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# Documentation for Patient Access and Provider Directory APIs

Version 2.0

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## 1 Introduction

### Overview

In accordance with the Centers for Medicare and Medicaid Services (“CMS”) Interoperability and Patient Access Final Rule (CMS-9115-F), the Medica Patient Access and Provider Directory APIs allow Medica members to access their claims, encounter, certain clinical, formulary, and provider directory information using registered, third-party client applications. These APIs follow the specifications detailed in the following HL7 FHIR Release 4.0.1 based implementation guides (IGs):

- Patient Access API
  - Claims & Encounter endpoints: [CARIN Implementation Guide for Blue Button 1.0.0 – STU1](#)
  - Clinical endpoints: [Da Vinci Payer Data Exchange Implementation Guide 1.0.0 – STU1](#)
  - Formulary endpoints: [DaVinci PDex US Drug Formulary 1.0.1-STU 1.0.1](#)
- Provider Directory API : [DaVinci PDEX Plan Net 1.0.0-STU1](#)

Please refer to these IGs for additional information on the content and structure of the API responses, along with examples.

## 2 API Access

### Registration

To get access to the APIs, developers should fill out and submit the third party app registration form linked [here](#). After submitting the form, Medica will review the request and if approved, securely send client IDs and secrets.

### Authorization details

<b>Grant Type</b>	Patient Access – Authorization Code Provider Directory – Client Credentials
<b>Auth URL (only used for Patient Access)</b>	<a href="https://auth2.medica.com/nidp/oauth/nam/authz">https://auth2.medica.com/nidp/oauth/nam/authz</a>
<b>Token URL</b>	<a href="https://auth2.medica.com/nidp/oauth/nam/token">https://auth2.medica.com/nidp/oauth/nam/token</a>
<b>Scope(s)</b>	openid (optional for Patient Access, not needed for Provider Directory) patient/*.read (required for both Patient Access and Provider Directory)

### Member picker for Patient Access

When calling the Patient Access API, a login screen will pop up where the user will be required to enter their Medica username and password. If the logged in user has been given consent by other members, a second screen will allow the user to choose the specific member whose data they wish to access. If the user doesn't have consent for any members other than themselves, the member picker won't show up.

## 3 Patient Access API

**Base URL:** <https://api.medica.com/fhir/v1/api>

Details on each endpoint are below.

### 3.1 Coverage

Data that reflect a payer's coverage that was effective as of the date of service or the date of admission of the claim. This resource provides information on coverage details of the member based on Coverage Id passed as URI parameter.

#### I. Technical Details

Endpoint Name	<b>Coverage</b>
FHIR Profile	<a href="http://hl7.org/fhir/us/caribb/StructureDefinition/C4BB-Coverage">http://hl7.org/fhir/us/caribb/StructureDefinition/C4BB-Coverage</a>
Endpoint URL	/Coverage/{coverageId}
Message Format	FHIR+JSON
Input Request Payload	NA
Fault/Error Response	Error code 404 - Resource not found Error code 405 - Method not allowed Error code 415 - Unsupported media type Error code 406 - Not acceptable Error code 400 - Bad request Error code 500 – Internal Server Error  Error code 501 – Method Not Implemented
Method Type (Applicable to REST Service)	GET
PATH PARAM/QUERY PARAM (Applicable to REST Service)	<b>UriParam:</b> <b>/Coverage/{id}</b>



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Minimum Parameters:	<b>Id:</b> id of coverage record <b>Query params not supported</b>
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### II. URI Parameter

Name	Description	Notes
{id}	Coverage Id	

### III. Sample Data – Output Format

<https://build.fhir.org/ig/HL7/carin-bb/Coverage-Coverage1.json.html>

### IV. Data Permissions

/Coverage/{id}: Provides response data based on uri param value requested if that matches the logged in user's coverage id or another member's coverage id who has provided consent to the user logged in. Note: Member chosen from the member picker will be ignored

## 3.2 Patient

This profile builds upon the US Core Patient profile. It is used to convey information about the patient who received the services described on the claim. This resource provide patient information based on member id passed in URI parameter.

