

The Twenty- Sixth National HIPAA Summit

HIPAA Summit Day II ***Morning Plenary Session: HIPAA Security***

March 30, 2017

John Parmigiani
Summit Co-Chair
President

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Agenda

- Some Important and Emerging HIPAA Security Areas of Concern
- The Featured Speakers and their Topics

Important and Emerging HIPAA Security Areas of Concern

- *IoT*
 - Over 100,000 and growing – unsanctioned devices and applications (Shadow IT)
 - Experts predict that by 2020 there will be 4.3 Internet-connected devices for every man, woman, and child on the planet. Research firm Gartner Inc. is forecasting that 8.4 billion connected things will be in use worldwide in 2017, up 31% from 2016, and will reach 20.8 billion by 2020.
 - Smartphones, watches, and cars, and connected appliances and entertainment systems; connected meters and pumps, pipeline monitors, manufacturing floors, and automated industrial control systems; medical devices – patient monitoring and maintenance

Important and Emerging HIPAA Security Areas of Concern

- *IoT...*
 - Wearable device market valued at \$2B in 2016 to triple in value by 2021
 - A new wearable tech company, Recovery Force, just got FDA clearance to market its new Active Compressions IoT device. Basically, an intelligent device that helps prevent blood clots and improves poor blood circulation - no hoses, no motors, no pumps, no noise, and no power cords. This same organization already has other technologies addressing key needs of endurance athletes, consumer pain, and even elite war fighters who need to recovery faster.

Important and Emerging HIPAA Security Areas of Concern

- *IoT*
 - The cyberattack vector will range from IoT devices, to physical security threats – like drones
 - Secure messaging for clinicians
 - Will be a powerful tool for healthcare but will need strong security safeguards
 - This is the future of healthcare – with devices which are smaller, smarter, and a lot more useful. The big point here is to identify the types of devices you're using, and even work to forecast other devices you plan on bringing into your ecosystem.
 - Need to know user habits, how they'll use the IoT tool, and where there are gaps in the process. Once you understand user interaction, you can design around security.

Important and Emerging HIPAA Security Areas of Concern

- *The Cloud*
 - Movement to - by 2020, according to Forbes, 92% of workloads will be processed by cloud data centers, while only 8% will continue to be processed by traditional data centers.
 - Types: Public / Private / Hybrid
 - Major players: Amazon, Microsoft, Google
 - Big Data / Use of Analytics for data aggregation and harmonization – furtherance of precision medicine
 - Efficiently and effectively sharing and storing data
 - Security is a major technical driver and obstacle

Important and Emerging HIPAA Security Areas of Concern

- *Breaches escalating and becoming more focused*
 - 27+ M healthcare records in 2016; as of March 14 of this year, there have been over 740,000 records in healthcare exposed.
 - Ransomware (officially a “breach” as of 8/2016 – OCR Guidance)
 - DDOS attacks
 - Social media intrusions
 - Use of malware to launch attacks
 - Healthcare data is where the \$\$ is
 - Weak links – BAs, suppliers, third parties

Important and Emerging HIPAA Security Areas of Concern

- *Enforcement*
 - Continuing settlements emphasizing shortfalls in or lack of required safeguards
 - Risk analysis; risk management; policies/procedures/processes; training
 - Lack of audit trails (Memorial Healthcare Systems - \$5.5 M)

Our Speakers and their Topics...

- **Ali Pabrai:** *IoT + DDoS = Disruptive Risk. Prepared?*
- **Rick Kam & Adam Greene:** *HIPAA Breach Response: Breach Notification and Crisis Management*
- **Hudson Harris:** *Championing a Culture of Privacy and security: From Ambivalence to Buy In*
- **Yvonne Walters: Business Associates – Do You Have Written Assurances in all the Right Places?**
- ***Break : 10:15 – 10:45 am***
- **Lisa Acevedo & David Holtzman:** *Let the Buyer Beware! Ransomware and Other Cybersecurity Threats Create Peril in High Stakes Health Care M&A Transactions*

Our Speakers and their Topics...

- **Jerry Smith: Privacy and Security:** *Which One Comes First or How Do I Talk to My Information Security Group about Getting Privacy into the Conversation?*

Our Speakers and their Topics

- *Healthcare Chief Security Officer Best Practices Roundtable*
 - **Bob Chaput**, CISSP, HCISPP, CRISC, CIPP/US
Chief Executive Officer, Clearwater Compliance; Former Vice President, Technology Operations, GE Information Services, Nashville, TN
 - **Shreehari Desikan**, MBA
Founder and Chief Executive Officer, dataphilic.io; Former Program Manager, Privacy, Motorola, San Francisco, CA
 - **Jerry Smith**, CISSP, CISM, CRISC, CCSK, CIPT, CPHIMS
Senior Information Security and Privacy Analyst, University of Utah Health Sciences, Salt Lake City, UT
 - **Sheetal Sood**, CHC, CIPP, CISSP, CISA, CRISC, GSEC, MCSE
Senior Executive Compliance Officer, Information Governance, NYC Health + Hospitals, Former Chief Privacy Officer and IT Audit Manager, New York City Housing Authority, New York, NY
 - **John C. Parmigiani**, President, John C. Parmigiani & Associates, LLC; former Director of Enterprise Standards, HCFA (CMS), Ellicott City, MD

Networking luncheon: 12:30 – 1:30 pm

Thank You !

Any questions before we begin?

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