

CYBER THREATS IN HEALTHCARE

Scott Augenbaum - Special Agent, FBI

Bart Lane - Information Security Director, HCA

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?

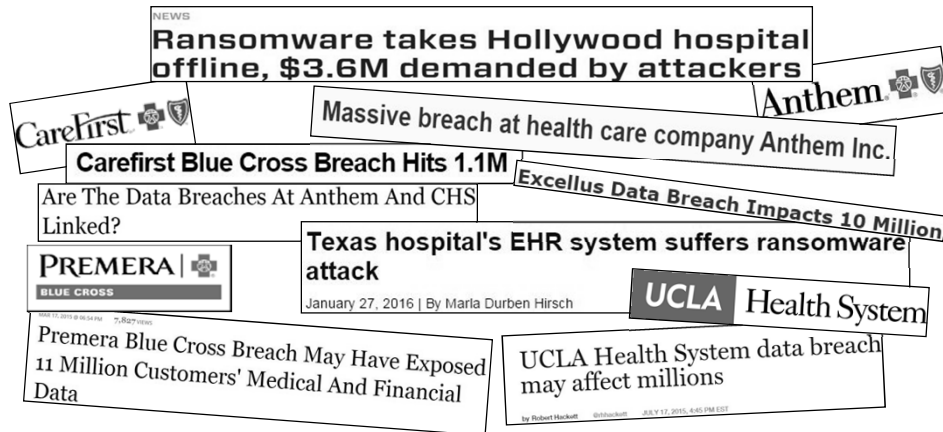


ARE YOU A TARGET?

- 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



UNFORTUNATE FACTS

- 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

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

