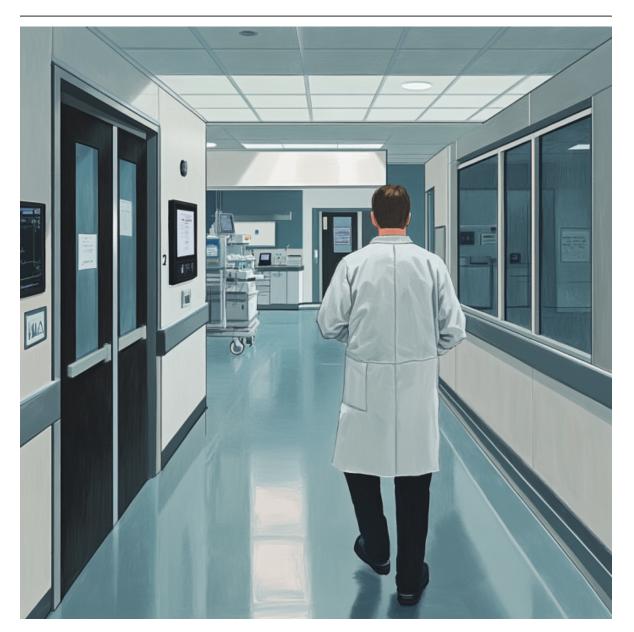
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Defining Cybersecurity in Healthcare

Arash Habibi Lashkari

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With healthcare accounting for 34% of cyberattacks in 2023, the sector is a prime target for cybercriminals exploiting vulnerabilities.

Cybersecurity is a critical lifeline for safeguarding sensitive patient data and ensuring medical systems operate without interruption. As organizations embrace cloud storage and AI, managing risks and reporting incidents becomes even more important. This article explores cybersecurity's role in defending patient information and maintaining trust in healthcare amid evolving threats.

The Necessity of Cybersecurity in Healthcare

Adopting electronic healthcare technology brings opportunities to improve patient outcomes but also introduces security challenges. Healthcare organizations handle sensitive information daily, and increased network connectivity opens new vulnerabilities. Medical devices, now more connected, create numerous entry points for attackers. This makes robust cybersecurity vital to protect patient safety. Continuous monitoring outside clinical environments enhances care but expands attack surfaces, making systems more vulnerable.

The swift adoption of electronic health records, coupled with a lack of cybersecurity expertise and funding, leaves the healthcare sector exposed to cyberattacks. As threats become more sophisticated, organizations must take proactive steps to safeguard their systems.

Applications of Cybersecurity in Healthcare

The healthcare industry handles sensitive and valuable data – think clinical records, financial information, and detailed patient histories. Large organizations often link to critical servers, which can serve as inviting entry points for cybercriminals.

Cybersecurity can be used to meet the following needs:

Data Protection and Privacy: With sensitive patient data being a prime target, strong cybersecurity measures prevent breaches and protect health records while swiftly detecting suspicious activity to....

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Author

Canada Research Chair in Cybersecurity Associate Professor and IEEE Senior Member Founder and director of the Behavior-Centric Cybersecurity Center (BCCC) York University | Toronto, ON, Canada