HIPAA Security in a World of Cybersecurity Risk

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Cyber Risk =

Potential for Loss

Cyber Risk =

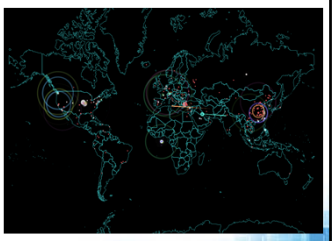
Threat + Vulnerability

*Infosec Institute

Threats

"Anything that can exploit a vulnerability, intentionally or accidentally"

- Threat Actors
- Malware
- Insiders/Users
- Phishing



Vulnerabilities

"Weaknesses or gaps in security"

- Inadequate/Non-Existent Security Training
- Poor User Account Management
- Unpatched Software and Operating Systems
- Legacy, Atrophied Functionality

Cyber Risk =

Threat + Vulnerability

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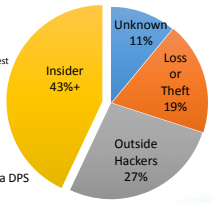
Threat Stats

"Anything that can exploit a vulnerability, intentionally or accidentally"

- Threat Actors: $1.5T in 2017 - RSA
- Malware: 350,000 New Programs Daily - AVTest
- Insiders/Users: 43% to 70% - *Protenus*
- Phishing: 156M Phishing Emails Daily – Canada DPS



+Protenus/DataBreaches.net - 2016 Breach Barometer Report

Cyber Risk =

Threat + Vulnerability

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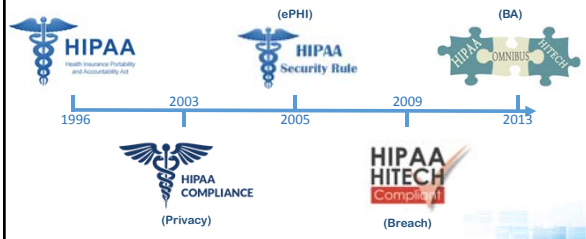
Vulnerabilities - NCPH

"Weaknesses or gaps in security"

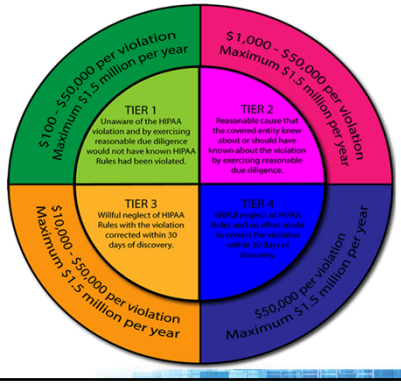
- Inadequate/Non-Existent Security Training
- Poor User Account Management
- Over-Privileged Users
- Weak Password and Log-Out Enforcement
- Insufficient Inventory of ePHI
- Mobile Devices and Surplus Hardware

The Real Risk…

HIPAA and the Security Rule



HIPAA Violation Penalties



*HIPAA Journal

The Lesson

Control the User!

Why Periodic Assessments?

- Required – Administrative Standard 164.308(a)(1)(i)
- Measures control effectiveness
- Documents progress on the Management Plan
- Identifies new risks
- Prepares for additional hardening
  - Internal/External Pen Tests
  - Wireless Test
  - Onsite Social Engineering
- Prepares for expansion to other departments

Thank You!

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