

RCC54

IHE on FHIR

Thursday, Nov. 29 2:30PM - 4:00PM Room: S501ABC

IN

AMA PRA Category 1 Credits™: 1.50

ARRT Category A+ Credit: 1.75

Participants

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LEARNING OBJECTIVES

1) Learn about HL7 FHIR- Fast Healthcare Interoperability Resources- an emerging standard using RESTful web services. 2) Review IHE- profile' guides for using standards to address clinical use cases and workflows. 3) Discuss how FHIR is being incorporated into IHE. 4) Review some specific IHE Profiles which have integrated FHIR. 5) Discuss the DICOMweb RESTful services and how they relate to FHIR and IHE.

ABSTRACT

RESTful services have become a mainstay of current network-based transaction and communications technologies, often employed in consumer services on the internet. HL7 FHIR is a standard currently in development that uses RESTful services to exchange healthcare data. Over time FHIR is likely to replace legacy versions provided earlier versions of HL7 that are currently widely used. Similarly, DICOM has introduced REST-based services for communicating medical images in its DICOMWeb standards. IHE coordinates the use of standards to provide interoperable solutions that improve communication and workflow. IHE uses HL7, DICOM and other standards in its profiles. We will review the current work to incorporate FHIR in IHE profiles replacing legacy standards where appropriate and introducing new capabilities. We will discuss specific use cases and standards, some from the domain of Radiology but also some from other healthcare domains. Interoperability has become a major focus of the worldwide HIT community and the intelligent incorporation of RESTful services in the standards we use daily is of paramount importance in delivering the highest quality of healthcare services in a cost-effective and robust manner.