



External Query of Patient Electronic Documents

Overview

The purpose of this document is to define the process for Participating Healthcare Providers (“Participant”) to be able to query CRISP for the retrieval of patient electronic documents such as Continuity of Care Documents (CCDs). All implementations will require participants to pass information to identify patients.

Prerequisites

The CRISP Participant needs the ability to interact with CRISP APIs. Interaction with CRISP will vary depending on the Participant’s EMR.

Point of Contact

CRISP will require a technical Point of Contact (“POC”) at the Participant to work with throughout the onboarding process. This POC will test connectivity and test behavior of the APIs in both TEST and PROD environments.

Certificates

Participants must connect via the CRISP API Gateway to pass a base 64 encoded certificate. Participant should also furnish a public key (a .cer file). The certificates should be different for TEST and PROD environments.

Document Query and Retrieval

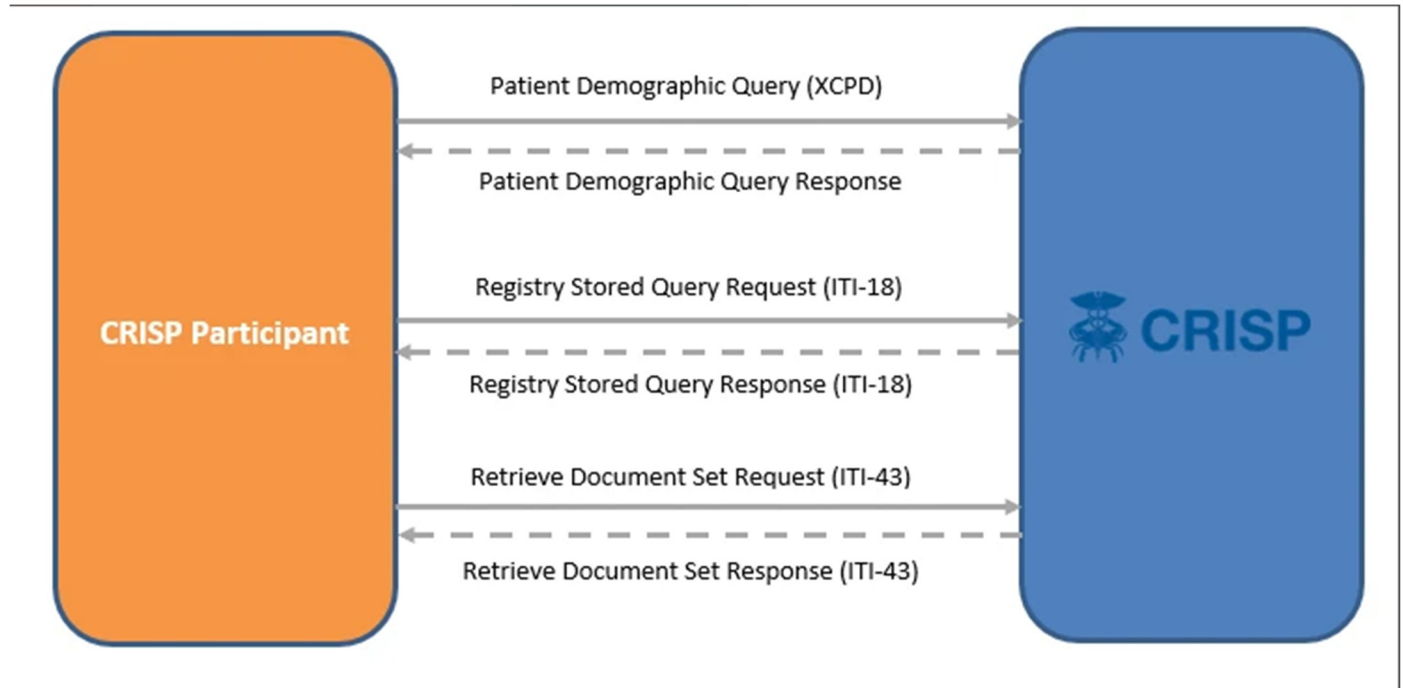
Overview

The CRISP Document Repository stores all electronic documents sent to CRISP. The repository can be queried in one of two ways – patient source/MRN or patient CRISP Enterprise ID (from the CRISP XCPD response) Both XDS.b and XCA queries are supported. CRISP will return a list of documents available from which the participant may select and consume into their EMR or HIS. CRISP does not modify any CCD within its Data Repository.

