



EHR OAuth Based API

INTRODUCTION

In this documentation we will list all the steps required to access protected health information based on the documentation of an open API.

Note: Patient data used in this document is test data and doesn't contain any PHI.

Product Name and Version:	eDerm Systems 2.8.0
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REFERENCE

Validate user and get access token

POST

This api is used to validate the user and in return will give an access token along with other parameters. This access token will be used for all future API calls.

Input here username and password in the body part.

The value for input parameter 'grant_type' will remain fixed as 'password'. Please do not change this.

URL: `POST https://remotedev-5/ederm/Authenticate`
Request (POST)

HEADERS

`Content-Type: application/x-www-form-urlencoded`

BODY

`username=super&password=super123&grant_type=password`

Response

`200`

HEADERS



Content-Type:application/json

BODY

```
{
  "access_token": "oB2BfyWtbnA_7wgoRfM6ggXmB74oo8SRxGazgGGrmcddf65207WkigD-
1PqIKXsZuIIYDqP4Vqm0VpAWGMzmqeTu4h3FrzrZfZH5v5ID0qn8kAZGYUfxn2uJ_Ramt6PNEgm_6FRKz1Y4N18XajAc0RwFQkoeYJKfpQ
sD-RzacghVo1370L5MsLE0p7Dw6SkHwDwQgG2Q8wUhp79a7LQhpU4XZ1OP-xXSis7gBR1T28",
  "token_type": "bearer",
  "expires_in": 599
}
```

Search Patient

POST

This api is used to search for a patient. In return it will give a list of patients with its basic demographics.

The access token received in the previous api call should be used here. As can be seen in the headers section here, one need to pass the access token in the header.

Input here is in json format as can be seen in the body section. Observe carefully here, that the entire json input parameter is sent with blank name before '='.

URL: **POST** https://remotedev-5/ederm/api/SearchPatient
Request (POST)

HEADERS

```
Content-Type:application/x-www-form-urlencoded
Authorization:Bearer access_token
```

BODY

```
={
  "firstname": "bob",
  "lastname": "nice",
  "dob": "04/26/2017",
  "gender": "M"
}
```

Response

200

HEADERS

```
Content-Type:application/json
```

BODY

```
[
  {
    "MRN": "123456",
    "Id": "1",
    "FirstName": "Bob",
    "LastName": "New",
    "DoB": "20040404",
    "Gender": "M"
  },
  {
    "MRN": "787812",
    "Id": "2",
    "FirstName": "Bob",
    "LastName": "Fresh",
    "DoB": "20090404",
    "Gender": "M"
  }
]
```

Get Patient Encounters

POST

This api is used to get encounters for a patient. In return it will give a list of encounters.

The access token received in the previous api call should be used here. As can be seen in the headers section here, one need to pass the access token in the header.

Input here is in json format as can be seen in the body section. Observe carefully here, that the entire json input parameter is sent with blank name before '='.

Get Patient Encounters / POST

POST <https://remotedev-5/ederm/api/GetPatientEncounters>

Request

POST <https://remotedev-5/ederm/api/GetPatientEncounters>

Content-Type:application/x-www-form-urlencoded
Authorization:Bearer access_token

Request Body

```
={"patientid": "1", "ccdafromdatetime": "06/22/2010 8:00 AM", "ccdatodatetime": "06/22/2010 8:00 AM", "returnformat": ""}
```

Response
200

HEADERS

Content-Type:application/json

BODY

```
[
  {
    "PatientId": "1",
    "VisitBeginDateTime": "6/22/2015 8:00:00 AM",
    "ProviderFullName": "One Doctor"
  }
]
```





Fetch Patient Data

POST

This api is used to get data for a patient.

The access token need to be sent in this API call as well. As can be seen in the headers section here, one need to pass the access token in the header.

The other input here is in JSON format as can be seen in the body section. For the section that need to be brought are sent with a 'true' value. Date filter is also sent as an input. CCDA will be fetched for the patient id that is sent in the input. Observe carefully here, that the entire JSON input parameter is sent with blank name before '='.

The response here will be a patient data in requested format (XML/JSON/HTML).