### I. Technical Details

Endpoint Name	<b>Patient</b>
FHIR Profiles	<a href="http://hl7.org/fhir/us/carin-bb/StructureDefinition/C4BB-Patient">http://hl7.org/fhir/us/carin-bb/StructureDefinition/C4BB-Patient</a> <a href="http://hl7.org/fhir/us/core/StructureDefinition/us-core-patient">http://hl7.org/fhir/us/core/StructureDefinition/us-core-patient</a>
Endpoint URLs	/Patient /Patient/{id} /Patient?{query_params}
Message Format	FHIR+JSON
Input Request Payload	NA

Fault/Error Response	Error code 404 - Resource not found Error code 405 - Method not allowed Error code 406 - Not acceptable Error code 400 - Bad request Error code 500 – Internal Server Error  Error code 501 – Method Not Implemented
Method Type (Applicable to REST Service)	GET
PATH PARAM/QUERY PARAM (Applicable to REST Service)  Minimum Parameters:	<a href="https://www.hl7.org/fhir/patient.html#search">https://www.hl7.org/fhir/patient.html#search</a>  <b>QUERY PARAMs:</b> <b>/Patient -</b> <b>family:</b> Family name of the member <b>name:</b> Any part of name <b>gender:</b> Gender of the member <b>birthdate:</b> Birthdate of Patient <b>_id:</b> A patient identifier <b>identifier:</b> A patient identifier  <b>URI PARAM:</b> member ID (REQUIRED) <b>/Patient/{id}</b>

II. Query Params

Name	Description	Notes
Birthdate	The patient's date of birth "yyyy-mm-dd"	
Family	A portion of the family name of the patient	
Gender	Gender of the patient	
Identifier	A patient identifier	
Name	A portion of either family or given name of the patient	
_id	Member Id	
Active	Whether the patient record is active	
_reinclude	to include provenance response	

III. URI Parameter

Name	Description	Notes
{id}	Patient Id	

IV. Sample Data – Output Format

<https://build.fhir.org/ig/HL7/carin-bb/Patient-ExamplePatient1.json.html>

V. Data Permissions

- a) /Patient: Provides response data for the member chosen in the member picker page or the logged in user if the member picker page wasn't presented.
- b) /Patient?queryparams: Provides response data based on queryparams value requested if that matches the logged in user data or another member's data who has provided consent to the user logged in.

Note: Member chosen from the member picker will be ignored

- c) /Patient/{id}: Provides response data based on uriparam value requested if that matches the logged in user id or another member's id who has provided consent to the user logged in.

Note: Member chosen from the member picker will be ignored

3.3 Explanation of Benefits

This resource provides information on Benefits in claims for members based on member ID passed in Query Parameters

I. Technical Details

Endpoint Name	EOB
FHIR Profiles	<a href="http://hl7.org/fhir/us/carin-bb/StructureDefinition/C4BB-ExplanationOfBenefit-Inpatient-Institutional">http://hl7.org/fhir/us/carin-bb/StructureDefinition/C4BB-ExplanationOfBenefit-Inpatient-Institutional</a>  <a href="http://hl7.org/fhir/us/carin-bb/StructureDefinition/C4BB-ExplanationOfBenefit-Outpatient-Institutional">http://hl7.org/fhir/us/carin-bb/StructureDefinition/C4BB-ExplanationOfBenefit-Outpatient-Institutional</a>  <a href="http://hl7.org/fhir/us/carin-bb/StructureDefinition/C4BB-ExplanationOfBenefit-Pharmacy">http://hl7.org/fhir/us/carin-bb/StructureDefinition/C4BB-ExplanationOfBenefit-Pharmacy</a>  <a href="http://hl7.org/fhir/us/carin-bb/StructureDefinition/C4BB-ExplanationOfBenefit-Professional-NonClinician">http://hl7.org/fhir/us/carin-bb/StructureDefinition/C4BB-ExplanationOfBenefit-Professional-NonClinician</a>
Endpoint URLs	/ExplanationOfBenefit

	/ExplanationOfBenefit?{query_params}  /ExplanationOfBenefit/{id}
Message Format	FHIR+JSON
Input Request Payload	NA
Fault/Error Response	Error code 404 - Resource not found Error code 405 - Method not allowed Error code 415 - Unsupported media type Error code 406 - Not acceptable Error code 400 - Bad request Error code 500 – Internal Server Error  Error code 501 – Method Not Implemented
Method Type (Applicable to REST Service)	GET
PATH PARAM/QUERY PARAM (Applicable to REST Service)  Minimum Parameters:	<a href="https://build.fhir.org/ig/HL7/carin-bb/searchparameters.html">https://build.fhir.org/ig/HL7/carin-bb/searchparameters.html</a> <b>QueryParam:</b> <b>patient:</b> The reference to the patient <b>_lastUpdated:</b> last updated date <b>service-date:</b> date of service <b>type:</b> Type of Claim <b>identifier:</b> The reference to the claim  <b>_id:</b> resource id of eob  <b>UriParam:</b>  <b>Id:</b> id of eob record  <b>/ExplanationOfBenefit/{id}</b>