All transaction request messages *must* contain a From/Address data block element in the soap header. This is for audit tracking purposes.

Workflow

Patient Demographic Query (XCPD) Optional



URL Endpoints

Option 1

An ADT or CCDA feed into CSS is recommended, however if an ADT/CCDA interface is not already established, a patient discovery call is required. Below are the URL endpoints:

TEST

1. <https://testapi.crisphealth.org/xcpd/passthrough> (ITI-55)
2. <https://testapi.crisphealth.org/ccda-federator/list> by CRISP EID (ITI-18 or ITI-38)
3. <https://testapi.crisphealth.org/ccda-federator/document> (ITI-42 or ITI-39)

PROD

1. <https://api.crisphealth.org/xcpd/passthrough> (ITI-55)
2. <https://api.crisphealth.org/ccda-federator/list> by CRISP EID (ITI-18 or ITI-38)
3. <https://api.crisphealth.org/ccda-federator/document> (ITI-42 or ITI-39)

Option 2

The client can query by source and MRN (SMRN) if an ADT/CCDA feed into CSS is already established. Below are the URL endpoints:

TEST

1. <https://testapi.crisphealth.org/ccda-federator/listbysmrn> by S/MRN (ITI-18 or ITI-38)

2. <https://testapi.crisphealth.org/ccda-federator/document> (ITI-42 or ITI-39)

PROD

1. <https://api.crisphealth.org/ccda-federator/listbysmrn> by S/MRN (ITI-18 or ITI-38)
2. <https://api.crisphealth.org/ccda-federator/document> (ITI-42 or ITI-39)

Test Patients

#	Test Patient Name	Gender	Date of Birth	Address
1	Jon Glamstone	M	20000106	111 Messy lane, Rockville, MD 20850
2	Bill Lamont	M	20030110	18963 Bel Air Rd, Rockville, MD 20850
3	Rebecca Bliss	F	19560510	14454 Tilden Rd, Rockville, MD 20850

Example Test Cases

#	Test Case/Test Steps	Expected Result	Actual Result	Pass/Fail
1	Query for Patient CRISPID: 32195216 or 79549723	Receive a list of return documents to view		
2	Patient who has Opted Out CRISPID: 79560309	Message indicating that patient has Opted Out		
3	Patient with 1 Medication CRISPID: 79554897	Receive a list of return documents to view		
4	No Patient Found CRISPID: 11111111	Message of No Patient Found		

Example Transactions

The following example transactions only show the SOAP envelope request and responses for each transaction type. All CRISP APIs can accept messages that are simple soap messages (application/soap+xml) or MTOM encoded (multipart/related).