URL: POST <https://remotedev-5/ederm/api/GetPatientData>
Request (POST)

HEADERS

Content-Type:application/x-www-form-urlencoded
Authorization:Bearer access_token

BODY

```
={  
  "patientid": "1",  
  "medications": "true",  
  "medicationallergies": "true",  
  "labresults": "true",  
  "vitalsigns": "true",  
  "procedures": "true",  
  "careteammembers": "true",  
  "immunizations": "true",  
  "udidforpatientdevices": "true",  
  "planoftreatment": "true",  
  "goals": "true",  
  "healthconcerns": "true",  
  "labtest": "true",  
  "assessment": "true",  
  "problems": "true",  
  "patientname": "true",  
  "patientgender": "true",  
  "patientdob": "true",  
  "patientrace": "true",  
  "patientethnicity": "true",  
  "patientpreferredlanguage": "true",  
  "smokingstatus": "true",  
  "ccdafromdate": "08/18/2017",  
  "ccdatodate": "08/18/2017",  
  "returnformat": "xml"  
}
```

Response

200

HEADERS

Content-Type: application/xml

BODY

```
<?xml version="1.0" encoding="utf-8"?>\r\n<ClinicalDocument xmlns="urn:hl7-org:v3"
xmlns:sdtc="urn:hl7-org:sdtc" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:gsd="http://aurora.regenstrief.org/GenericXMLSchema"
xmlns:sch="http://www.ascc.net/xml/schematron" xmlns:xlink="http://www.w3.org/TR/WD-xlink"
xmlns:mif="urn:hl7-org:v3/mif">\r\n <realmCode code="US" />\r\n <typeId
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root="2.16.840.1.113883.10.20.22.1.1" extension="2015-08-01" />\r\n <templateId
root="2.16.840.1.113883.10.20.22.1.1" />\r\n <templateId root="2.16.840.1.113883.10.20.22.1.2"
extension="2015-08-01" />\r\n <templateId root="2.16.840.1.113883.10.20.22.1.2" />\r\n <id
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assigningAuthorityName="Test EHR" />\r\n <code codeSystem="2.16.840.1.113883.6.1"
codeSystemName="LOINC" code="34133-9" displayName="Summarization of episode note" />\r\n
<title>Summarization of episode note</title>\r\n <effectiveTime value="2013101012000" />\r\n
<confidentialityCode code="N" codeSystem="2.16.840.1.113883.5.25" />\r\n <languageCode code="en-US"
/>\r\n <recordTarget>\r\n <patientRole>\r\n <id root="78A150ED-B890-49dc-B716-5EC0027B3982"
extension="123456" assigningAuthorityName="Test EHR" />\r\n <addr use="HP">\r\n
<streetAddressLine>1357 Amber Drive</streetAddressLine>\r\n <city>Beaverton</city>\r\n
<stateOR</state>>\r\n <postalCode>97006</postalCode>\r\n <country>US</country>\r\n
</addr>\r\n <telecom use="HP" value="555-777-1234" />\r\n <telecom use="MC" value="555-
723-1544" />\r\n <patient>\r\n <name>\r\n <given>Alice</given>\r\n
<given>Jones</given>\r\n <family>Newman</family>\r\n <name>\r\n
<given qualifier="BR">Alicia</given>\r\n <family>Newman</family>\r\n <name>\r\n
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codeSystemName="CDC - Race and Ethnicity" code="2106-3" displayName="White" />\r\n
<sdtc:raceCode codeSystem="2.16.840.1.113883.6.238" codeSystemName="CDC - Race and Ethnicity"
code="2108-9" displayName="White Mountain Apache" />\r\n <ethnicGroupCode
codeSystem="2.16.840.1.113883.6.238" codeSystemName="CDC - Race and Ethnicity" code="2186-5"
displayName="Not Hispanic or Latino" />\r\n <languageCommunication>\r\n <languageCode
code="en-US" />\r\n </languageCommunication>\r\n </patient>\r\n
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Clinic</name>\r\n <telecom use="WP" value="123-234-4444" />\r\n <addr use="WP">\r\n
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codeSystemName="NUCC" displayName="Get Well Clinic" />\r\n <addr use="WP">\r\n
<streetAddressLine>1357 Amber Drive</streetAddressLine>\r\n <city>Beaverton</city>\r\n
<stateOR</state>>\r\n <postalCode>97006</postalCode>\r\n <country>US</country>\r\n
</addr>\r\n <telecom use="WP" value="123-234-4444" />\r\n <assignedPerson>\r\n
<name>\r\n <prefix>Dr</prefix>\r\n <given>Albert</given>\r\n
<family>Davis</family>\r\n </name>\r\n </assignedPerson>\r\n
<representedOrganization>\r\n <id root="2.16.840.1.113883.3.441.1.50" extension="300011" />\r\n
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Drive</streetAddressLine>\r\n <city>Beaverton</city>\r\n <stateOR</state>>\r\n
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/>\r\n <name>Get Well Clinic</name>\r\n <telecom use="WP" value="123-234-4444" />\r\n
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<city>Beaverton</city>\r\n <stateOR</state>>\r\n <postalCode>97006</postalCode>\r\n
<country>US</country>\r\n </addr>\r\n </representedCustodianOrganization>\r\n
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```