II. Query Parameter

Name	Description	Notes
identifier	Claim id	optional Field
Patient	Member ID	Optional Field (We can pass only memberId of that user in query Parameter)
Type	Institutional, Pharmacy, Professional	Institutional – Inpatient & Outpatient Institutional Profile Pharmacy – Pharmacy Profile professional – Professional Profile
_lastUpdated	yyyy-MM-dd	Will fetch Records with given lastupdatedDate

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<b>_id</b>		resource id of eob
service-date	yyyy-MM-dd	By default we will get records with service date >= 2016-01-01. If we pass the date then it will fetch records with given service date. Date should be > 2016-01-01

### III. URI Parameter

Name	Description	Notes
{id}	EOB of ID	

### IV. Sample Data – Output Format

- Inpatient - <https://build.fhir.org/ig/HL7/carin-bb/ExplanationOfBenefit-EOBInpatient1.html>
- Outpatient - <https://build.fhir.org/ig/HL7/carin-bb/ExplanationOfBenefit-EOBOutpatientInstitutional1.html>
- Pharmacy - <https://build.fhir.org/ig/HL7/carin-bb/ExplanationOfBenefit-EOBPharmacy1.html>
- Professional - <https://build.fhir.org/ig/HL7/carin-bb/ExplanationOfBenefit-ProfessionalEOBExample1.html>

### V. Data Permissions

- /EOB: Provides response data for the member chosen in the member picker page or the logged in user if the member picker page wasn't presented.
- /EOB?queryparams: Provides response data based on queryparams value requested if that matches the logged in user data or another member's data who has provided consent to the user logged in.  
Note: Member chosen from the member picker will be ignored
- /EOB/{id}: Provides response data based on uri param value requested if that matches the logged in user's claim id or another member's claim id who has provided consent to the user logged in.  
Note: Member chosen from the member picker will be ignored

## 3.4 Condition

This profile builds upon the US Core Condition profile. It is used to convey information about a condition, problem, diagnosis, or other event, situation, issue, or clinical concept about the patient who received the services. This resource provide condition information based on member id passed in query param or resource id as uri param.

I. Technical Details

Endpoint Name	<b>Condition</b>
FHIR Profile	<a href="https://www.hl7.org/fhir/us/core/StructureDefinition-us-core-condition.html">https://www.hl7.org/fhir/us/core/StructureDefinition-us-core-condition.html</a>
Endpoint URLs	/Condition /Condition/{id} /Condition?{query_params}
Message Format	FHIR+JSON
Input Request Payload	NA
Fault/Error Response	Error code 404 - Resource not found Error code 405 - Method not allowed Error code 406 - Not acceptable Error code 400 - Bad request Error code 500 – Internal Server Error Error code 501 – Method Not Implemented
Method Type (Applicable to REST Service)	GET
PATH PARAM/QUERY PARAM (Applicable to REST Service)  Minimum Parameters:	<b>QUERY PARAMS:</b> <b>/Condition -</b> <b>patient:</b> A unique identifier for a Patient <b>_revinclude:</b> to include provenance response  <b>URI PARAM:</b> <b>/Condition/{id} -</b> <b>id:</b> resource id for condition

II. Query parameter

Name	Description	Notes
Patient	Member ID	Optional Field
_revinclude	To fetch the associated provenance data	Optional Field

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## III. URI Parameter

Name	Description	Notes
{id}	Condition of Id	

## IV. Sample Data – Output Format

<https://www.hl7.org/fhir/us/core/Condition-example.json.html>

## V. Data Permissions

- a) /Condition: Provides response data for the member chosen in the member picker page or the logged in user if the member picker page wasn't presented.
- b) /Condition?queryparams: Provides response data based on queryparams value requested if that matches the logged in user data or another member's data who has provided consent to the user logged in.  
Note: Member chosen from the member picker will be ignored
- c) /Condition/{id}: Provides response data based on uri param value requested if that matches the logged in user id or another member's id who has provided consent to the user logged in.  
Note: Member chosen from the member picker will be ignored

## 3.5 Procedure

This profile builds upon the US Core Procedure profile. It is used to convey information about the current and historical procedures performed on, with, or for a patient as part of the provision of care. This resource provide procedure information based on member id passed in query param or resource id as uri param.

