Cybersecurity

TUOLUMNE-CALAVERAS
HEALTH CARE & SAFETY COALITION

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What is Cybersecurity?

- "Cybersecurity is the body of technologies, processes, & practices designed to protect networks, computers, programs, & data from attack, damage, or unauthorized access" (CDC, 2016, p. 1).

- "Planning for a breach in or attack on an organization's cybersecurity is becoming an increasingly important topic and challenge for healthcare organizations & hospitals that rely heavily on technology for disease prevention & emergency response as well as for support & improvement of patient care" (CDC, 2016, p.1).

The Problem

- Systems can be hacked to steal or manipulate patients' financial or medical records, & then used for criminal activity
- Other risks include:
  - Loss of patient information
  - Disruption of care because of software unavailability
  - Loss of confidence in providers
  - Power outages & destruction of generators
  - Risks to the operational integrity of personal medical devices

Examples

Hackers' Ransom Attack On California Hospital More Proof Healthcare Cybersecurity Is Floundering

By Jeff Stone @JeffStone500
02/17/16 AT 7:45 AM

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Hollywood Presbyterian Medical Center is the target on an ongoing cyberattack that has limited doctors' ability to access patient records.   (Photo: Wikicommons)

L.A. NOW   LOCAL

2 more Southland hospitals attacked by hackers using ransomware

By RICHARD WINTON   MAR 22, 2016 | 5:51 PM

Healthcare IT News

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Privacy & Security

Ransomware: See the 14 hospitals attacked so far in 2016

By Jessica Davis | October 05, 2016 | 12:13 PM

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Improving Your Cybersecurity

- "Ensuring cybersecurity requires coordinated efforts throughout an IT system" (CDC, 2016).

- Practice general cyber hygiene
  - Create strong, unique passwords
  - Do not click on links or open attachments from unknown senders

- Practice redundancy
  - Maintain backup copies of important information

Resources

- US-CERT (United States Computer Emergency Readiness Team) website

- Handouts

  - Northern California Regional Intelligence Center – "Cybersecurity for Healthcare Providers"

  - Health Care IT Advisory Board – "When a Breach Occurs, the Whole Hospital is Our Patient"

  - U.S. Department of Health and Human Services, Office for Civil Rights – "A Quick-Response Checklist"

  - Allied for Health – "Health Care Cybersecurity At a Glance"