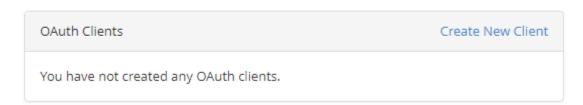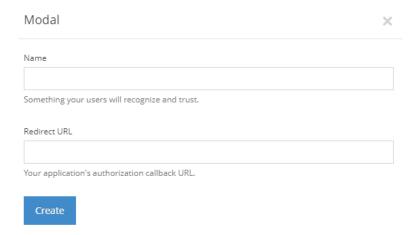# EncounterWorks API

Using EncounterWork's REST API, you can access patient's medical records. You can create a client by navigating to the Administration Link -> Other -> API Access on the Left Navigation.

You will be navigated to this page:

API Access

OAuth Clients	Create New Client
You have not created any OAuth clients.	

You are required to click on the Create New Client link to access the form for registering a new client to access the API:

Modal   ✕

Name

```
[                                        ]
```
Something your users will recognize and trust.

Redirect URL

```
[                                        ]
```
Your application's authorization callback URL.

[Create]

After Registration, a random token will be generated:

API Access

OAuth Clients			Create New Client
Client ID	**Name**	**Secret**	
1	EHR API Access	kpIbRKixqme8pHx5TBX31k03miryrdCLrlI6jW80	Edit Delete

Download API Application

Open Postman Application, this can be downloaded from https://www.getpostman.com/downloads/

Click on Authorization

Change type to OAuth 2.0

Click on Get New Access Token

Token Name: Give any Name

Grant Type: Change it to Client Credentials

Access Token URL: https://drummondsinferno.secured-domain.net/emr/oauth/token

Client ID: Enter from EW

Client Secret: Enter from EW

Client Authentication: Change to Send as Basic Auth header

Submit by clicking on Request Token.

Copy the generated token to the Headers, make use of the following

Key	Value
Accept	application/json

The current version of the API lives at https:// drummondsinferno.secured-domain.net /emr/api/

Note: Replace *drummondsinferno* with your domain name

Endpoints

Endpoints	What it does
patientData/Patient	Returns an array of Patient's Biometrics based on query parameters
patientList/Patient	Returns an array of Patient's Problem and diagnosis conditions
AllergyIntolerance	Returns an array of Patient's Allergies
Immunization	Returns an array of Patient's Immunization
Procedure	Returns an array of Patient's surgeries
Goal	Returns an array of Patient's goals
MedicationStatement	Returns an array of Patient's Medication Statement
MedicationOrder	Returns an array of Patient's Medication Order
CareTeam	Returns an array of Patient's Care Team
Condition	Returns an array of Patient's Health Concerns
VitalSign	Returns an array of Patient's Vital Signs

CarePlan	Returns an array of Patient's Assessment and plan of treatments
DiagnosticReport	Returns an array of Patient's Laboratory Result Diagnosis Reports
Observation	Returns an array of Patient's Smoking Status and Laboratory Result Observation
Device	Returns an array of Patient's Implantable Devices/UDI
smokingStatus	Returns an array of Patient's Smoking Status
labResult	Returns an array of Patient's Laboratory Result
Ccda	Returns an encoded ccda

Search Criteria for Endpoints

Endpoint	Search Criteria
patientData/Patient	Either or combination of the following can be used to search on this endpoint: family name, pid, first name, gender, date of birth and public pid.

Key	Value
name	family name
pid	pid
family	family name
given	first name
gender	gender
birthdate	date of birth
identifier	pubpid

Endpoint	Search Criteria
patientList/Patient	Either or combination of the following can be used to search on this endpoint: id and start.

Key	Value
pid	pid
date	this is filtering on begin and encounter dat.