## I. Technical Details

API Name	<b>Procedure</b>
FHIR Profile	<a href="https://www.hl7.org/fhir/us/core/StructureDefinition-us-core-procedure.html">https://www.hl7.org/fhir/us/core/StructureDefinition-us-core-procedure.html</a>
Endpoint URLs	/Procedure /Procedure/{id} /Procedure?{query_params}
Message Format	FHIR+JSON
Input Request Payload	NA

Fault/Error Response	Error code 404 - Resource not found Error code 405 - Method not allowed Error code 406 - Not acceptable Error code 400 - Bad request Error code 500 – Internal Server Error Error code 501 – Method Not Implemented
Method Type (Applicable to REST Service)	GET
PATH PARAM/QUERY PARAM (Applicable to REST Service)  Minimum Parameters:	<b>QUERY PARAMs:</b> <b>/Procedure -</b> <b>patient:</b> A unique identifier for a Patient <b>_revinclude:</b> to include provenance response <b>date:</b> date of when procedure was performed  <b>URI PARAM:</b> <b>/Procedure/{id} -</b> <b>id:</b> resource id for procedure

II. Query Parameters

Name	Description	Notes
Patient	Member ID	Optional Field
_revinclude	To fetch the associated provenance data	Optional Field
Date	Date of when procedure was performed	Optional Field Format: {gt lt ge le}[date] [Date]: yyyy-mm-dd Example : gt2019-01-20

III. URI Parameter

Name	Description	Notes
{id}	Procedure of Id	

IV. Sample Data – Output Format

<http://hl7.org/fhir/us/core/STU4/Procedure-rehab.json.html>

V. Data Permissions

- a) /Procedure: Provides response data for the member chosen in the member picker page or the logged in user if the member picker page wasn't presented.



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- b) /Procedure?queryparams: Provides response data based on queryparams value requested if that matches the logged in user data or another member's data who has provided consent to the user logged in.  
Note: Member chosen from the member picker will be ignored
- c) /Procedure/{id}: Provides response data based on uri param value requested if that matches the logged in user id or another member's id who has provided consent to the user logged in.  
Note: Member chosen from the member picker will be ignored

### 3.6 CareTeam

This profile builds upon the US Core CareTeam profile. It is used to convey information about all the people, teams, and organizations who plan to participate in the coordination and delivery of care for a single patient or a group. This resource provide careteam information based on member id passed in query param or resource id as uri param.

#### I. Technical Details

Endpoint Name	<b>CareTeam</b>
FHIR Profile	<a href="http://hl7.org/fhir/us/core/StructureDefinition/us-core-careteam">http://hl7.org/fhir/us/core/StructureDefinition/us-core-careteam</a>
Endpoint URLs	/CareTeam /CareTeam/{id} /CareTeam?{query_params}
Message Format	FHIR+JSON
Input Request Payload	NA
Fault/Error Response	Error code 404 - Resource not found Error code 405 - Method not allowed Error code 406 - Not acceptable Error code 400 - Bad request Error code 500 – Internal Server Error  Error code 501 – Method Not Implemented
Method Type (Applicable to REST Service)	GET
PATH PARAM/QUERY PARAM (Applicable to REST Service)  Minimum Parameters:	<b>QUERY PARAMS:</b> <b>/CareTeam -</b> <b>patient:</b> A unique identifier for a Patient <b>_revinclude:</b> to include provenance response <b>status:</b> Indicates the current state of the care team

	<b>URI PARAM:</b> <b>/CareTeam/{id} -</b> <b>id:</b> resource id for careteam
--	---

II. Query Parameters

Name	Description	Notes
Patient	Member ID	Optional Field
_revinclude	To fetch the associated provenance data	Optional Field
Status	Current state of the careteam	Optional Field Possible value supported :active Example status=active

III. URI Parameter

Name	Description	Notes
{id}	Careteam Id	

IV. Sample Data – Output Format

<http://hl7.org/fhir/us/core/STU4/CareTeam-example.json.html>

V. Data Permissions

- a) /CareTeam: Provides response data for the member chosen in the member picker page or the logged in user if the member picker page wasn't presented.
- b) /CareTeam?queryparams: Provides response data based on queryparams value requested if that matches the logged in user data or another member's data who has provided consent to the user logged in.  
Note: Member chosen from the member picker will be ignored
- c) /CareTeam/{id}: Provides response data based on uriparam value requested if that matches the logged in user id or another member's id who has provided consent to the user logged in. Note: Member chosen from the member picker will be ignored

3.7 Encounter

This profile builds upon the US Core Encounter profile. It is used to convey information about interaction between a patient and healthcare provider(s) for the purpose of providing healthcare service(s) or assessing the health status of a patient. This resource provide encounter information based on member id passed in query param or resource id as uri param.

