

## Cyber Attacks: Global & Sophisticated

The 27th National HIPAA Summit



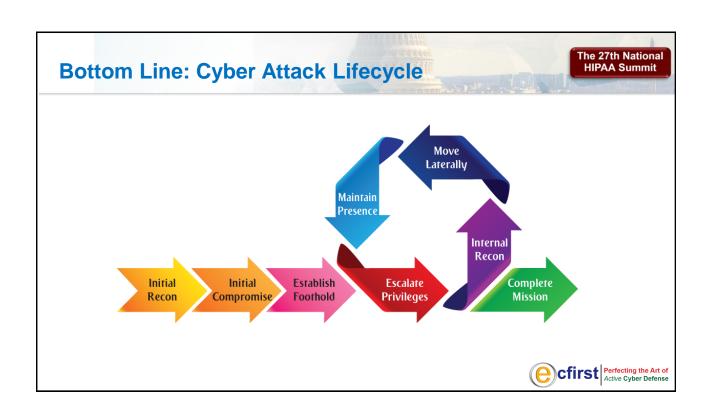






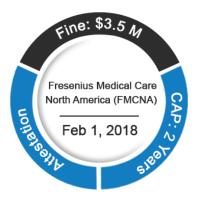
- Use common SQL injection, spear phishing & sophisticated malware to gain initial access
- Next, used privilege escalation exploits to compromise additional systems & move deeper inside the compromised firm
- How robust is your patch management?
- · Perform annual comprehensive risk assessments?
- Conduct quarterly vulnerability assessments?
- Completed a Business Impact Analysis (BIA)?





#### **HIPAA Fines**

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#### Multiple breaches. Lack of risk analysis.

- ☐ Failed to conduct an accurate and thorough risk analysis to the CIA of ePHI.
- Impermissibly disclosed the ePHI of patients by providing unauthorized access for a purpose not permitted by the Privacy Rule.
- ☐ Failed to implement policies and procedures to address security incidents & to safeguard their facilities and equipment.
- ☐ Failed to implement encryption.



**Cost of Breaches: Nine Figure Risk!** 

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Over \$25 M







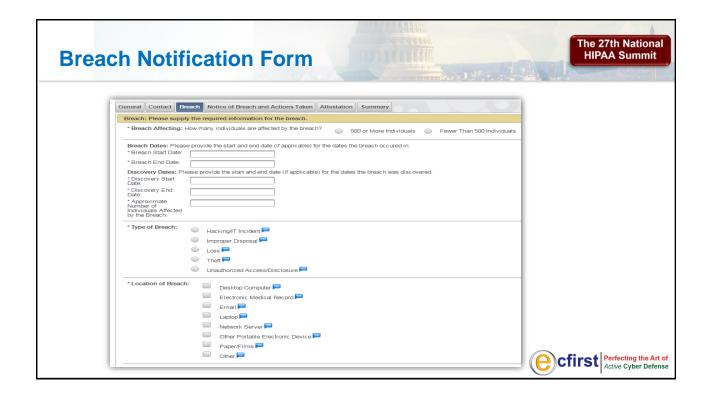
\$115 M

















## **Checklist for Risk Assessment**

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#	Area	STATUS		
		YES	NO	Comments
1	Document Regulations (Federal, State) & Standards That Business is Mandated to Comply (Privacy, Security) With			
2	Assess Policies (Privacy, Security)			
3	Assess Procedures (IT, Security)			
4	Review Asset Management Process & Documents			
5	Review Vendor (Business Associate) Agreements			
6	Assess Deployed Security Controls			
7	Identify Missing Security Controls			
8	Assess State of Encryption Implementation			
9	Review Cloud Security for Deployed Apps & PII/EPHI			

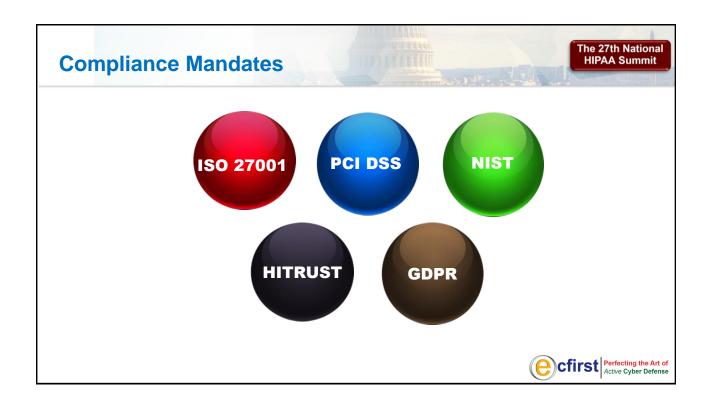


### Checklist for Risk Assessment (Cont'd...)

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#	Area	STATUS		Comments
		YES	NO	Comments
10	Conduct Technical Vulnerability Assessment (External, Internal)			
11	Conduct Wireless Assessment			
12	Review Firewall Architecture & Configuration			
13	Review Mission Critical Applications & Their Security			
14	Assess Requirements for Penetration Testing			
15	Evaluate Risk Management Program			
16	Assess Quality/Depth of Security Awareness Training			
17	Review Information Security Skill Capabilities			
18	Assess Executive Priority/Reporting Structure for Security & Compliance			