Patient Demographic Query

Example Request

The example Parameter List is not an exhaustive list of all possible query parameters. For parameters in **green**, please change the sample test patient data to fit your test patients.

```
<s:Envelope xmlns:a="http://www.w3.org/2005/08/addressing" xmlns:s="http://www.w3.org/2003/05/soap-envelope">
  <s:Header>
    <a:Action>urn:hl7-org:v3:PRPA_IN201305UV02:CrossGatewayPatientDiscovery</a:Action>
    <a:MessageID>urn:uuid:af95c20f-6d85-4e62-97b1-3e7a035ea0e4</a:MessageID>
    <a:ReplyTo>
      <a:Address>http://www.w3.org/2005/08/addressing/anonymous</a:Address>
    </a:ReplyTo>
    <a:To>https://testapi.crisphealth.org/xcpd/passthrough</a:To>
    <a:From>
      <a:Address>Sending host</a:Address>
    </a:From>
  </s:Header>
  <s:Body xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
    <PRPA_IN201305UV02 xmlns="urn:hl7-org:v3" ITSVersion="XML_1.0">
      <id extension="195338667" root="1.2.840.114350.1.13.168.2.7.2.696777" />
      <creationTime value="20171003103845-0400" />
      <interactionId extension="PRPA_IN201305UV02" root="2.16.840.1.113883.1.6" />
      <processingCode code="P" />
      <processingModeCode code="T" />
      <acceptAckCode code="NE" />
      <receiver typeCode="RCV">
        <device classCode="DEV" determinerCode="INSTANCE">
          <id root="1.2.840.114350.1.13.168.2.7.2.688879.1000005" />
          <asAgent classCode="AGNT">
            <representedOrganization classCode="ORG" determinerCode="INSTANCE">
              <id root="1000005" />
            </representedOrganization>
          </asAgent>
        </device>
      </receiver>
      <sender typeCode="SND">
        <device classCode="DEV" determinerCode="INSTANCE">
          <id root="1.2.840.114350.1.13.168.2.7.2.688879.28200" />
          <asAgent classCode="AGNT">
            <representedOrganization classCode="ORG" determinerCode="INSTANCE">
              <id root="1.2.840.114350.1.13.168.2.7.3.688884.100" />
            </representedOrganization>
          </asAgent>
        </device>
      </sender>
      <controlActProcess classCode="CACT" moodCode="EVN">
        <code code="PRPA_TE201305UV02" />
        <authorOrPerformer typeCode="AUT">
          <assignedDevice classCode="ASSIGNED">
            <id root="1.2.840.114350.1.13.168.2.7.3.688884.100" />
          </assignedDevice>
        </authorOrPerformer>
        <queryByParameter>
          <queryId root="8f274084-a848-11e7-964d-5905ecedcb2d" />
          <statusCode code="new" />
          <responseModalityCode code="R" />
          <responsePriorityCode code="I" />
        </queryByParameter>
      </controlActProcess>
    </PRPA_IN201305UV02>
  </s:Body>
</s:Envelope>
```

```

    <parameterList>
      <livingSubjectAdministrativeGender>
        <value code="F"/>
        <semanticsText representation="TXT">LivingSubject.administrativeGender</semanticsText>
      </livingSubjectAdministrativeGender>
      <livingSubjectBirthTime>
        <value value="19940103"/>
        <semanticsText representation="TXT">LivingSubject.birthTime</semanticsText>
      </livingSubjectBirthTime>
      <livingSubjectName>
        <value>
          <family>Adt</family>
          <given>Faith</given>
        </value>
        <semanticsText representation="TXT">LivingSubject.name</semanticsText>
      </livingSubjectName>
      <patientAddress>
        <value>
          <streetAddressLine>PO BOX 1994</streetAddressLine>
          <city>MARTINSBURG</city>
          <state>WV</state>
          <postalCode>25403</postalCode>
        </value>
        <semanticsText representation="TXT">Patient.addr</semanticsText>
      </patientAddress>
      <patientTelecom>
        <value use="HP" value="tel:+1-340-264-1000"/>
        <semanticsText representation="TXT">Patient.telecom</semanticsText>
      </patientTelecom>
    </parameterList>
  </queryByParameter>
</controlActProcess>
</PRPA_IN201305UV02>
</s:Body>
</s:Envelope>

```

Example Success

Returns a patient CRISP Enterprise ID (EID) in **green**. The following example uses the CRISP test OID as the root attribute.

```

<Envelope xmlns="http://schemas.xmlsoap.org/soap/envelope/">
  <Header>
    <Action xmlns="http://www.w3.org/2005/08/addressing">CrossGatewayPatientDiscoveryResponse</Action>
    <RelatesTo xmlns="http://www.w3.org/2005/08/addressing">urn:uuid:af95c20f-6d85-4e62-97b1-3e7a035ea0e4</RelatesTo>
  </Header>
  <Body>
    <PRPA_IN201306UV02 ITSVersion="XML_1.0" xmlns="urn:hl7-org:v3">
      <acknowledgement>
        <typeCode code="AA" />
      </acknowledgement>
      <controlActProcess classCode="CACT" moodCode="EVN" />
      <subject typeCode="SUBJ">
        <registrationEvent classCode="REG" moodCode="EVN">
          <statusCode code="active">
            <subject1 typeCode="SBJ">
              <patient classCode="PAT">
                <id assigningAuthorityName="SMPI" root="2.16.840.1.113883.3.651.2.1"
                  extension="31135564" />
              </patient>
            </subject1>
          </statusCode>
        </registrationEvent>
      </subject>
    </PRPA_IN201306UV02>
  </Body>
</Envelope>

```

```

        <statusCode code="active" />
        <patientPerson classCode="PSN" determinerCode="INSTANCE" />
      </patient>
    </subject1>
  </statusCode>
</registrationEvent>
<queryAck>
  <queryId extension="null" root="null" />
  <statusCode code="OK" />
  <queryResponseCode code="OK" />
</queryAck>
</subject>

</PRPA_IN201306UV02>
</Body>
</Envelope>

