CYBER THREATS IN HEALTHCARE

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AGENDA

- Are you a target for criminal organizations or foreign intelligence services?
- Compliance and Security
- Common traits of a breach
- The C-suite – how to make them aware of the threats
- What you can do today to prepare
WHY?

- Why would the Chinese government or a transnational organized crime group want MY PHI?

ARE YOU A TARGET?

- The healthcare Industry is...
- Cybercriminals targeted healthcare at a higher rate than other sectors in 2015. -IBM
- 113 Million records compromised in 2015 - OCR
- Ransomware attacks to quadruple in 2016 - Healthcare IT News
- Healthcare 4.5x more likely to be hit by ransomware than other industries - Websense
- Estimated ransomware downtime cost $7900/minute per incident - Ponemon Institute
HEALTHCARE HEADLINES

Ransomware takes Hollywood hospital offline. $3.6M demanded by attackers

Despite the headlines, nobody expects to be a victim

When the bad guys get your PHI, the FBI doesn't get it back

The chances of law enforcement putting cyber criminals in jail are very low

90% of all data breaches and cyber crime could have been easily prevented

UNFORTUNATE FACTS
COMPLIANCE VS. SECURITY

- HIPAA compliant
  - Anthem - 78 million records
  - Blue Cross - 11 million
- PCI (Payment Card Industry) compliant
  - Target - 40 million credit card numbers
  - Home Depot - 50 million credit card numbers and email addresses

COMMON BREACH TRAITS

- Phishing
- Social engineering
- Malware
- Stolen credentials
- Lack of strong authentication controls
  - ‘Two-factor’
QUESTIONS FOR YOU

- Are we investing more in cyber security today or less?
- Are the breaches getting larger or smaller?
- Are breaches happening more often or less?
- Are the costs going up or down?

C-SUITE UNDERSTANDING

- Have a strong risk management program
- Communicate specific business risks and potential costs
- Share the headlines
- Call in the FBI
- 3rd party assessment of program maturity
TAKE ACTION TODAY

- Identify your critical assets and assess risk
- Test your backups and restores
- Create an incident response plan
- Implement two factor authentication
- Block emails from unnecessary countries
- Awareness and education