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ELECTRONIC HEALTH RECORD
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Presentation Summaries

February 13, 2017



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Presentations

- 1) Mitigating Interoperability Issues in a Clinical Setting Requires Continuous Processes, *Mario Hyland, AEGIS.net*
- 2) Playing with FHIR at Intermountain Healthcare, *Stanley Huff MD, Intermountain Healthcare*
- 3) The Use of Blockchain to Develop Patient-Centered Outcome Measures, *Jason Goldwater, National Quality Forum*
- 4) Xcertia – A New Step Towards Patient Generated Data Quality, *Robert Havasy, HIMSS North America*

Mitigating Interoperability Issues in a Clinical Setting Requires Continuous Processes

Mario Hyland, AEGIS.net

- Emphasize the importance of continuous testing in interoperability.
- FHIR is an integrated ecosystem that also has standard testing built-in.
- Continuous interoperability can be achieved in part by continuous testing.
- “Before you build it, know how you will test it”

Playing with FHIR at Intermountain Healthcare

Stanley Huff MD

- FHIR is a technical specification that has unprecedented support from EHR vendors; a community of implementers, a culture
- Progress:
 - In use – Pediatric growth chart, pediatric drug card, BP Centiles
 - In development – HIE viewer, Pulmonary Embolus diagnosis and management
 - Future – Community Acquired Pneumonia, Sepsis protocol
 - University of Utah collaborations – ONC Challenge and High Impact Grants – Neonatal bilirubin and Surgery transition apps

The Use of a Blockchain to Foster the Development and Use of Patient-Reported Outcome Measures (PROMs)

Jason C. Goldwater, MA, MPA Senior Director National Quality Forum

- Blockchain began with BITCOIN and is being applied to other industries.
 - A digital ledger that isn't stored in any single location, keeping records public and easily verifiable, and bringing everyone to the highest degree of accountability.
- The use of blockchain provides an ability to collect data from multiple sources, including the Internet of Things (IoT), which gives an opportunity to develop highly specific patient-reported outcome measures that have a direct connection to the patient.
- Because transactions on the blockchain, such as sending data to a provider from a smartphone application, must be independently verified and authorized by both the provider and patient, it provides a more secure foundation to exchange and use data.
- Blockchain also offers the ability to record and send hundreds of data points per day, which opens up the possibility of creating dynamic patient-centered outcome measures.

Xcertia – Another Step Towards Patient Generated Data Quality

Robert Havasy, MS HIMSS North America

- A collaborative effort that will create best practices ensuring the safety, quality, and effectiveness of mobile health applications.
- Guidelines, reviewed and updated annually, will focus on the development and improvement of the safety and effectiveness of mobile health apps.
- Will include quality of clinical content, usability, privacy and security, interoperability, and what constitutes evidence of clinical and economic value.

“The collaboration builds on each organization’s ongoing efforts to foster safe, effective, and reputable health technologies, while complementing our mutual commitment to advancing innovation in medicine, and improving the health of the nation. Our combined expertise, along with a diverse membership, will leverage the insights of clinicians, patients, and industry experts to help improve patient care and increase access to data.”