```
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VISIT"/>\r\n <title>CHIEF COMPLAINT</title>\r\n <text>\r\n <table
border="1" width="100%">\r\n <thead>\r\n <tr>\r\n </thead>\r\n
<tbody>\r\n <tr>\r\n <td>\r\n <list>\r\n
<item>Mild Fever, 2 days Chills, 2 days Cough productive of greenish sputum, 2 days</item>\r\n
</list>\r\n </td>\r\n </tr>\r\n </tbody>\r\n
</table>\r\n </text>\r\n </section>\r\n </component>\r\n </component>\r\n
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2" codeSystem="2.16.840.1.113883.6.1" />\r\n <title>ALLERGIES, ADVERSE REACTIONS</title>\r\n
<text>Data in this section may be excluded or not available.</text>\r\n <entry>\r\n
<act classCode="ACT" moodCode="EVN">\r\n <templateId
root="2.16.840.1.113883.10.20.22.4.30"/>\r\n <id
```




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```
root="2.16.840.1.113883.3.441.1.50.300011.51.26562.57" extension="1307" />\r\n <code
code="48765-2" displayName="Allergies, adverse reactions, alerts" codeSystem="2.16.840.1.113883.6.1"
codeSystemName="LOINC" />\r\n <statusCode code="active" />\r\n
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extension="03d2b31b04fd4042a24423b657750245" />\r\n <code code="ASSERTION"
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</effectiveTime>\r\n <value xsi:type="CD" code="419199007"
codeSystem="2.16.840.1.113883.6.96" codeSystemName="SNOMED CT" displayName="Allergy to substance
(disorder)" />\r\n <entryRelationship typeCode="MFST" inversionInd="true">\r\n
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codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC" displayName="History of immunizations"
/>\r\n <title>IMMUNIZATIONS</title>\r\n <text>\r\n <table border="1"
width="100%">\r\n <thead>\r\n <tr>\r\n <th>Vaccine</th>\r\n
<th>Date</th>\r\n <th>Status</th>\r\n <th>Lot number</th>\r\n
</tr>\r\n <tbody>\r\n <tr>\r\n <td>Influenza Virus Vaccine (CVX: 88)\r\n
</td>\r\n <td>completed</td>\r\n <td>1</td>\r\n <td>May 10, 2014
</td>\r\n <td>influenza, intradermal, quadrivalent, preservative free (CVX: 166)\r\n
</td>\r\n <td>June 22, 2015</td>\r\n <td>Cancelled</td>\r\n
<td>1</td>\r\n </tr>\r\n <tr>\r\n <td>Tetanus and
diphtheria toxoids (CVX: 106)\r\n </td>\r\n <td>April 1, 2012</td>\r\n
<td>completed</td>\r\n <td>1</td>\r\n </tbody>\r\n
</table>\r\n </text>\r\n <entry typeCode="DRIV">\r\n
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displayName="Intramuscular injection">\r\n <originalText>Intramuscular
injection</originalText>\r\n </routeCode>\r\n <consumable>\r\n
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Software Powering the Dermatology Practice

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Software Powering the Dermatology Practice

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<td>Future
Order</td>\r\n
<tr>\r\n
<td>Get a Chest X-ray done on 6/23/2015 showing the Lower Respiratory Tract
Structure.</td>\r\n
<td>Future Order</td>\r\n
<td>June 22, 2015
</td>\r\n
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<td>Medication Order</td>\r\n
<td>June 22, 2015 </td>\r\n
<td>Plan for Clindamycin 300mg
, RxNorm code - 748747, TID, if pain does not subside by the end of the day.</td>\r\n
<td>Medication Order</td>\r\n
<td>June 22, 2015 </td>\r\n
<td>Plan to get admitted to Community Health Hospitals Inpatient facility if
fever does not subside within a day. (Date: 6/23/2015)</td>\r\n
<td>Future Visit</td>\r\n
<td>June 22, 2015 </td>\r\n
<td>After
treatment, schedule visit with Neighborhood Physicians Practice on 7/1/2015.</td>\r\n
<td>Future Visit</td>\r\n
<td>June 22, 2015 </td>\r\n
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<td>Pulmonary function tests:\r\n
referred to Community Health Hospitals Inpatient facility because of the high fever noticed and suspected
Anemia</td>\r\n
<td>Referral to other provider</td>\r\n
<td>August 15,
2012 </td>\r\n
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Lab Order\r\n
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patient to closely monitor the temperature and blood pressure and get admitted to Community Health
Hospitals if the fever does not subside </td>\r\n                </tr>\r\n                </tbody>\r\n
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Software Powering the Dermatology Practice

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Software Powering the Dermatology Practice

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value="20150622" />\r\n      <value xsi:type="PQ" value="100" unit="mg/dl" />\r\n
</observation>\r\n      </component>\r\n      </organizer>\r\n      </entry>\r\n
</section>\r\n      </component>\r\n      <component>\r\n      <section>\r\n      <templateId
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<title>PROBLEMS</title>\r\n      <text>\r\n      <table border="1" width="100%">\r\n
<thead>\r\n      <tr>\r\n      <th>Problem</th>\r\n      <th>Effective
Dates</th>\r\n      <th>Problem Status</th>\r\n      </tr>\r\n
