robust identity and access management, threat monitoring and incident management, and protection against internal and external risks.



Compliance Advisory

RSI Security will facilitate all elements of HIPAA compliance and HITRUST certification. We'll install administrative, physical, and technical controls and monitor all access to PHI, per HIPAA's Security and Privacy Rules. We'll also implement all HITRUST Control Categories and corresponding HITRUST References.



Awareness Training

In 2022, cyberattacks across the healthcare sector rose 38% relative to 2021, the biggest increase in any industry. RSI Security offers robust, flexible security training and educational programming for personnel and third-party vendors. Live-action incident response exercises are especially effective in the face of growing cyberthreats.



Threat Management

RSI Security offers specialized threat and vulnerability management programs for healthcare institutions. These are tailored to the specific risks most prevalent in the industry, including phishing and ransomware. Our team will continuously monitor for irregularities and notify the appropriate stakeholders within your company as we urgently address and mitigate issues.



Penetration Testing

One of the most effective ways to safeguard against cyberthreats is simulating a model attack on your company to study how and where a hacker would access PHI. RSI Security will execute internal, external, and hybrid penetration tests to identify gaps in your infrastructure, then work closely with your team to develop the appropriate solutions and assess your cybersecurity program ROI.



Risk Assessments

The HIPAA Security Rule requires regular risk assessments to maintain the confidentiality, availability, and integrity of PHI. Threats need to be identified and prevented proactively. RSI Security will help your organization strategize and execute assessments and install required safeguards to detect and prevent risks to PHI.



Third Party Risk Management

Covered entities need to account for the security of PHI accessed by their Business Associates, per HIPAA. This requires contractual assurance of security, along with monitoring and mitigation of third-party risks. RSI Security will help you minimize threats across your strategic partners' networks and data environments.

About RSI Security

RSI Security has helped healthcare institutions satisfy compliance requirements and strategize their cybersecurity for over a decade. Our healthcare-focused cyberdefense solutions reduce business risk, protect brand reputation, and offer optimal return on investment. Whether your organization needs to maintain HITRUST Certification or integrate cloud infrastructure, the expert team at RSI Security will identify and implement the customized solutions you require.