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
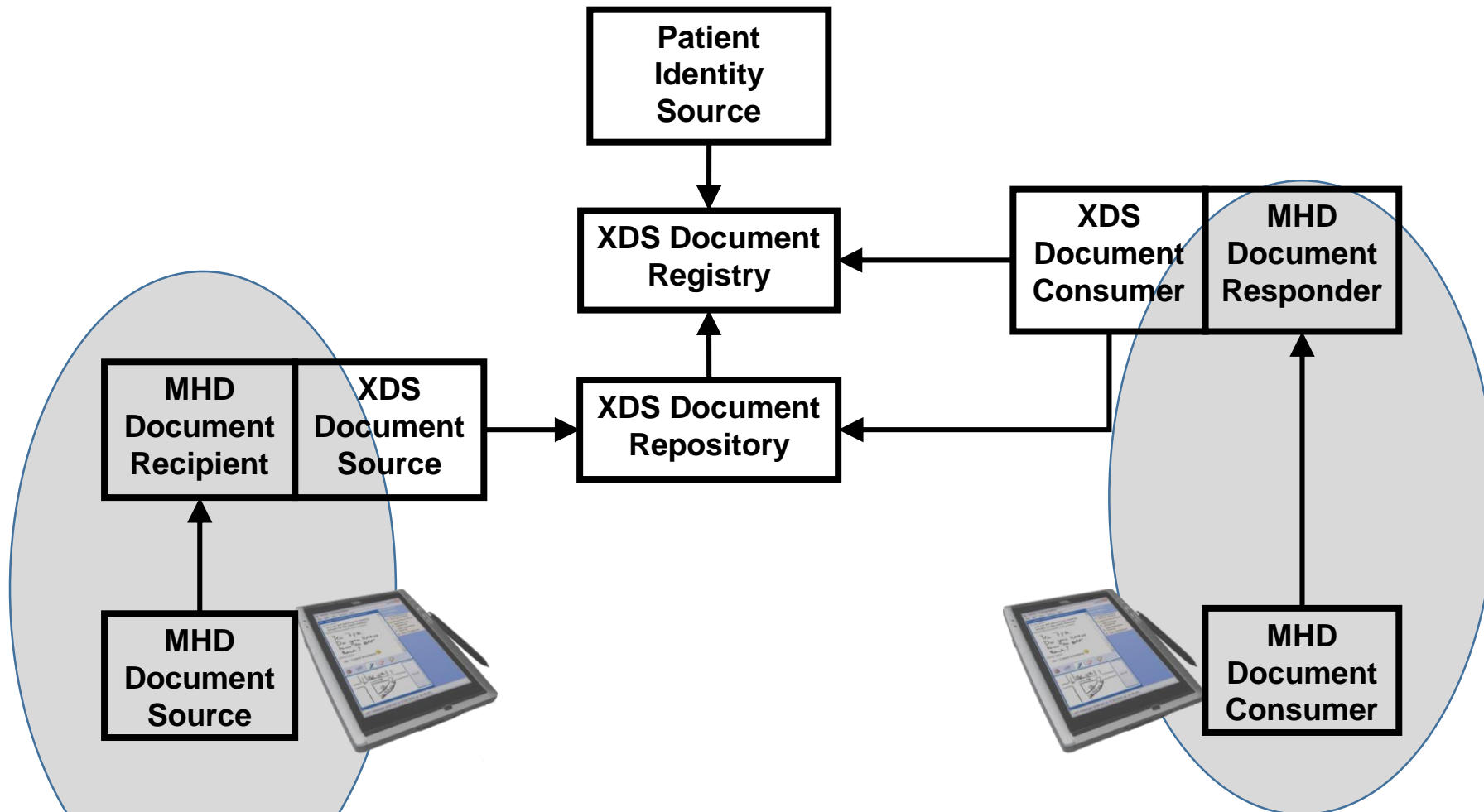- Retrieval of the Document content
- XDS on FHIR

