

Training & Curriculum at the Intersection of Cybersecurity & Healthcare

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Introduction:

- The threat of cyberattacks continues to drive a sense of urgency across hospital systems and providers. According to a study from the Ponemon Institute, 89% of healthcare security officials who participated said that their organizations had experienced 43 cyberattacks, on average, in the past year.
- In addition, more than 20% of the organizations had experienced one or more of the four most common attacks: cloud compromises, ransomware attacks, supply chain disruptions, and business e-mail compromises.
- This increase can be attributed to the data infrastructure, lack of protection standards, the increase in telehealth and medical devices, and more.
- Current reports of medical devices being hacked to run batteries down or even alter their ability to operate illustrate the severity of these attacks, making them a matter of life or death.
- Purpose: To develop engaging and educational content for high school students to introduce them to the importance of medical records and security.