## I. Technical Details

Endpoint Name	<b>Encounter</b>
FHIR Profile	<a href="http://hl7.org/fhir/us/core/StructureDefinition/us-core-encounter">http://hl7.org/fhir/us/core/StructureDefinition/us-core-encounter</a>
Endpoint URLs	/Encounter /Encounter/{id} /Encounter?{query_params}
Message Format	FHIR+JSON
Input Request Payload	NA
Fault/Error Response	Error code 404 - Resource not found Error code 405 - Method not allowed Error code 406 - Not acceptable Error code 400 - Bad request Error code 500 – Internal Server Error Error code 501 – Method Not Implemented
Method Type (Applicable to REST Service)	GET
PATH PARAM/QUERY PARAM (Applicable to REST Service)  Minimum Parameters:	<b>QUERY PARAMs:</b> <b>/Encounter -</b> <b>patient:</b> A unique identifier for a Patient <b>_revinclude:</b> to include provenance response <b>date:</b> Time of the encounter <b>_id:</b> A unique identifier for the encounter  <b>URI PARAM:</b> <b>/Encounter/{id} -</b> <b>id:</b> resource id for encounter

## II. Query Parameters

Name	Description	Notes
Patient	Member ID	Optional Field
_revinclude	To fetch the associated provenance data	Optional Field
Date	Date of the encounter	Optional Field Format: {gt lt ge le}[date] [Date]: yyyy-mm-dd Example : gt2019-01-20

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_id	Unique identifier for the encounter	Optional Field
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### III. URI Parameter

Name	Description	Notes
{id}	Encounter Id	

### IV. Sample Data – Output Format

<http://hl7.org/fhir/us/core/STU4/Encounter-example-1.json.html>

### V. Data Permissions

- /Encounter: Provides response data for the member chosen in the member picker page or the logged in user if the member picker page wasn't presented.
- /Encounter?queryparams: Provides response data based on queryparams value requested if that matches the logged in user data or another member's data who has provided consent to the user logged in.  
Note: Member chosen from the member picker will be ignored
- /Encounter/{id}: Provides response data based on uri param value requested if that matches the logged in user id or another member's id who has provided consent to the user logged in. Note: Member chosen from the member picker will be ignored

## 3.8 MedicationDispense

This profile builds upon the Pdex Medication Dispense profile. It is used to convey information about a medication product is to be or has been dispensed for a named person/patient . This resource provide medication dispense information based on member id passed in query param or resource id as uri param.

### I. Technical Details

Endpoint Name	<b>Medication Dispense</b>
FHIR Profile	<a href="http://hl7.org/fhir/us/davinci-pdex/StructureDefinition/pdex-medicationdispense">http://hl7.org/fhir/us/davinci-pdex/StructureDefinition/pdex-medicationdispense</a>
Endpoint URLs	/MedicationDispense /MedicationDispense/{id} /MedicationDispense?{query_params}
Message Format	FHIR+JSON

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Input Request Payload	NA
Fault/Error Response	Error code 404 - Resource not found Error code 405 - Method not allowed Error code 406 - Not acceptable Error code 400 - Bad request Error code 500 – Internal Server Error  Error code 501 – Method Not Implemented
Method Type (Applicable to REST Service)	GET
PATH PARAM/QUERY PARAM (Applicable to REST Service)  Minimum Parameters:	<b>QUERY PARAMs:</b> <b>/MedicationDispense -</b> <b>patient:</b> A unique identifier for a Patient <b>_revininclude:</b> to include provenance response  <b>URI PARAM:</b> <b>/MedicationDispense/{id} -</b> <b>id:</b> resource id for medication dispense

## II. Query Parameters

Name	Description	Notes
Patient	Member ID	Optional Field
_revininclude	To fetch the associated provenance data	Optional Field

## III. URI Parameter

Name	Description	Notes
{id}	medication dispense Id	

## IV. Sample Data – Output Format

<http://hl7.org/fhir/us/davinci-pdex/STU1/MedicationDispense-1000001.json.html>

## V. Data Permissions

- /MedicationDispense: Provides response data for the member chosen in the member picker page or the logged in user if the member picker page wasn't presented.
- /MedicationDispense?queryparams: Provides response data based on queryparams value requested if that matches the logged in user data or another member's data who has provided consent to the user logged in.

Note: Member chosen from the member picker will be ignored

- c) /MedicationDispense/{id}: Provides response data based on uriparam value requested if that matches the logged in user id or another member’s id who has provided consent to the user logged in. Note: Member chosen from the member picker will be ignored

### 3.9 AllergyIntolerance

This profile builds upon the US core AllergyIntolerance profile. It is used to convey information about allergies/adverse reactions associated with a patient. This resource provide allergy intolerance information based on member id passed in query param or resource id as uri param.