```

Example Failure

Returns a patient Not Found in **green**.

```

<?xml version="1.0" encoding="utf-8"?>
<Envelope xmlns="http://schemas.xmlsoap.org/soap/envelope/">
  <Header>
    <Action xmlns="http://www.w3.org/2005/08/addressing">CrossGatewayPatientDiscoveryResponse</Action>
    <RelatesTo xmlns="http://www.w3.org/2005/08/addressing">urn:uuid:af95c20f-6d85-4e62-97b1-3e7a035ea0e4</RelatesTo>
  </Header>
  <Body>
    <PRPA_IN201306UV02 ITSVersion="XML_1.0" xmlns="urn:hl7-org:v3">
      <acknowledgement>
        <typeCode code="AA" />
      </acknowledgement>
      <controlActProcess>
        <queryAck>
          <queryId extension="" root="" />
          <statusCode code="NF" />
          <queryResponseCode code="NF" />
        </queryAck>
      </controlActProcess>
    </PRPA_IN201306UV02>
  </Body>
</Envelope>

```

Registry Stored Query (ITI-18)

Example Request

This example sends the patient's CRISP Enterprise ID (EID) and the CRISP OID retrieved from the Patient Demographic Query response using the <https://.../ccda-federator/list> URL.

```

<?xml version='1.0' encoding='UTF-8'?>
<soapenv:Envelope xmlns:soapenv="http://www.w3.org/2003/05/soap-envelope"
  xmlns:wsa="http://www.w3.org/2005/08/addressing">
  <soapenv:Header>
    <wsa:To>https://testapi.crisphealth.org/healthshare/list</wsa:To>
    <wsa:MessageID>urn:uuid:F347E1483350B8D6511198803333967</wsa:MessageID>
    <wsa:Action>urn:ihe:iti:2007:RegistryStoredQuery</wsa:Action>

```

```

<wsa:From>
  <wsa:Address>Sending host</wsa:Address>
</wsa:From>
</soapenv:Header>
<soapenv:Body>
  <ns3:AdhocQueryRequest xmlns:ns2="urn:oasis:names:tc:ebxml-regrep:xsd:rim:3.0" xmlns:ns3="urn:oasis:names:tc:ebxml-regrep:xsd:query:3.0" xmlns:ns4="urn:hl7-org:v3" xmlns:ns5="urn:oasis:names:tc:ebxml-regrep:xsd:rs:3.0"
  xmlns:ns6="urn:oasis:names:tc:ebxml-regrep:xsd:lcm:3.0">
    <ns3:ResponseOption returnComposedObjects="true" returnType="LeafClass"/>
    <ns2:AdhocQuery id="urn:uuid:14d4debf-8f97-4251-9a74-a90016b0af0d">
      <ns2:Slot name="$XDSDocumentEntryPatientId">

        <ns2:ValueList>
          <ns2:Value>'31135564^^^& 2.16.840.1.113883.3.651.2.1&ISO'</ns2:Value>
        </ns2:ValueList>
      </ns2:Slot>
      <ns2:Slot name="$XDSDocumentEntryClassCode">
        <ns2:ValueList>
          <ns2:Value>('34133-9^^2.16.840.1.113883.6.1')</ns2:Value>
        </ns2:ValueList>
      </ns2:Slot>
      <ns2:Slot name="$XDSDocumentEntryType">
        <ns2:ValueList>
          <ns2:Value>('urn:uuid:7edca82f-054d-47f2-a032-9b2a5b5186c1')</ns2:Value>
        </ns2:ValueList>
      </ns2:Slot>
      <ns2:Slot name="$XDSDocumentEntryStatus">
        <ns2:ValueList>
          <ns2:Value>('urn:oasis:names:tc:ebxml-regrep:StatusType:Approved')</ns2:Value>
        </ns2:ValueList>
      </ns2:Slot>
    </ns2:AdhocQuery>
  </ns3:AdhocQueryRequest>
</soapenv:Body>
</soapenv:Envelope>

```

Example Response

The Registry Stored Query Responses return a list of document registry identifiers of documents found given the parameters passed in the Registry Stored Query Request – not the document itself. This example contains a single document identifier located in the ExtrinsicObject element of the response. If multiple document identifiers were returned, each would be contained in a separate ExtrinsicObject element.

The document identifier and the OID of the Repository that contains the document are shown in **green**. Document metadata, data about the document, such as creation date and author institution, are contained in the ExtrinsicObject Slot and Classification elements.