</thead>\r\n      <tbody>\r\n      <tr>\r\n      <td>Essential hypertension
(Disorder) [Code: 59621000]\r\n      </td>\r\n      <td>October 5, 2011 </td>\r\n
<td>active</td>\r\n      </tr>\r\n      <tr>\r\n      <td>Severe
Hypothyroidism (Disorder) [Code: 83986005]\r\n      </td>\r\n      <td>December
31, 2006 </td>\r\n      <td>active</td>\r\n      </tr>\r\n      <tr>\r\n
<td>Chronic rejection of renal transplant (Disorder) [Code: 236578006]\r\n      </td>\r\n
<td>December 31, 2011 </td>\r\n      <td>active</td>\r\n      </tr>\r\n
<tr>\r\n      <td>Fever (finding) [Code: 386661006]\r\n      </td>\r\n
<td>June 22, 2015 </td>\r\n      <td>active</td>\r\n      </tr>\r\n
<tr>\r\n      <td>Overweight (finding) [Code: 238131007]\r\n      </td>\r\n
<td>December 31, 2006 </td>\r\n      <td>completed</td>\r\n      </tr>\r\n
<tr>\r\n      <td>Diabetes mellitus type 2. [Code: 44054006]\r\n      </td>\r\n
<td>, </td>\r\n      <td>completed</td>\r\n      </tr>\r\n
</tbody>\r\n      </table>\r\n      </text>\r\n      <entry typeCode="DRIV">\r\n
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e98e58b45de7" extension="probl" />\r\n      <code code="CONC"
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code="active" />\r\n      <effectiveTime>\r\n      <low value="20111005" />\r\n
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b0de-0800200c9a66" extension="probl" />\r\n      <code code="64572001"
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displayName="Condition" />\r\n      </code>\r\n      <statusCode
code="completed" />\r\n      <effectiveTime>\r\n      <low value="20111005"
/ >\r\n      <high nullFlavor="UNK" />\r\n      </effectiveTime>\r\n
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hypertension (Disorder)" />\r\n      </observation>\r\n      </entryRelationship>\r\n
</act>\r\n      </entry>\r\n      <entry typeCode="DRIV">\r\n      <act classCode="ACT"
moodCode="EVN">\r\n      <templateId root="2.16.840.1.113883.10.20.22.4.3" extension="2015-
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code="active" />\r\n      <effectiveTime>\r\n      <low value="20061231" />\r\n
<high nullFlavor="UNK" />\r\n      </effectiveTime>\r\n      <entryRelationship
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<templateId root="2.16.840.1.113883.10.20.22.4.4" />\r\n      <id root="ab1791b0-5c71-11db-
b0de-0800200c9a66" extension="prob3" />\r\n      <code code="64572001"
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displayName="Condition" />\r\n      </code>\r\n      <statusCode
code="completed" />\r\n      <effectiveTime>\r\n      <low value="20061231"
/ >\r\n      <high nullFlavor="UNK" />\r\n      </effectiveTime>\r\n
```



```
Software Powering the Dermatology Practice
<value xsi:type="CD" code="83986005" codeSystem="2.16.840.1.113883.6.96" displayName="Severe
Hypothyroidism (Disorder)" />\r\n      </observation>\r\n      </entryRelationship>\r\n
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b0de-0800200c9a66" extension="prob4" />\r\n      <code code="64572001"
displayName="Condition" codeSystemName="SNOMED-CT" codeSystem="2.16.840.1.113883.6.96">\r\n
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displayName="Condition" />\r\n      </code>\r\n      <statusCode
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rejection of renal transplant (Disorder)" />\r\n      </observation>\r\n
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typeCode="DRIV">\r\n      <act classCode="ACT" moodCode="EVN">\r\n      <templateId
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(finding)" />\r\n      </observation>\r\n      </entryRelationship>\r\n
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b0de-0800200c9a66" extension="prob2" />\r\n      <code code="64572001"
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displayName="Condition" />\r\n      </code>\r\n      <statusCode
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(finding)" />\r\n      </observation>\r\n      </entryRelationship>\r\n
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</act>\r\n
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<th>Functional Condition</th>\r\n
<th>Type</th>\r\n
<th>Date</th>\r\n
<th>Status</th>\r\n
</tr>\r\n
</thead>\r\n
<tbody>\r\n
<tr>\r\n
<td>Dependence on Cane</td>\r\n
<td>Functional</td>\r\n
<td>May 1, 2005</td>\r\n
<td>Active\r\n
Active\r\n
</td>\r\n
</tr>\r\n
<tr>\r\n
<td>Cognitive</td>\r\n
<td>Amnesia</td>\r\n
<td>May 1, 2005</td>\r\n
<td>Active\r\n
Active\r\n
</td>\r\n
</tr>\r\n
</tbody>\r\n
</table>\r\n
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<paragraph>Pulmonary function tests<br />\r\n
Details: Ms Alice Newman is being referred to Community Health Hospitals Inpatient facility because of the
high fever noticed and suspected Anemia<br />\r\n
Scheduled Appointment Date: August 15, 2012
<br /></paragraph>\r\n
</text>\r\n
</section>\r\n
</component>\r\n
</structuredBody>\r\n
</component>\r\n
</ClinicalDocument>
```