Note: this is the format to be used for the date:

Date Format	Description
eq2016-01-01	Equal 2016-01-01
gt2016-01-01	Greater than 2016-01-01
ge2016-01-01	Greater than or equal to 2016-01-01
lt2016-01-01	Less than 2016-01-01

le2016-01-01   Less than or equal to 2016-01-01

AllergyIntolerance Either or combination of the following can be used to search on this endpoint: id and start.

Key	Value
pid	pid
date	this is filtered on begin date.

Note: this is the format to be used for the date:

Date Format	Description
eq2016-01-01	Equal 2016-01-01
gt2016-01-01	Greater than 2016-01-01
ge2016-01-01	Greater than or equal to 2016-01-01
lt2016-01-01	Less than 2016-01-01
le2016-01-01	Less than or equal to 2016-01-01

Immunization Either or combination of the following can be used to search on this endpoint: id and start.

Key	Value
pid	pid
date	this is filtered on the administered date.

Note: this is the format to be used for the date:

Date Format	Description
eq2016-01-01	Equal 2016-01-01
gt2016-01-01	Greater than 2016-01-01
ge2016-01-01	Greater than or equal to 2016-01-01
lt2016-01-01	Less than 2016-01-01
le2016-01-01	Less than or equal to 2016-01-01

Procedure Either or combination of the following can be used to search on this endpoint: id and start.

Key	Value
pid	pid

date this is filtering on begin date.

Note: this is the format to be used for the date:

Date Format	Description
eq2016-01-01	Equal 2016-01-01
gt2016-01-01	Greater than 2016-01-01
ge2016-01-01	Greater than or equal to 2016-01-01
lt2016-01-01	Less than 2016-01-01
le2016-01-01	Less than or equal to 2016-01-01

Goal Either or combination of the following can be used to search on this endpoint: id and start.

Key	Value
pid	pid
date	this is filtering on begin date

Note: this is the format to be used for the date:

Date Format	Description
eq2016-01-01	Equal 2016-01-01
gt2016-01-01	Greater than 2016-01-01
ge2016-01-01	Greater than or equal to 2016-01-01
lt2016-01-01	Less than 2016-01-01
le2016-01-01	Less than or equal to 2016-01-01

MedicationStatement Either or combination of the following can be used to search on this endpoint: id and start.

Key	Value
pid	pid
date	this is the begin and end date of the Issue.

Note: this is the format to be used for the date:

Date Format	Description
eq2016-01-01	Equal 2016-01-01
gt2016-01-01	Greater than 2016-01-01
ge2016-01-01	Greater than or equal to 2016-01-01

lt2016-01-01	Less than 2016-01-01
le2016-01-01	Less than or equal to 2016-01-01

MedicationOrder   Either or combination of the following can be used to search on this endpoint: id and start.

Key	Value
pid	pid
date	this is the begin date of the medication ordered.

Note: this is the format to be used for the date:

Date Format	Description
eq2016-01-01	Equal 2016-01-01
gt2016-01-01	Greater than 2016-01-01
ge2016-01-01	Greater than or equal to 2016-01-01
lt2016-01-01	Less than 2016-01-01
le2016-01-01	Less than or equal to 2016-01-01

Observation   Either or combination of the following can be used to search on this endpoint: pid, start, code and category.

Key	Value
pid	pid
start	this is the begin and end date of the Issue.
code	72116-2
category	laboratory

Note: this is the format to be used for the date:

Date Format	Description
eq2016-01-01	Equal 2016-01-01
gt2016-01-01	Greater than 2016-01-01
ge2016-01-01	Greater than or equal to 2016-01-01
lt2016-01-01	Less than 2016-01-01
le2016-01-01	Less than or equal to 2016-01-01

CareTeam   Either or combination of the following can be used to search on this endpoint: pid and start.

Key	Value
pid	pid
date	this is filtered by the encounter date.

Note: care team members are found based on their interaction as recorded in an encounter.

