Electronic Medical Records (EMRs)

In-Depth Seminars Track – D2

Session I	**"Electronic Medical Records – A Foundation for Health Reform"** *Betsy L. Thompson, MD, DrPH* *Chief Medical Officer* *Centers for Medicare and Medicaid Services, Region 9*	
Session II	**"Risks and Opportunities in EMR Technology"** *Shanit Gupta* *Director of Information Security* *Practice Fusion*	
Sessions III & IV	**"The Latest Developments in Electronic Health Records (EHR) Security, Privacy and Meaningful Use"** *Russell Jones* *Partner* *Deloitte & Touche LLP*	

Session Abstract

The in-depth Electronic Medical/Health Record seminar will comprise of the following sessions:

Electronic Medical Records – A Foundation for Health Reform
CMS is committed to transforming from a passive payer of services to an active purchaser of value. The agency has already conducted a number of value-based purchasing demonstrations and has several new value-based initiatives under way in multiple different health care settings. Electronic health information is a core component of this transformation – a foundational building block for real health reform. This session will help you understand why CMS has embraced this strategy, how value will drive many important payment changes over the coming years, and the role of electronic health information in this transformation, as well as help you prepare for these changes.

Risks and Opportunities in EMR Technology
Healthcare is the last sector in the US to go through a technology transformation. Today, 80% of US doctors still rely on paper medical records. But that's changing fast thanks to a national health IT initiative promoting Electronic Medical Records (EMR).

In this session, Information Security expert Shanit Gupta, covers issues with traditional EMR systems and how new technology, cloud computing and gamification are rapidly changing the medical landscape. With this massive shift to electronic records also come questions about standards, HIPAA, clinical research and information security. How do we balance the life-saving benefits of EMR technology with the need for patient privacy?

The Latest Developments in Electronic Health Records (EHR) Security, Privacy and Meaningful Use
Recent legislation and financial incentives are fueling the rapid adoption of Electronic Health Records (EHR) and they're moving EHR data toward common standards. For individual patients, efficient and effective care becomes easier and safer when patient information can be readily shared between various healthcare entities. With quick and complete access to important information such as blood type, prescribed drugs, medical conditions and other aspects of our medical history, doctors can provide us with more comprehensive and high-quality care. EHR data, in aggregate, allows researchers and clinicians to design and utilize the data and reporting formats tailored to their specific needs, organizing and displaying that data in various ways to assist in the improvement of medicines and treatment options.

However, there are numerous risks that accompany all those benefits. EHR data availability and integrity can literally impact life-and-death decisions. Patient privacy and security are also important to patients, as this is very personal and sensitive information. This session will focus on the following:
- Provide an overview of the Omnibus HIPAA Rule and HITECH acts (and how they are influencing the adoption of EHRs)
- Provide recent data breach statistics,
- Discuss cyber threats and enforcement trends
- Discuss lessons learned from the field related to Meaningful Use Core Measure 14 and 15
- Give an overview of other healthcare-related privacy and security hot button issues

- Discuss the impacts to management (including risks),
- Discuss strategies to address them (including processes and controls), and
- Provide suggested audit strategies

Target Audience

This session is intended for the following participants:
- IT Auditors
- Privacy Professionals
- Information Security Professionals
- Health IT Professionals
- Compliance Professionals
- Healthcare Industry Professionals
- Meaningful Use PMO Leader
- Electronic Health Record (EHR) system owner

COBIT Objectives

This session will address the following COBIT 5 Enablers:
- Principles, Policies and Frameworks
- Information
- Services, Infrastructure and Applications

Speaker Bio

Dr. Betsy Thompson

Dr. Thompson is the Chief Medical Officer for the Centers for Medicare and Medicaid Services (CMS) Regional Office in San Francisco. In that position, Dr. Thompson serves as the chief CMS clinician for Region IX and as the principal liaison with professional organizations in the region with respect to quality improvement, health information technology, and health reform.

Dr. Thompson has considerable experience in multiple facets of the health field. Dr. Thompson spent 10 years with CDC where she helped develop agency relationships with health plans and employers and worked with these new partners to improve the delivery of high-quality, cost-effective care. Dr. Thompson came to CMS after serving as Chief Medical Director of a non-profit health plan in rural Colorado. In that position, she worked closely with network physicians and facilities to foster quality improvement efforts. In 2009, Dr. Thompson was instrumental in getting Colorado state legislation passed to provide first dollar coverage for the most cost-effective preventive services. Throughout her career, Dr. Thompson has been an active member of many state, regional, and national committees focused on improving the quality of health care. Dr. Thompson is board-certified in Internal Medicine and Preventive Medicine. She also holds a doctorate in Health Policy from the University of Michigan.

Shanit Gupta

Shanit Gupta is Director of Information Security at Practice Fusion, the fastest growing EHR community in the US. Practice Fusion's cloud-based EHR is used by over 150,000 medical professional users to serve 40 million patients. Shanit manages Practice Fusion's information security, guaranteeing the safety of sensitive information and the security of key systems. He oversees the security of the IT infrastructure and the software platform while ensuring adherence to state and federal policies and compliances.

Shanit has a strong background in computer science and security. He is an expert in developing and scaling robust security frameworks for young and established companies, and has extensive experience counseling and speaking at security conferences. Previously, Shanit worked for McAfee and VMware, where he guided the implementation of security requirements from product design to code reviews and security testing.

Russell Jones

Russell has over 20 years of experience working with health plans, health care providers, biopharma, medical device manufacturer and public sector clients in the development and implementation of information security, data privacy and data protection programs.   Included in this experience is security risk assessments and design of security solutions related to electronic health record (EHR) systems.

Russell is Deloitte's leader for the HITRUST Common Security Framework (CSF) CSF Assessor program. Russell also has been published numerous times in periodicals such as the *ISACA Journal*, The Journal of Healthcare Information Management (JHIM), *Information Security Magazine*, *Health Data Management* and *ISC²Information Systems Security Journal*.

Russell is a Certified Information Systems Auditor (CISA), Certified Information Systems Security Professional (CISSP), a Certified Information Privacy Professional (CIPP), and Certified Public Accountant (CPA).