IHE IT Infrastructure (ITI) Domain

Daniel Berezeanu
Today’s host

Daniel Berezeanu
Ready Computing
IT Planning co-chair
Technical Committee member
Agenda

What we’ll cover:

• IT Infrastructure Overview
  – ITI’s families of profiles
  – What’s new this year?
• How to participate in IHE
  – IHE International Membership
  – Planning & Technical Committees
• High-level Connectathon overview
• Q&A
Agenda

Not covered today:

• Details about other domains
• How to Participate & Development Cycle
• Details about North American Connectathon 2019 and HIMSS Interoperability Showcase Webinar
• Other webinars are coming! See http://www.ihe.net/Webinars/
IT Infrastructure Domain Focus

- **IT Infrastructure concentrates on:**
  - Document Sharing
  - Security and Privacy
  - Provider and Patient Identity Services
  - REST-based exchange
  - Workflow Management
  - Other Infrastructure and whitepapers
Document Sharing

Profiles for sharing documents within a community:
• XDS.b – Cross-Enterprise Document Sharing
• XDR – Cross-Enterprise Reliable Interchange
• XDM – Cross-Enterprise sharing Exchange Media
• XDS-SD – Scanned Documents
• MHD – Mobile access to Health Documents

Profiles for sharing documents between communities:
• XCA – Cross-Community Document Sharing
• XCF – Cross Community Fetch
• XCDR - Cross-Community Document Reliable Interchange
Enhancements for document sharing:

- MPQ – Multi-patient Query
- DSUB – Document Metadata Subscription
- Delayed Document Assembly
- Metadata Update

**NEW for 2018 - 2019**

- Restricted Metadata Update (RMU) Profile
- Asynchronous AS4 Option

New Technical Framework Supplements:

- Document Sharing Metadata Handbook
Security & Privacy

- ATNA – Audit Trail and Node Authentication
- BPPC – Basic Patient Privacy Consents
- XUA – Cross-Enterprise User Assertion
- EUA – Enterprise User Authentication
- DEN – Document Encryption
- SeR - Secure Retrieve
- DSG – Document Digital Signature

Still New from 2017

APPC – Advanced Patient Privacy Consent
REST-based Exchange

- IUA – Internet User Authorization
- RID – Retrieve Information for Display

HL7 FHIR® DSTU3 based:
- PIXm - Patient Identifier Cross-Reference for Mobile
- mACM - Mobile Alert Communication Management
- RESTful query for ATNA
- MHD – Mobile Access to Health Documents
- PDQm – Patient Demographic Query for Mobile
Workflow Management

• XDW – Cross Enterprise Document Workflow
• RFD – Retrieve Form for Data Capture

Other Infrastructure

• CT – Consistent Time (NTP)
• PSA – Patient Synchronized Applications (CCOW)
• SVS – Sharing Value Sets
• Other handbooks & whitepapers available on http://ihe.net/technical_frameworks/#IT

For a quick tutorial on how to read and navigate IHE technical frameworks, watch the first webinar on this page: https://gazelle.ihe.net/training
Upcoming Webinars

- How to Participate & Development Cycle
- Document Sharing
- MHD (XDS-on-FHIR)
- mXDE (MHD + QEDm)
- AS4
- Connectathon High Level Overview
ITI is Global

Sponsors:
• Health Information Management Systems Society (HIMSS) www.himss.org
• ASIP Santé- http://esante.gouv.fr

Committee participation includes:
• Austria, Belgium, Canada, France, Germany, Italy, Japan, South Africa, United States, Netherlands