Fetch Patient Data (Specific Category)

POST

This api is used to get data for a patient.

The access token need to be sent in this API call as well. As can be seen in the headers section here, one need to pass the access token in the header.

The other input here is in JSON format as can be seen in the body section. For the section that need to be brought are sent with a 'true' value. Date filter is also sent as an input. Data will be fetched in XML format (or JSON) for the patient id that is sent in the input and only for the section requested. Observe carefully here, that the entire JSON input parameter is sent with blank name before '='.

The response here will be a only patient data sections in requested format (XML/JSON/HTML). The XML format will be similar to CCDA but there will not be extra data apart from requested segment.

CCDA header with only specific sections requested or snippet of the XML containing only the specific section(s) requested will be returned.

URL: `POST https://remotedev-5/ederm/api/GetPatientData`
Request (POST)

HEADERS

`Content-Type: application/x-www-form-urlencoded`
`Authorization: Bearer access_token`

BODY

```
={
  "patientid": "1",
  "problems": "true",
  "patientname": "true",
  "patientgender": "true",
  "patientdob": "true",
  "patientrace": "true",
  "patientethnicity": "true",
  "patientpreferredlanguage": "true",
  "ccdafromdate": "08/18/2017",
  "ccdatodate": "08/18/2017",
  "returnformat": "xml"
}
```

