Mobile access to Health Documents (MHD)

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Mobile access to Health Documents (MHD)

• Provide FHIR based methods of publishing and accessing Document Sharing
• Enable publication of Documents by Apps
• Enable Discovery of available documents by Apps
• Retrieval of the Document content
• XDS on FHIR

• Details [https://wiki.ihe.net/index.php/MHD](https://wiki.ihe.net/index.php/MHD)

• Superset alignment with US Core – DocumentReference
  • All these requirements are consistent with MHD, they are a subset of MHD requirements
Mobile is not exclusive to Mobile

• Many IHE Profiles use “Mobile” as an indicator of use of FHIR
• Prime reason is to differentiate these from classic equivalent Profile
  • XDS vs MHD
• Secondary reason is to indicate use-case need is for lower more tool accessible technology
• Does NOT mean they are exclusive to Mobile applications
MHD as API to XDS
MHD as API to XCA

XDS Document Registry

XDS Document Repository

XCA Responding Gateway

XCA Initiating Gateway

MHD Document Responder

MHD Document Consumer
Support Profiles

• PDQm, PIXm – Patient lookup
• IUA – an Oauth profile complementary to SMART-on-FHIR
• ATNA – secure http specification, and AuditEvent specification
• mCSD – Directory of Provider, Organization, and Health Services
Provide Document Bundle Transaction (Publication request)

- **Publish**
  - Used mostly with XDS Reg/Rep
  - to publish new documents, or
  - replace old documents with new

- **Push**
  - Used to send documents
Query Transactions – simply normal FHIR queries

DocumentReference
- Patient – required parameter
- classCode, practiceSetting, timeframe, ...
- Others

DocumentManifest
- Patient – required parameter
- classCode, practiceSetting, timeframe, ...
- recipient
Conformance Resources (STU3)

- IHE MHD Implementation Guide
- FormatCode CodeSystem
- FormatCode ValueSet
- Actor Capability Statements
  - MHD Document Source Actor
  - MHD Document Recipient Actor
  - MHD Document Responder Actor
  - MHD Document Consumer Actor

Structure Definitions
- Document Manifest
- List (Folder)
- DocumentReference from Query with Comprehensive Metadata
- DocumentReference from Query with Minimal Metadata
- DocumentReference in Provide with Comprehensive Metadata
- DocumentReference in Provide with Minimal Metadata
- MHD Provide Document Bundle with Minimal Metadata (ITI-65)
- MHD Provide Document Bundle with Comprehensive Metadata (ITI-65)

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