#### I. Technical Details

Endpoint Name	<b>Allergy Intolerance</b>
FHIR Profile	<a href="http://hl7.org/fhir/us/core/STU4/StructureDefinition-us-core-allergyintolerance.html">http://hl7.org/fhir/us/core/STU4/StructureDefinition-us-core-allergyintolerance.html</a>
Endpoint URLs	/AllergyIntolerance /AllergyIntolerance/{id} /AllergyIntolerance?{query_params}
Message Format	FHIR+JSON
Input Request Payload	NA
Fault/Error Response	Error code 404 - Resource not found Error code 405 - Method not allowed Error code 406 - Not acceptable Error code 400 - Bad request Error code 500 – Internal Server Error Error code 501 – Method Not Implemented
Method Type (Applicable to REST Service)	GET
PATH PARAM/QUERY PARAM (Applicable to REST Service)  Minimum Parameters:	<b>QUERY PARAMS:</b> <b>/AllergyIntolerance -</b> <b>patient:</b> A unique identifier for a Patient <b>_revinclude:</b> to include provenance response  <b>URI PARAM:</b> <b>/AllergyIntolerance/{id} -</b> <b>id:</b> resource id for allergy intolerance

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## II. Query Parameters

Name	Description	Notes
Patient	Member ID	Optional Field
_reinclude	To fetch the associated provenance data	Optional Field

## III. URI Parameter

Name	Description	Notes
{id}	Allergyintolerance Id	

## IV. Sample Data – Output Format

<http://hl7.org/fhir/us/core/STU4/AllergyIntolerance-example.json.html>

## V. Data Permissions

- /AllergyIntolerance: Provides response data for the member chosen in the member picker page or the logged in user if the member picker page wasn't presented.
- /AllergyIntolerance?queryparams: Provides response data based on queryparams value requested if that matches the logged in user data or another member's data who has provided consent to the user logged in.  
Note: Member chosen from the member picker will be ignored
- /AllergyIntolerance/{id}: Provides response data based on uriparam value requested if that matches the logged in user id or another member's id who has provided consent to the user logged in. Note: Member chosen from the member picker will be ignored

## 3.10 CarePlan

This profile builds upon the US core CarePlan profile. It is used to convey information about assessment and plan of treatment data associated with a patient. This resource provides care plan information based on member id passed in query param or resource id as uri param.

### I. Technical Details

Endpoint Name	<b>Care Plan</b>
FHIR Profile	<a href="http://hl7.org/fhir/us/core/StructureDefinition/us-core-careplan">http://hl7.org/fhir/us/core/StructureDefinition/us-core-careplan</a>
Endpoint URLs	/CarePlan /CarePlan/{id}

	/CarePlan?{query_params}
Message Format	FHIR+JSON
Input Request Payload	NA
Fault/Error Response	Error code 404 - Resource not found Error code 405 - Method not allowed Error code 406 - Not acceptable Error code 400 - Bad request Error code 500 – Internal Server Error  Error code 501 – Method Not Implemented
Method Type (Applicable to REST Service)	GET
PATH PARAM/QUERY PARAM (Applicable to REST Service)  Minimum Parameters:	<b>QUERY PARAMS:</b> /CarePlan - <b>patient:</b> A unique identifier for a Patient <b>_revinclude:</b> to include provenance response  <b>URI PARAM:</b> /CarePlan/{id} - <b>id:</b> resource id for care plan

II. Query Parameters

Name	Description	Notes
Patient	Member ID	Optional Field
_revinclude	To fetch the associated provenance data	Optional Field
category	Type of plan	

III. URI Parameter

Name	Description	Notes
{id}	Careplan Id	

IV. Sample Data – Output Format

<http://hl7.org/fhir/us/core/STU4/AllergyIntolerance-example.json.html>

V. Data Permissions

- a) /CarePlan: Provides response data for the member chosen in the member picker page or the logged in user if the member picker page wasn't presented.



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- b) /CarePlan?queryparams: Provides response data based on queryparams value requested if that matches the logged in user data or another member's data who has provided consent to the user logged in.  
Note: Member chosen from the member picker will be ignored
- c) /CarePlan/{id}: Provides response data based on uriparam value requested if that matches the logged in user id or another member's id who has provided consent to the user logged in. Note: Member chosen from the member picker will be ignored

### 3.11 Provenance

This profile builds upon the US Core Provenance profile. It is used to convey information about the activity that created, revised, deleted, or signed a version of a resource, describing the entities and agents involved. This resource provide provenance information based on resource id passed as uri param.