Response

200

HEADERS

Content-Type: application/xml

BODY

```
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- <SelectedComponents>
  <templateId xmlns="urn:hl7-org:v3" extension="2015-08-01" root="2.16.840.1.113883.10.20.22.1.1"/>
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  <templateId xmlns="urn:hl7-org:v3" extension="2015-08-01" root="2.16.840.1.113883.10.20.22.1.2"/>
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  <code xmlns="urn:hl7-org:v3" displayName="Summarization of episode note" code="34133-9" codeSystemName="LOINC" codeSystem="2.16.840.1.113883.6.1"/>
  <effectiveTime xmlns="urn:hl7-org:v3" value="20180416100707"/>
  <languageCode xmlns="urn:hl7-org:v3" code="en-US"/>
  <recordTarget xmlns="urn:hl7-org:v3">
    <patientRole>
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      <addr use="HP"/>
      <telecom value="5557231544" use="HP"/>
      <telecom value="5557771234" use="MC"/>
      <patient>
        <name>
          <given>Alice</given>
          <given>Jones</given>
          <family>Newman</family>
        </name>
        <name>
          <name>
            <administrativeGenderCode displayName="Female" code="F" codeSystem="2.16.840.1.113883.5.1"/>
            <birthTime value="19700501"/>
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            </languageCommunication>
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          <providerOrganization>
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        </recordTarget>
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                    <tr>
                      <th>Problem</th>
                      <th>Effective Dates</th>
                      <th>Problem Status</th>
                    </tr>
                  </thead>
                  <tbody>
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                      <td>Essential hypertension (disorder) [Code: 59621000]</td>
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                      <td>Active</td>
                    </tr>
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                    <high nullFlavor="UNK"/>
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                      <templateId extension="2015-08-01" root="2.16.840.1.113883.10.20.22.4.4"/>
                      <templateId root="2.16.840.1.113883.10.20.22.4.4"/>
                      <id extension="492f8a10-563-4cc1-b31f-a89c00a56740" root="ab1791b0-5c71-11db-b0de-0800200c9a66"/>
                      <code displayName="Condition" code="64572001" codeSystemName="SNOMED-CT" codeSystem="2.16.840.1.113883.6.96"/>
                      <translation displayName="Condition" code="75323-6" codeSystemName="LOINC" codeSystem="2.16.840.1.113883.6.1"/>
                      <statusCode code="completed"/>
                      <effectiveTime>
                        <low value="20111005"/>
                        <high nullFlavor="UNK"/>
                      </effectiveTime>
                      <value displayName="Essential hypertension (disorder)" code="59621000" codeSystem="2.16.840.1.113883.6.96" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:type="CD"/>
                    </observation>
                  </entryRelationship>
                </act>
              </entry>
            </section>
          </component>
        </structureBody>
      </component>
    </SelectedComponents>
  </SelectedComponents>

```




Additional information for the Data Elements used to represent each data category can be found with search parameter are mentioned below

CCDA Element	Parameter	Possible Value
Patient Name	"patientname": "true"	true / false
Sex	"patientgender": "true"	true / false
Date of Birth	"patientdob": "true"	true / false
Race	"patientrace": "true"	true / false
Ethnicity	"patientethnicity": "true"	true / false
Preferred Language	"patientpreferredlanguage": "true"	true / false
Smoking Status	"smokingstatus": "true"	true / false
Problems	"problems": "true"	true / false
Medications	"medications": "true"	true / false
Medication Allergies	"medicationallergies": "true"	true / false
Laboratory Tests	"labtest": "true"	true / false
Laboratory Values Results	"labresults": "true"	true / false
Vital Signs	"vitalsigns": "true"	true / false
Procedures	"procedures": "true"	true / false
Care Team Members	"careteammembers": "true"	true / false
Immunizations	"immunizations": "true"	true / false
Unique Device Identifiers (procedures)	"udidforpatientdevices": "true"	true / false
Assessment and Plan	"assessment": "true"	true / false
Goals	"goals": "true"	true / false
Health Concerns	"healthconcerns": "true"	true / false

All values are options, if you do not give any parameter it will return complete record.

Client Configurations

- IMPORTANT: Local customer security policies must be in place to prevent unauthorized monitoring or eavesdropping of connections to the server.
- The server is accessed by clients through an https connection.
- Only SSL/TLS connections (TLS 1.0 or higher) are accepted. All plaintext connections will be refused.
- Please limit your connection frequency to a value appropriate for your use case. Connection attempts which are more frequent than permitted by the bandwidth allocation for the data resource are not allowed.
- Client authentication can be performed using a username and strong password. A healthcare organization may reuse existing patient portal credentials for this purpose, in which case the authenticated username map to a unique patient portal user on the resource holder's side.
- Client software must be capable of making HTTPS RESTful requests
- Apart from above configurations there are no other softwares required on the client side.



Error handling

API Server handles the Errors & have valid Exception methods that provides a HTTP status code and a Meaningful messages in JSON format.

Unauthorized HTTP response Code - 401

- If the access token used in the request is invalid, expired, or the user has not been authorized to access the requested Resource, the API will return a 401 Unauthorized HTTP response.

Forbidden Request - HTTP Status Code - 403

- A user trying to access another users profile or data will be returned with a Forbidden Request Error.
- JSON response is returned from the Server for the forbidden request

Bad Request - HTTP Status Code - 400

- An invalid or a bad URL request to the server is returned with a HTTP - 400 response and message
- JSON response is returned from the Server for the forbidden request

Response OK - HTTP Status Code - 200

- An valid request to the server is returned with a HTTP - 200 response and message
- JSON response is returned from the Server for the forbidden request

Terms of Use

TBD: Link will be added here