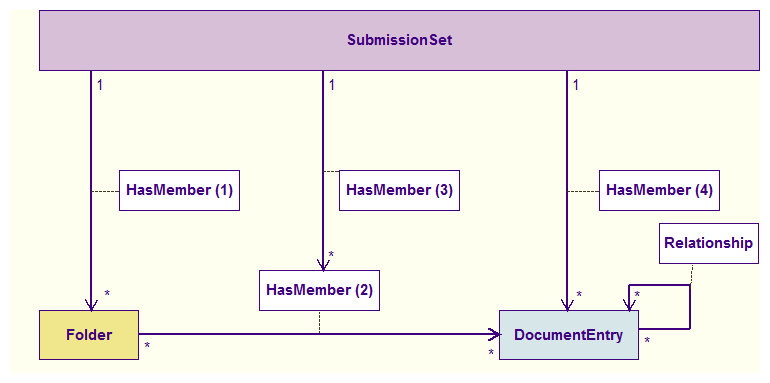
| DocumentEntry Metadata Attribute | Description | Data Type (Table 4.2.3.1.7-2) | FHIR | FHIR |
| --- | --- | --- | --- | --- |
| Author | The humans and/or machines that authored the document. This attribute contains the sub-attributes: authorInstitution, authorPerson, authorRole, authorSpecialty and authorTelecommunication. | See section 4.2.3.2.1 | author , custodian, and/or context | Seems all can be represented, but need for more deterministic mapping to assure consistency.  What is the relationship to context? |
| availabilityStatus | The lifecycle status of the DocumentEntry | Predefined URN | status |  |
| classCode | The code specifying the particular kind of document (e.g., Prescription, Discharge Summary, Report). | Code | Type |  |
| Comments  GG: add a note that this goes in Narrative of DocumentReference | Comments associated with the Document. | String | ???? | should be description but description is defined as title? Should description be 0..\* with the first entry considered the title or should there be a title and description? |
| confidentialityCode | The code specifying the level of confidentiality of the Document. | Code | confidentiality | should become provenance? |
| creationTime | The time the author created the document. Shall have a single value. | DTM | Created |  |
| entryUUID | A globally unique identifier used to identify the entry. | UUID | ??? | in FHIR this is likely just the URL to the resource. Is there a way to pack this into ETag? Will we be forced to carry this in extensions? |
| eventCodeList  GG: align definition a little more + fix definitions or remove context | This list of codes represents the main clinical acts, such as a colonoscopy or an appendectomy, being documented. | Code | ???? |  |
| formatCode | Code globally uniquely specifying the format of the document. | Code | format |  |
| Hash | Hash of the Document itself. | SHA1 hash | Hash |  |
| healthcareFacility TypeCode | This code represents the type of organizational setting of the clinical encounter during which the documented act occurred. | Code | context.facilityType |  |
| homeCommunityId  GG: add to reference a policy domain manager reference | A globally unique identifier for a community. | OID URN | service.parameter | Is this the best place to put this? It seems possible, just not clear |
| languageCode | Specifies the human language of character data in the document. Using codes from IETF [RFC 3066](http://www.ietf.org/rfc/rfc3066.txt) | String | primaryLanguage |  |
| legalAuthenticator | Represents a participant who has legally authenticated or attested the document within the authorInstitution. | XCN | authenticator | Need to make more clear that this is the legal authenticator.  Is this related to provenance? |
| mimeType | MIME type of the document. | MIME type | mimeType |  |
| patientId | The patientId represents the subject of care of the document. | CX | subject.id |  |
| practiceSettingCode | The code specifying the clinical specialty where the act that resulted in the document was performed (e.g., Family Practice, Laboratory, Radiology). | Code | context.code | This doesn’t seem clear |
| referenceIdList  GG: ids or references | A list of identifiers that apply to the document. | CXi | ???? | could this be context???  Seems this is conceptually needed regardless of XDS mapping. |
| repositoryUniqueId | The globally unique identifier of the repository where the document is stored. | OID | service.???? | is this right? |
| serviceStartTime: GG – make document | The start time the service being documented took place. | DTM | context.period | unclear documentation |
| serviceStopTime | The stop time the service being documented took place. | DTM | context.period | unclear documentation |
| Size | Size in bytes of the document. | Integer | Size |  |
| sourcePatientId | The sourcePatientId represents the subject of care medical record Identifier (e.g., Patient Id) in the local patient Identifier Domain of the Document Source. | CX | subject |  |
| sourcePatientInfo | This attribute contains demographic information of the patient to whose medical record this document belongs. | CX | subject |  |
| Title | The title of the document. | UTF-8 | description | should be made more clear this is title rather than description-comment |
| typeCode | The code specifying the precise kind of document (e.g., Pulmonary History and Physical, Discharge Summary, Ultrasound Report). | Code | subtype |  |
| uniqueId | The globally unique identifier assigned by the document creator to this document. | OID | masterIdentifier |  |
| URI | The URI for the document. | URI | location |  |



