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Prompt:

As the digital world continues to grow, so do the volume, variety, and velocity of cyber threats and attacks. The world is awash in data, and there is always someone trying to turn it into their own virtual currency. Today malware and ransomware are hitting everything from our personal cell phones to mission-critical infrastructure and supply chains.

Your team has been hired by a large hospital system to do an analysis of digital security threat that it may be facing. You are asked to present the current state of threats, various modes of attacks and how should the health system prepare itself?

Current state of threats - Jason:
- 1 in 3 healthcare organizations fell victim to a ransomware attack in 2020
- 1,426 attacks per week in 2022
- Attacks are causing delays in patient care or procedures
- Raises cost for organizations as they need to spend more on data recovery or security
- DoS attacks raise costs due to delaying key services to procedures
- Increases mortality rate/delays procedures

Various modes of Attack (Trevor):
- Ransomware
- Malware
- Phishing/Social Engineering
- Supply chain attacks (important for a hospital)
- IoT (Internet of Things) devices such as the entire internal network

How the health system can prepare - Priya:
- Limit network access
- Establish a security culture
- Controlled Access to Protected healthcare information
- Install and maintain antivirus software
- Protect mobile devices
- Use firewalls
- Plan for the unexpected