#### I. Technical Details

Endpoint Name	<b>Provenance</b>
FHIR Profile	<a href="http://hl7.org/fhir/us/core/StructureDefinition/us-core-provenance">http://hl7.org/fhir/us/core/StructureDefinition/us-core-provenance</a>
Endpoint URLs	/Provenance/{id}
Message Format	FHIR+JSON
Input Request Payload	NA
Fault/Error Response	Error code 404 - Resource not found Error code 405 - Method not allowed Error code 406 - Not acceptable Error code 400 - Bad request Error code 500 – Internal Server Error  Error code 501 – Method Not Implemented
Method Type (Applicable to REST Service)	GET
PATH PARAM/QUERY PARAM (Applicable to REST Service)	<b>URI PARAM:</b> <b>/Provenance/{id}</b> -
Minimum Parameters:	<b>id:</b> resource id for provenance

#### II. URI Parameter

Name	Description	Notes
{id}	Provenance Id	

III. Sample Data – Output Format

<http://hl7.org/fhir/us/core/STU4/Bundle-c887e62f-6166-419f-8268-b5ecd6c7b901.json.html>

IV. Data Permissions

- a) /Provenance/{id}: Provides response data based on uri param value requested if that matches the logged in user id or another member’s id who has provided consent to the user logged in. Note: Member chosen from the member picker will be ignored

3.12 Practitioner

This profile builds upon the US Core Practitioner profile. It is used to convey information about the practitioner who provided to the patient services described on the claim. This resource provides practitioner information based on practitioner Id passed in uri parameter.

I. Technical Details

Endpoint Name	<b>Practitioner</b>
FHIR Profile	<a href="http://hl7.org/fhir/us/car-in-bb/StructureDefinition/C4BB-Practitioner">http://hl7.org/fhir/us/car-in-bb/StructureDefinition/C4BB-Practitioner</a> <a href="http://hl7.org/fhir/us/core/StructureDefinition/us-core-practitioner">http://hl7.org/fhir/us/core/StructureDefinition/us-core-practitioner</a>
Endpoint URLs	/Practitioner/{id}
Message Format	FHIR+JSON
Input Request Payload	NA
Fault/Error Response	Error code 404 - Resource not found Error code 405 - Method not allowed Error code 415 - Unsupported media type Error code 406 - Not acceptable Error code 400 - Bad request Error code 500 – Internal Server Error
Method Type (Applicable to REST Service)	GET
PATH PARAM/QUERY PARAM (Applicable to REST Service)	<a href="https://www.hl7.org/fhir/practitioner.html#search">https://www.hl7.org/fhir/practitioner.html#search</a> <b>URI Parameter:</b>

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Minimum Parameters:	<b>Practitioner ID</b> : Fetch practitioner details for id <b>QueryParam</b> : Not Available
---------------------	---

### II. Query Parameter

Name	Description	Notes
_revinclude	Include the provenance Resource	

### III. URI Parameter

Name	Description	Notes
Practitioner ID	ID of the practitioner	

### IV. Sample Data – Output Format

<https://build.fhir.org/ig/HL7/carin-bb/Practitioner-Practitioner1.html>

### V. Data Permissions

No restrictions

## 3.13 Organization

An organization is a formal or informal grouping of people or organizations with a common purpose, such as a company, institution, corporation, community group, or healthcare practice. This resource provides Organization information based on organization Id passed in uri parameter.

### I. Technical Details

Endpoint Name	<b>Organization</b>
FHIR Profile	<a href="http://hl7.org/fhir/us/carin-bb/StructureDefinition/C4BB-Organization">http://hl7.org/fhir/us/carin-bb/StructureDefinition/C4BB-Organization</a> <a href="http://hl7.org/fhir/us/core/StructureDefinition/us-core-organization">http://hl7.org/fhir/us/core/StructureDefinition/us-core-organization</a>
Endpoint URL	/Organization/{id}

Message Format	FHIR+JSON
Input Request Payload	NA
Fault/Error Response	Error code 404 - Resource not found Error code 405 - Method not allowed Error code 406 - Not acceptable Error code 400 - Bad request Error code 500 – Internal Server Error  Error code 501- Method Not Implemented
Method Type (Applicable to REST Service)	GET
PATH PARAM/QUERY PARAM (Applicable to REST Service) Minimum Parameters:	<b>URI Parameter:</b> <b>OrganizationId</b> : Fetch organization details for id  <b>QueryParams: Not Available</b>

II. Query Parameter

Name	Description	Notes
_reinclude	Include the provenance Resource	

III. URI Parameter

Name	Description	Notes
OrganizationId	id of the organization	
NetworkId	Id for the Network	

IV. Sample Data – Output Format

<https://build.fhir.org/ig/HL7/carin-bb/Organization-OrganizationProvider1.html>

No restrictions.

3.14 List (CoveragePlan - part of Formulary)

A health plan which contains links to administrative information, a list of formulary drugs covered under that plan, and a definition of drug tiers and their associated cost-sharing models. This resource provides Coverage Plan information based on listId passed in uri parameter.