Registry Stored Query Requests that return no document identifiers based on the passed parameters, will still have a “ResponseStatusType” of “Success”, since there was no explicit error, and will not include an ExtrinsicObject element.

```
<?xml version="1.0" encoding="utf-8"?>
```

```
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://www.w3.org/2003/05/soap-envelope"
xmlns:s="http://www.w3.org/2001/XMLSchema" xmlns:wsa="http://www.w3.org/2005/08/addressing"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <SOAP-ENV:Header>
    <wsa:Action SOAP-ENV:mustUnderstand="true">urn:ihe:iti:2007:RegistryStoredQueryResponse</wsa:Action>
    <wsa:MessageID>urn:uuid:4DBD2265-91D4-43D5-AC83-4AFAC471E82C</wsa:MessageID>
    <wsa:RelatesTo>uuid:cf5502fe-64b2-4af6-8e0c-a796caa1af2f</wsa:RelatesTo>
    <wsa:To>http://www.w3.org/2005/08/addressing/anonymous</wsa:To>
  </SOAP-ENV:Header>
  <SOAP-ENV:Body>
    <query:AdhocQueryResponse xmlns="urn:oasis:names:tc:ebxml-regrep:xsd:query:3.0"
xmlns:query="urn:oasis:names:tc:ebxml-regrep:xsd:query:3.0" status="urn:oasis:names:tc:ebxml-
regrep:ResponseStatusType:Success">
      <rim:RegistryObjectList xmlns="urn:oasis:names:tc:ebxml-regrep:xsd:rim:3.0"
xmlns:rim="urn:oasis:names:tc:ebxml-regrep:xsd:rim:3.0">
        <rim:ExtrinsicObject id="urn:uuid:9b9ec0ea-f021-466a-9211-26756ff12a4e" lid="urn:uuid:9b9ec0ea-f021-
466a-9211-26756ff12a4e" mimeType="text/xml" objectType="urn:uuid:7edca82f-054d-47f2-a032-
9b2a5b5186c1" status="urn:oasis:names:tc:ebxml-regrep:StatusType:Approved">
          <rim:Slot name="creationTime">
            <rim:ValueList>
              <rim:Value>201710101439</rim:Value>
            </rim:ValueList>
          </rim:Slot>
          <rim:Slot name="languageCode">
            <rim:ValueList>
              <rim:Value>en-us</rim:Value>
            </rim:ValueList>
          </rim:Slot>
          <rim:Slot name="serviceStartTime">
            <rim:ValueList>
              <rim:Value>201710131153</rim:Value>
            </rim:ValueList>
          </rim:Slot>
          <rim:Slot name="serviceStopTime">
            <rim:ValueList>
              <rim:Value>201710131253</rim:Value>
            </rim:ValueList>
          </rim:Slot>
          <rim:Slot name="sourcePatientId">
            <rim:ValueList>
              <rim:Value>000000130901^^^&2.16.840.1.113883.3.7123&ISO</rim:Value>
            </rim:ValueList>
          </rim:Slot>
          <rim:Slot name="repositoryUniqueId">
            <rim:ValueList>
              <rim:Value>1.3.6.1.4.1.21367.2010.1.2.300.10</rim:Value>
            </rim:ValueList>
          </rim:Slot>
          <rim:Slot name="documentAvailability">
            <rim:ValueList>
              <rim:Value>urn:ihe:iti:2010:DocumentAvailability:Online</rim:Value>
            </rim:ValueList>
          </rim:Slot>
          <rim:Slot name="sourcePatientInfo">
            <rim:ValueList>
              <rim:Value>PID-3|000000130901^^^&2.16.840.1.113883.3.7123&ISO</rim:Value>
              <rim:Value>PID-5|Test^OneDO^^^</rim:Value>
              <rim:Value>PID-7|19600101</rim:Value>
              <rim:Value>PID-8|F</rim:Value>
              <rim:Value>PID-11|1 Doctor Street^^Ocean City^MD^21842^USA</rim:Value>
            </rim:ValueList>
          </rim:Slot>
        </rim:ExtrinsicObject>
      </rim:RegistryObjectList>
    </query:AdhocQueryResponse>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```