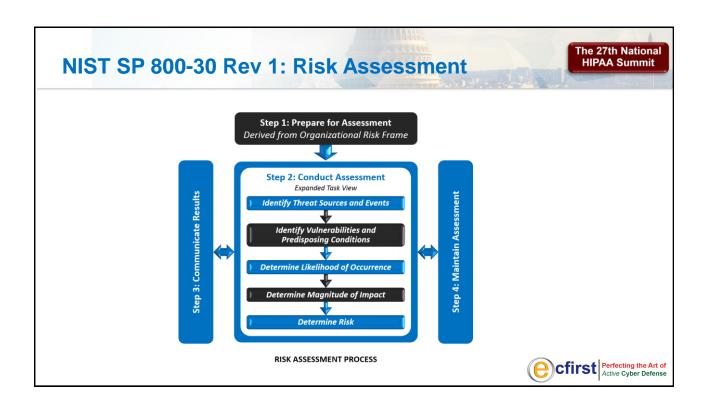


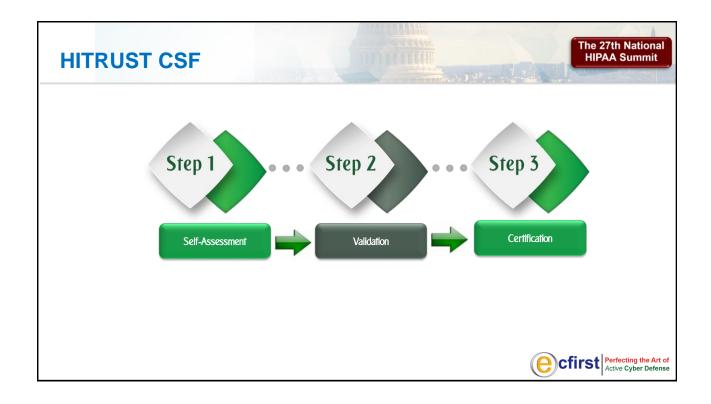
# PCI DSS: Important Reference

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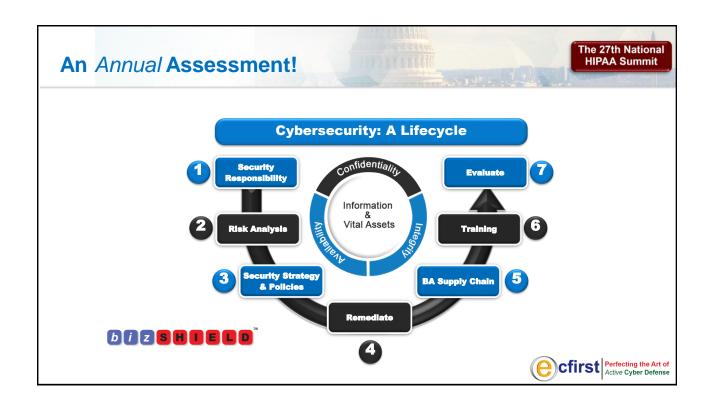
PCI DSS Requirements	Testing Procedures
<b>12.1</b> Establish, publish, maintain, & disseminate a security policy that accomplishes the following:	<b>12.1</b> Examine the information security policy & verify that the policy is published & disseminated to all relevant personnel (including vendors & business partners).
12.1.1 Addresses all PCI DSS requirements.	12.1.1 Verify that the policy addresses all PCI DSS requirements.
12.2 Includes an annual process that identifies threats, & vulnerabilities, & results in a formal risk assessment.  (Examples of risk assessment methodologies include but are not limited to OCTAVE, ISO 27005 & NIST SP 800-30).	12.2.a Verify that an annual risk assessment process is documented that identifies threats, vulnerabilities, & results in a formal risk assessment.





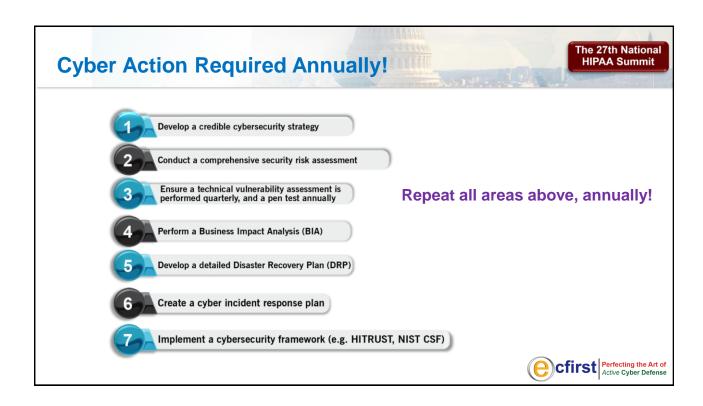












### **Certification Training**

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**Certified HIPAA Professional** 

May 22 – 23, 2018 Washington, DC



Certified Security Compliance Specialist™ May 24 – 25, 2018 Washington, DC



Certified Cyber Security Architect<sup>SM</sup>



HITRUST Cybersecurity Strategy Workshop



PCI DSS Cybersecurity Workshop ISO 27001 & 27799 1-Day Workshop



## **HITRUST Strategy Workshop**

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In this fast-paced, fact based HITRUST Cybersecurity workshop you will:

- · Learn the process for HITRUST CSF Certification
- Examine about the regulations you can include in one report to save you time, money and resources
- Determine your specific risks as it relates to HITRUST CSF Certification
- · Scope sample assessments in-class
- Meet the MY CSF Tool used for HITRUST from Self-Assessment to Certification
- Include your entire team to determine if you are ready for this step or when you should add HITRUST to your project plan
- Includes full set of HITRUST Policy Template (one per company) \$1,495 value
- · Delivered by ecfirst, Authorized HITRUST CSF Assessor

June 7, 2018 Schaumburg (Chicago), Illinois

