

Common Healthcare Cybersecurity Challenges

WHY ARE THERE THREATS?

Development of Generative AI

It boasts the power of rapid learning, capable of crafting specific codes. This technology has emboldened social engineering tactics.

Lowered Barrier of Entry

The emergence of professional cybercrime nexus, including structured networks and “as-a-service” offerings, has provided a haven for online misconduct.

Surge of Cryptocurrency

Cryptocurrencies confer heightened anonymity and diminished traceability, rendering them an attractive vehicle for ransom transactions.

Impact of COVID-19 Pandemic

The pandemic has inadvertently furnished new prospects for a multitude of threat actors. The confluence of ample time and increased accessibility has formed a breeding ground for malicious intentions.

WHY ARE THERE VULNERABILITIES?

Internal & External Factors of Dependency

Hospitals inherently possess vulnerabilities stemming from their reliance on critical in-house services for financial stability and external vendors for essential products.

Thorny Patient Records Access

HIPAA mandates patient access to medical records, necessitating a nuanced equilibrium between heavily locked down records and easy outside access.

Insufficiencies in Endpoint Security

The spectrum of multi-user devices poses another vulnerability. Shared machines can pave the way for compromised credentials.

Vulnerabilities in Software

Plagued by software and data integrity lapses, healthcare facilities contend with vulnerabilities that can be exploited. Mobile apps and telehealth platforms introduce potential risks.

Reactive vs. Proactive Approach

The relentless pace of patient care, often under tight financial margins, can immerse medical facilities in a perpetual state of crisis management.