```

</rim:Slot>
<rim:Slot name="urn:healthshare:slots:sourceId">
  <rim:ValueList>
    <rim:Value>2.16.840.1.113883.3.7123</rim:Value>
  </rim:ValueList>
</rim:Slot>
<rim:Name>
  <rim:LocalizedString value="Continuity of Care Document (C-CDA) (Encounter date: 10/10/2017 12:00 AM)" />
</rim:Name>
<rim:VersionInfo versionName="1" />
<rim:Classification classificationScheme="urn:uuid:41a5887f-8865-4c09-adf7-e362475b143a"
classifiedObject="urn:uuid:9b9ec0ea-f021-466a-9211-26756ff12a4e" id="urn:uuid:cd18ac0a-a7f1-443c-9b3e-392953ca8c8e" lid="urn:uuid:cd18ac0a-a7f1-443c-9b3e-392953ca8c8e"
nodeRepresentation="34133-9" objectType="urn:oasis:names:tc:ebxml-regrep:ObjectType:RegistryObject:Classification">
  <rim:Slot name="codingScheme">
    <rim:ValueList>
      <rim:Value>2.16.840.1.113883.6.1</rim:Value>
    </rim:ValueList>
  </rim:Slot>
  <rim:Name>
    <rim:LocalizedString value="SUMMARIZATION OF EPISODE NOTE" />
  </rim:Name>
  <rim:VersionInfo versionName="1" />
</rim:Classification>
<rim:Classification classificationScheme="urn:uuid:a09d5840-386c-46f2-b5ad-9c3699a4309d"
classifiedObject="urn:uuid:9b9ec0ea-f021-466a-9211-26756ff12a4e" id="urn:uuid:0a1f3b81-4fc0-4540-9b02-f8fef79c4c1" lid="urn:uuid:0a1f3b81-4fc0-4540-9b02-f8fef79c4c1" nodeRepresentation="CDAR2-IHE-1.0" objectType="urn:oasis:names:tc:ebxml-regrep:ObjectType:RegistryObject:Classification">
  <rim:Slot name="codingScheme">
    <rim:ValueList>
      <rim:Value>1.3.6.1.4.1.19376.1.2.3</rim:Value>
    </rim:ValueList>
  </rim:Slot>
  <rim:Name>
    <rim:LocalizedString value="CDAR2/IHE 1.0" />
  </rim:Name>
  <rim:VersionInfo versionName="1" />
</rim:Classification>
<rim:Classification classificationScheme="urn:uuid:f33fb8ac-18af-42cc-ae0e-ed0b0bdb91e1"
classifiedObject="urn:uuid:9b9ec0ea-f021-466a-9211-26756ff12a4e" id="urn:uuid:8f9f9fd4-a65a-40ed-a235-44c13f50f367" lid="urn:uuid:8f9f9fd4-a65a-40ed-a235-44c13f50f367"
nodeRepresentation="Outpatient" objectType="urn:oasis:names:tc:ebxml-regrep:ObjectType:RegistryObject:Classification">
  <rim:Slot name="codingScheme">
    <rim:ValueList>
      <rim:Value>2.16.840.1.113883.6.96</rim:Value>
    </rim:ValueList>
  </rim:Slot>
  <rim:Name>
    <rim:LocalizedString value="Outpatient" />
  </rim:Name>
  <rim:VersionInfo versionName="1" />
</rim:Classification>
<rim:Classification classificationScheme="urn:uuid:cccf5598-8b07-4b77-a05e-ae952c785ead"
classifiedObject="urn:uuid:9b9ec0ea-f021-466a-9211-26756ff12a4e" id="urn:uuid:417a75fc-1a95-4d31-915b-b748bc2602d2" lid="urn:uuid:417a75fc-1a95-4d31-915b-b748bc2602d2"
nodeRepresentation="General-Medicine" objectType="urn:oasis:names:tc:ebxml-regrep:ObjectType:RegistryObject:Classification">
  <rim:Slot name="codingScheme">

```

