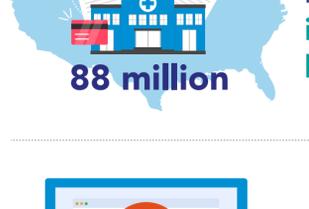


UNMASKING THE STATE OF RANSOMWARE IN HEALTHCARE

The Rise of Ransomware in Healthcare



In 2023, 88 million Americans' **privacy is compromised by healthcare data breaches.**¹



Ransomware attacks take **less than four days to encrypt systems.**²



In 2022, cloud attacks, including phishing, ransomware, and malware, **affected 61% of healthcare respondents.**³



The healthcare sector has been the top target for **ransomware attacks, with around 30% of all such incidents focused on this industry.**⁴



\$125 billion

Between 2020 and 2025 healthcare will allocate **\$125 billion** to prevent data breaches.⁵

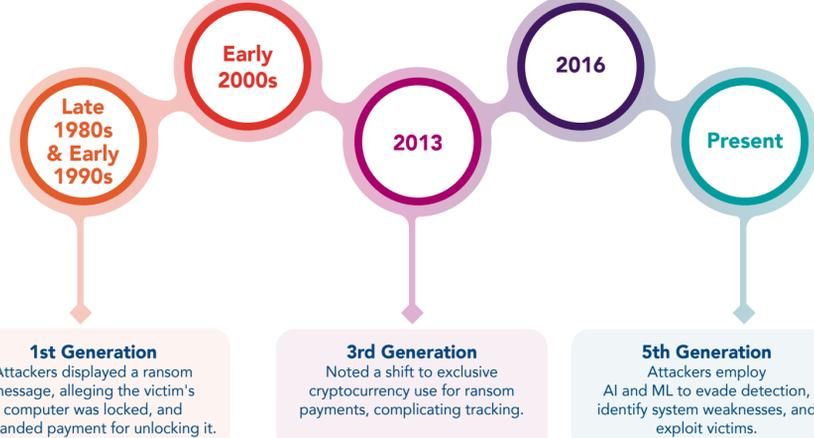
By 2031

Ransomware attacks are expected to cost **\$265 billion** annually worldwide by 2031.⁶



2nd Generation
Attackers employed encryption to lock files, rendering them inaccessible until a ransom was paid.

4th Generation
Attackers employ advanced encryption, rendering file decryption without ransom payment nearly impossible.



1st Generation
Attackers displayed a ransom message, alleging the victim's computer was locked, and demanded payment for unlocking it.

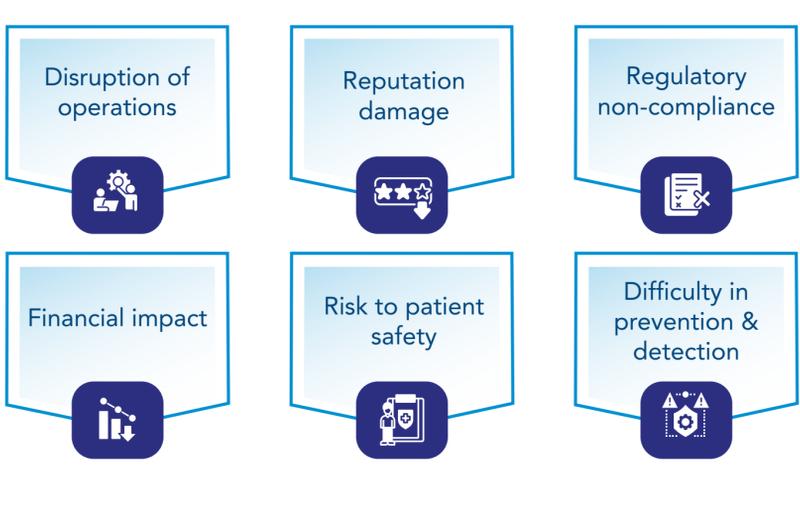
3rd Generation
Noted a shift to exclusive cryptocurrency use for ransom payments, complicating tracking.

5th Generation
Attackers employ AI and ML to evade detection, identify system weaknesses, and exploit victims.

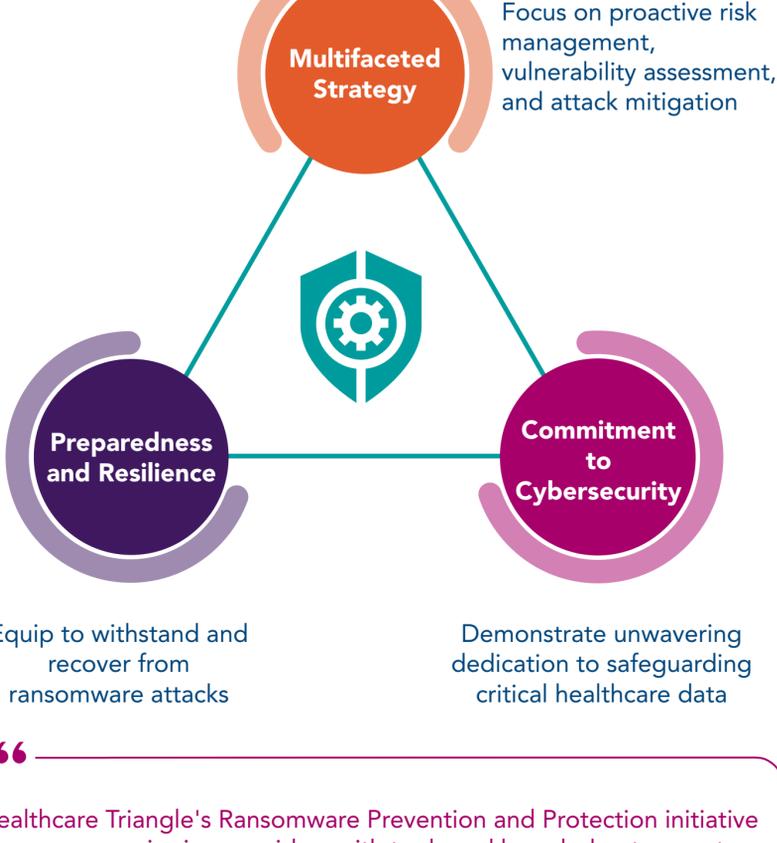
Recent Ransomware Attacks in Healthcare

- Hackers steal social security numbers, birth dates and more on CalPERS, CalSTRS retirees
- HCA Healthcare discloses data breach affecting as many as 11 million patients
- Rhysida claims ransomware attack on Prospect Medical, threatens to sell data
- CommonSpirit Health Ransomware Attack Leads to \$150M in Losses To Date

Challenges of Ransomware in Healthcare



HCTI Ransomware Prevention & Protection Solution



Healthcare Triangle's Ransomware Prevention and Protection initiative focuses on equipping providers with tools and knowledge to counter ransomware, ensuring secure and efficient healthcare systems.

– Lena Kannappan, Co founder, Head of Business and Strategic Partnerships, Healthcare Triangle.

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