| SubmissionSet Metadata Attribute | Description | Form | FHIR | FHIR comment |
| --- | --- | --- | --- | --- |
| author | The humans and/or machines that authored the document in the SubmissionSet. This attribute contains the sub-attributes: authorInstitution, authorPerson, authorRole, authorSpecialty. | 4.2.3.3.1 |  |  |
| availabilityStatus | The lifecycle status of the SubmissionSet | Predefined URN |  |  |
| comments | Comments associated with the SubmissionSet. | String |  |  |
| contentTypeCode | The code specifying the type of clinical activity that resulted in placing the documents in this SubmissionSet. | Code |  |  |
| entryUUID | A globally unique identifier used to identify the SubmissionSet. | UUID |  |  |
| homeCommunityId | A globally unique identifier for a community. | OID URN |  |  |
| intendedRecipient | The organization(s) or person(s) for whom the SubmissionSet is intended. | See 4.2.3.3.7 |  |  |
| limitedMetadata | A flag that the associated SubmissionSet was created using the less rigorous metadata requirements as defined for the Metadata-limited Document Source. | 4.2.3.3.13 |  | not likely to be needed as a formal FHIR item |
| patientId | The patientId represents the subject of care whose longitudinal record is being reflected in this SubmissionSet. | CX |  |  |
| sourceId | OID identifying the instance of the creating entity that contributed the SubmissionSet. | OID |  |  |
| submissionTime | Point in time at the creating entity when the SubmissionSet was created. | DTM |  |  |
| title | The title of the SubmissionSet. | UTF-8 |  |  |
| uniqueId | A globally unique identifier for the SubmissionSet assigned by the creating entity. | OID |  |  |

| Folder Metadata Attribute | Description | Form | FHIR | comment |
| --- | --- | --- | --- | --- |
| availabilityStatus | The lifecycle status of the Folder | Predefined URN |  |  |
| codeList | Shall contain the set of codes specifying the type of clinical activities that resulted in placing DocumentEntries in this Folder. | Code |  |  |
| comments | Comments associated with the Folder. | String |  |  |
| entryUUID | This globally unique identifier used to identify the Folder. | UUID |  |  |
| homeCommunityId | A globally unique identifier for a community. | OID URN |  |  |
| lastUpdateTime | Most recent point in time that the Folder has been modified. | DTM |  |  |
| limitedMetadata | A flag that the associated Folder was created using the less rigorous metadata requirements as defined for the Metadata-Limited | 4.2.3.4.10 |  |  |
| patientId | The patientId represents the subject of care of the DocumentEntries within the Folder. | CX |  |  |
| Title | The title of the Folder. | String |  |  |
| uniqueId | Globally unique identifier for the Folder. | OID |  |  |

Queries

FindDocuments & FindDocumentsByReferenceId

| Parameter Name | FHIR – Search Parameters |
| --- | --- |
| $XDSDocumentEntryPatientId | DocumentReference.subject.id |
| [$XDSDocumentEntryReferenceIdList] | ???? |
| $XDSDocumentEntryClassCode1 | DocumentReference.type |
| $XDSDocumentEntryTypeCode1 | DocumentReference.subtype |
| $XDSDocumentEntryPracticeSettingCode1 | DocumentReference.context.code |
| $XDSDocumentEntryCreationTimeFrom | DocumentReference.created |
| $XDSDocumentEntryCreationTimeTo | DocumentReference.created |
| $XDSDocumentEntryServiceStartTimeFrom | DocumentReference.context.period |
| $XDSDocumentEntryServiceStartTimeTo | DocumentReference.context.period |
| $XDSDocumentEntryServiceStopTimeFrom | DocumentReference.context.period |
| $XDSDocumentEntryServiceStopTimeTo | DocumentReference.context.period |
| $XDSDocumentEntryHealthcareFacilityTypeCode1 | DocumentReference.context.facilityType |
| $XDSDocumentEntryEventCodeList1 | ???? |
| $XDSDocumentEntryConfidentialityCode1 | DocumentReference.confidentiality |
| $XDSDocumentEntryAuthorPerson4 | DocumentReference.author |
| $XDSDocumentEntryFormatCode1 | DocumentReference.format |
| $XDSDocumentEntryStatus | DocumentReference.status |

GetAll

| Parameter Name | FHIR |
| --- | --- |
| $patientId | DocumentReference.subject.id |
| $XDSDocumentEntryStatus | DocumentReference.status |
| $XDSSubmissionSetStatus | ??? |
| $XDSFolderStatus | ??? |
| $XDSDocumentEntryFormatCode2 | DocumentReference.format |
| $XDSDocumentEntryConfidentialityCode1, 2 | DocumentReference.confidentiality |

**The following XDS queries are not supported given FHIR schema and query parameters**

FindSubmissionSets – not supported

FindFolders – not supported

GetFolders – not supported

GetAssociations – not supported

GetDocumentsAndAdssociations – not supported

GetSubmissionSets – not supported

GetSubmissionSetsAndContents – not supported

GetFoldersAndContents – not supported

GetFoldersForDocument – not supported

GetRelatedDocuments – not supported