```

        <rim:ValueList>
            <rim:Value>2.16.840.1.113883.6.96</rim:Value>
        </rim:ValueList>
    </rim:Slot>
    <rim:Name>
        <rim:LocalizedString value="General Medicine" />
    </rim:Name>
    <rim:VersionInfo versionName="1" />
</rim:Classification>
<rim:Classification classificationScheme="urn:uuid:f0306f51-975f-434e-a61c-c59651d33983"
classifiedObject="urn:uuid:9b9ec0ea-f021-466a-9211-26756ff12a4e" id="urn:uuid:60f3dcb1-0944-42ef-
bf8a-dc65dba55f17" lid="urn:uuid:60f3dcb1-0944-42ef-bf8a-dc65dba55f17"
nodeRepresentation="34133-9" objectType="urn:oasis:names:tc:ebxml-
regrep:ObjectType:RegistryObject:Classification">
    <rim:Slot name="codingScheme">
        <rim:ValueList>
            <rim:Value>LOINC</rim:Value>
        </rim:ValueList>
    </rim:Slot>
    <rim:Name>
        <rim:LocalizedString value="SUMMARIZATION OF EPISODE NOTE" />
    </rim:Name>
    <rim:VersionInfo versionName="1" />
</rim:Classification>
<rim:Classification classificationScheme="urn:uuid:93606bcf-9494-43ec-9b4e-a7748d1a838d"
classifiedObject="urn:uuid:9b9ec0ea-f021-466a-9211-26756ff12a4e" id="urn:uuid:cd61cbbe-3a5c-40d8-
bc6e-aba6f6619b72" lid="urn:uuid:cd61cbbe-3a5c-40d8-bc6e-aba6f6619b72" nodeRepresentation=""
objectType="urn:oasis:names:tc:ebxml-regrep:ObjectType:RegistryObject:Classification">
    <rim:Slot name="authorPerson">
        <rim:ValueList>
            <rim:Value>Unknown</rim:Value>
        </rim:ValueList>
    </rim:Slot>
    <rim:Slot name="authorInstitution">
        <rim:ValueList>
            <rim:Value>Peninsula Cardiology Associates, PA</rim:Value>
        </rim:ValueList>
    </rim:Slot>
    <rim:VersionInfo versionName="1" />
</rim:Classification>
<rim:Classification classificationScheme="urn:uuid:f4f85eac-e6cb-4883-b524-f2705394840f"
classifiedObject="urn:uuid:9b9ec0ea-f021-466a-9211-26756ff12a4e" id="urn:uuid:6aa1449a-702f-4010-
8cf3-7073f965c32e" lid="urn:uuid:6aa1449a-702f-4010-8cf3-7073f965c32e" nodeRepresentation="N"
objectType="urn:oasis:names:tc:ebxml-regrep:ObjectType:RegistryObject:Classification">
    <rim:Slot name="codingScheme">
        <rim:ValueList>
            <rim:Value>2.16.840.1.113883.5.25</rim:Value>
        </rim:ValueList>
    </rim:Slot>
    <rim:Name>
        <rim:LocalizedString value="N" />
    </rim:Name>
    <rim:VersionInfo versionName="1" />
</rim:Classification>
<rim:ExternalIdentifier id="urn:uuid:ba39d202-cafb-4149-a3c6-ff4c76a4fec5"
identificationScheme="urn:uuid:58a6f841-87b3-4a3e-92fd-a8ffeff98427" lid=""
registryObject="urn:uuid:9b9ec0ea-f021-466a-9211-26756ff12a4e"
value="79549723^^^&1.3.6.1.4.1.21367.2010.1.2.300&ISO">
    <rim:Name>
        <rim:LocalizedString value="XDSDocumentEntry.patientId" />
    </rim:Name>

```

```

        <rim:VersionInfo versionName="1" />
      </rim:ExternalIdentifier>
      <rim:ExternalIdentifier id="urn:uuid:26906668-9886-4217-8008-a04ad16dd939"
        identificationScheme="urn:uuid:2e82c1f6-a085-4c72-9da3-8640a32e42ab" lid=""
        registryObject="urn:uuid:9b9ec0ea-f021-466a-9211-26756ff12a4e" value="2.25.0.02333498381296191">
        <rim:Name>
          <rim:LocalizedString value="XDSDocumentEntry.uniqueId" />
        </rim:Name>
        <rim:VersionInfo versionName="1" />
      </rim:ExternalIdentifier>
    </rim:ExtrinsicObject>
  </rim:RegistryObjectList>
</query:AdhocQueryResponse>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>

```

Retrieve Document Set (ITI-43)

Example Request

The example contains the desired document identifier and Repository OID in **green** within a DocumentRequest element. The HomeCommunityId is *not* a required field.

If multiple documents were to be retrieved, the document identifier for each desired document would be contained within a separate DocumentRequest element.