- Details https://wiki.ihe.net/index.php/MHD

- Superset alignment with US Core – DocumentReference
  - http://build.fhir.org/ig/HL7/US-Core/StructureDefinition-us-core-documentreference.html
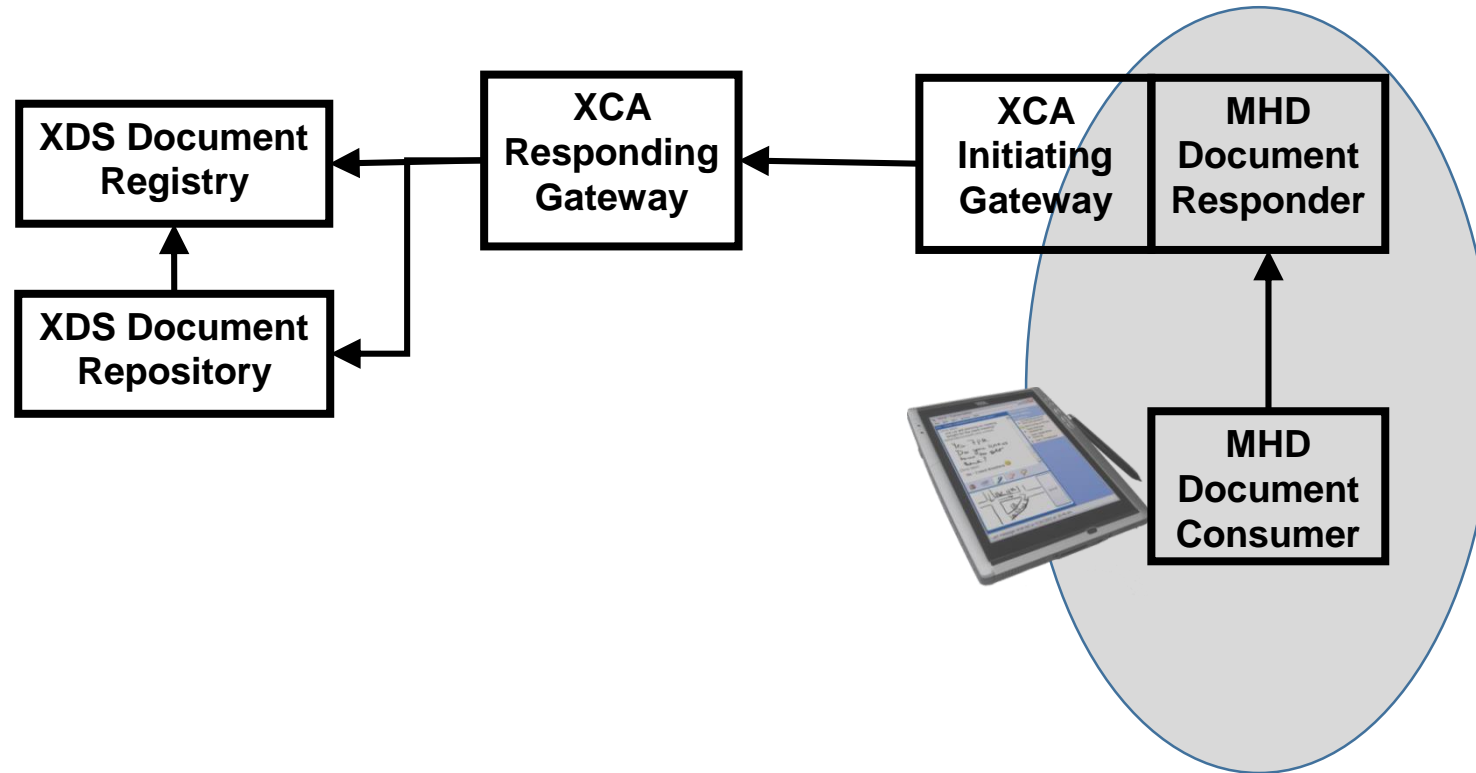 - All these requirements are consistent with MHD, they are a subset of MHD requirements

Mobile is not excusive 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

![IHE Integrating the Healthcare Enterprise]

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

Bundle (Create Transaction)

- DocumentManifest
- DocumentReference
  - Binary
- DocumentReference
  - Binary
- DocumentReference
  - Binary
- List (Folder)
- *Patient*

Query *Transactions* – *simply normal FHIR queries*

DocumentReference

- Patient – required parameter

- classCode, practiceSetting, timeframe, …

- Others

DocumentManifest

- Patient – required parameter

- classCode, practiceSetting, timeframe, …

- recipient

```
Document          →          Document
Responder         →          Consumer
                  →
```

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)

https://wiki.ihe.net/index.php/MHD

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