Note: this is the format to be used for the date:

Date Format	Description
eq2016-01-01	Equal 2016-01-01
gt2016-01-01	Greater than 2016-01-01
ge2016-01-01	Greater than or equal to 2016-01-01
lt2016-01-01	Less than 2016-01-01
le2016-01-01	Less than or equal to 2016-01-01

Condition   Either or combination of the following can be used to search on this endpoint:

Id, date.

Key	Value
pid	pid
date	this is filtering on the begin date of the health concern

Note: this is the format to be used for the date:

Date Format	Description
eq2016-01-01	Equal 2016-01-01
gt2016-01-01	Greater than 2016-01-01
ge2016-01-01	Greater than or equal to 2016-01-01
lt2016-01-01	Less than 2016-01-01
le2016-01-01	Less than or equal to 2016-01-01

CarePlan   Either or combination of the following can be used to search on this endpoint:

pid and start.

Key	Value
pid	pid
date	This is filtering on the scheduled date.

Note: this is the format to be used for the date:

Date Format	Description
eq2016-01-01	Equal 2016-01-01
gt2016-01-01	Greater than 2016-01-01
ge2016-01-01	Greater than or equal to 2016-01-01
lt2016-01-01	Less than 2016-01-01
le2016-01-01	Less than or equal to 2016-01-01

DiagnosticReport Either or combination of the following can be used to search on this endpoint: pid and start.

Key	Value
pid	pid
date	This is filtering on the ordered date.

Note: this is the format to be used for the date:

Date Format	Description
eq2016-01-01	Equal 2016-01-01
gt2016-01-01	Greater than 2016-01-01
ge2016-01-01	Greater than or equal to 2016-01-01
lt2016-01-01	Less than 2016-01-01
le2016-01-01	Less than or equal to 2016-01-01

VitalSign Either or combination of the following can be used to search on this endpoint: pid and start.

Key	Value
pid	pid
date	This is filtering on the date all vitals are entered

Note: this is the format to be used for the date:

Date Format	Description
eq2016-01-01	Equal 2016-01-01
gt2016-01-01	Greater than 2016-01-01
ge2016-01-01	Greater than or equal to 2016-01-01
lt2016-01-01	Less than 2016-01-01
le2016-01-01	Less than or equal to 2016-01-01

Device   Either or combination of the following can be used to search on this endpoint:

pid and start.

Key	Value
pid	pid
date	This is filtering on the expiration of the implantable device

Note: this is the format to be used for the date filters:

Date Format	Description
eq2016-01-01	Equal 2016-01-01
gt2016-01-01	Greater than 2016-01-01
ge2016-01-01	Greater than or equal to 2016-01-01
lt2016-01-01	Less than 2016-01-01
le2016-01-01	Less than or equal to 2016-01-01

smokingStatus   Either or combination of the following can be used to search on this endpoint:

pid and date.

Key	Value
pid	pid
date	This is filtering on the date it was entered into the system

Note: this is the format to be used for the date filters:

Date Format	Description
eq2016-01-01	Equal 2016-01-01
gt2016-01-01	Greater than 2016-01-01
ge2016-01-01	Greater than or equal to 2016-01-01
lt2016-01-01	Less than 2016-01-01
le2016-01-01	Less than or equal to 2016-01-01

labResult   Either or combination of the following can be used to search on this endpoint:

pid and date.

Key	Value
pid	pid
date	This is filtering on the date it was ordered

Note: this is the format to be used for the date filters:

Date Format	Description
eq2016-01-01	Equal 2016-01-01
gt2016-01-01	Greater than 2016-01-01
ge2016-01-01	Greater than or equal to 2016-01-01
lt2016-01-01	Less than 2016-01-01
le2016-01-01	Less than or equal to 2016-01-01

ccda   Either or combination of the following can be used to search on this endpoint:

pid and date.

Key	Value
pid	pid
startDate	
endDate	

This endpoint will return a base64 encoded strings which needs to be copied and saved in a text file. You can decode the saved file into a zip file on https://www.base64decode.org. The ccda file and stylesheet will be located inside the zip file after decoding it.