```

<S:Envelope xmlns:S="http://www.w3.org/2003/05/soap-envelope" xmlns:wsa="http://www.w3.org/2005/08/addressing">
  <S:Header>
    <wsa:To>https://testapi.crispheath.org/healthshare/document/</wsa:To>
    <wsa:From>
      <wsa:Address>Sending host</wsa:Address>
    </wsa:From>
    <wsa:Action>urn:ihe:iti:2007:RetrieveDocumentSet</wsa:Action>
    <wsa:ReplyTo>
      <wsa:Address>http://www.w3.org/2005/08/addressing/anonymous</wsa:Address>
    </wsa:ReplyTo>
    <wsa:MessageID>uuid:03d45c43-583a-4d23-9727-739eb9405da0</wsa:MessageID>
  </S:Header>
  <S:Body>
    <ns6:RetrieveDocumentSetRequest xmlns:ns2="urn:oasis:names:tc:ebxml-regrep:xsd:rim:3.0"
      xmlns:ns3="urn:oasis:names:tc:ebxml-regrep:xsd:query:3.0" xmlns:ns4="urn:oasis:names:tc:ebxml-regrep:xsd:rs:3.0"
      xmlns:ns5="urn:oasis:names:tc:ebxml-regrep:xsd:lcm:3.0" xmlns:ns6="urn:ihe:iti:xds-b:2007">

```

```

        <ns6:DocumentRequest>
          <ns6:HomeCommunityId>HomeCommunityOID</ns6:HomeCommunityId>
          <ns6:RepositoryUniqueId>1.3.6.1.4.1.21367.2010.1.2.300.10</ns6:RepositoryUniqueId>
          <ns6:DocumentUniqueId>2.25.0.02333498381296191</ns6:DocumentUniqueId>
        </ns6:DocumentRequest>
      </ns6:RetrieveDocumentSetRequest>
    </S:Body>
  </S:Envelope>

```

Example Response

The document in the response is shown in **green**. For this example, the actual document has been truncated to fit within this document. If multiple documents had been requested for retrieval, the example would contain multiple "DocumentResponse" elements.

```

--1aeaa63b-c1b9-4a33-955e-ed4529cbabf7
Content-ID: <22eb7c16-3848-4b01-8936-235e862f4584>
Content-Type: application/xop+xml; charset=UTF-8; type="application/soap+xml"
Content-Transfer-Encoding: binary

<?xml version="1.0" encoding="utf-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://www.w3.org/2003/05/soap-envelope"
xmlns:wsa="http://www.w3.org/2005/08/addressing" xmlns:ihe="urn:ihe:iti:xds-b:2007"
xmlns:xop="http://www.w3.org/2004/08/xop/include">
  <SOAP-ENV:Header>
    <wsa:Action>urn:ihe:iti:2007:CrossGatewayRetrieveResponse</wsa:Action>
    <wsa:RelatesTo>urn:uuid:a1047546-69bb-4c9a-99eb-69a354105920</wsa:RelatesTo>
    <wsa:MessageID>urn:uuid:ca5985e1-e421-47f1-bf08-b8699872bd31</wsa:MessageID>
    <wsa:To>http://www.w3.org/2005/08/addressing/anonymous</wsa:To>
  </SOAP-ENV:Header>
  <SOAP-ENV:Body>
    <ihe:RetrieveDocumentSetResponse>
      <rs:RegistryResponse xmlns:rs="urn:oasis:names:tc:ebxml-regrep:xsd:rs:3.0" status="urn:oasis:names:tc:ebxml-
regrep:ResponseStatusType:Success"></rs:RegistryResponse>
      <ihe:DocumentResponse>
        <ihe:HomeCommunityId> HomeCommunityOID</ihe:HomeCommunityId>
        <ihe:RepositoryUniqueId>1.3.6.1.4.1.21367.2010.1.2.300.10</ihe:RepositoryUniqueId>
        <ihe:DocumentUniqueId>41e3b567-40e2-4501-e240-014567b5e341</ihe:DocumentUniqueId>
        <ihe:mimeType>text/xml</ihe:mimeType>
        <ihe:Document>
          <xop:Include href="cid:41e3b567-40e2-4501-e240-014567b5e341" />
        </ihe:Document>
      </ihe:DocumentResponse>
    </ihe:RetrieveDocumentSetResponse>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
--1aeaa63b-c1b9-4a33-955e-ed4529cbabf7
Content-ID: <41e3b567-40e2-4501-e240-014567b5e341>
Content-Type: text/xml
Content-Transfer-Encoding: binary

<?xml version="1.0" encoding="utf-8"?>
<ClinicalDocument xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns="urn:hl7-org:v3">
...
</ClinicalDocument>
--1aeaa63b-c1b9-4a33-955e-ed4529cbabf7--

```