**Note: This endpoint has a different base URL than the other Patient Access endpoints:**

**<https://api.medica.com/fhir/provider/v1/api>**

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## I. Technical Details

Endpoint Name	<b>List</b>
FHIR Profile	<a href="http://hl7.org/fhir/us/davinci-drug-formulary/StructureDefinition/usdf-CoveragePlan">http://hl7.org/fhir/us/davinci-drug-formulary/StructureDefinition/usdf-CoveragePlan</a>
Endpoint URLs	/List /List/{id} /List?{query_params}
Message Format	FHIR+JSON
Input Request Payload	NA
Fault/Error Response	Error code 404 - Resource not found Error code 405 - Method not allowed Error code 415 - Unsupported media type Error code 406 - Not acceptable Error code 400 - Bad request Error code 500 – Internal Server Error
Method Type (Applicable to REST Service)	GET
PATH PARAM/QUERY PARAM (Applicable to REST Service)	<a href="http://hl7.org/fhir/us/Davinci-drug-formulary/">http://hl7.org/fhir/us/Davinci-drug-formulary/</a>
Minimum Parameters:	At least one query parameter should be passed: _id identifier item title

## II. Query Parameter

Name	Description	Notes
<b>Coverage Plan:</b> <b>List : at least one query parameter should be passed</b> _id, identifier,item,title	id of the coverageplan	

## III. URI Parameter

Name	Description	Notes
List ID	id of the coverageplan	

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## IV. Sample Data – Output Format

CoveragePlan - <http://hl7.org/fhir/us/davinci-drug-formulary/List-covplanV1002.json.html>

## V. Data Permissions

No restrictions.

### 3.15 MedicationKnowledge (part of Formulary)

This resource provides the drug information which is part of a formulary. This resource provides Formulary Drug information based on medicationKnowledgeId passed in uri parameter.

**Note: This endpoint has a different base URL than the other Patient Access endpoints:**

<https://api.medica.com/fhir/provider/v1/api>

#### I. Technical Details

<b>Endpoint Name</b>	<b>MedicationKnowledge</b>
<b>FHIR Profile</b>	<a href="http://hl7.org/fhir/us/davinci-drug-formulary/StructureDefinition/usdf-FormularyDrug">http://hl7.org/fhir/us/davinci-drug-formulary/StructureDefinition/usdf-FormularyDrug</a>
<b>Endpoint URLs</b>	/MedicationKnowledge /MedicationKnowledge/{id} /MedicationKnowledge?{query_params}
<b>Message Format</b>	FHIR+JSON
<b>Input Request Payload</b>	NA
<b>Fault/Error Response</b>	Error code 404 - Resource not found Error code 405 - Method not allowed Error code 415 - Unsupported media type Error code 406 - Not acceptable Error code 400 - Bad request Error code 500 – Internal Server Error
<b>Method Type (Applicable to REST Service)</b>	GET
<b>PATH PARAM/QUERY PARAM (Applicable to REST Service)</b>	<a href="http://hl7.org/fhir/us/Davinci-drug-formulary/">http://hl7.org/fhir/us/Davinci-drug-formulary/</a> _id
<b>Minimum Parameters:</b>	Code

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## II. Query Parameter

Name	Description	Notes
_id , code	id of the Formulary	

## III. URI Parameter

Name	Description	Notes
MedicationKnowledge ID	id of the Formulary	

## IV. Sample Data – Output Format

<http://hl7.org/fhir/us/davinci-drug-formulary/MedicationKnowledge-cmsip9.json.html>

## V. Data Permissions

No restrictions.

### 3.16 PractitionerRole

PractitionerRole describes details about a provider, which can be a practitioner or an organization. When the provider is a practitioner, there may be a relationship to an organization. A provider renders services to patients at a location. When the provider is a practitioner, there may also be a relationship to an organization. Practitioner participation in healthcare provider insurance networks may be direct or through their role at an organization. This resource provides practitionerRole information based on practitionerRoleId passed in uri parameter.

## I. Technical Details

Endpoint Name	PractitionerRole
FHIR Profile	<a href="http://hl7.org/fhir/us/core/StructureDefinition/us-core-practitionerrole">http://hl7.org/fhir/us/core/StructureDefinition/us-core-practitionerrole</a>
Endpoint URLs	/PractitionerRole?{query_params} /PractitionerRole/{id}
Message Format	FHIR+JSON
Input Request Payload	NA
Fault/Error Response	Error code 404 - Resource not found Error code 405 - Method not allowed Error code 415 - Unsupported media type Error code 406 - Not acceptable Error code 400 - Bad request Error code 500 – Internal Server Error

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	Error code 501 – Method not Implemented
Method Type (Applicable to REST Service)	GET
PATH PARAM/QUERY PARAM (Applicable to REST Service)	<a href="https://www.hl7.org/fhir/practitionerrole.html#search">https://www.hl7.org/fhir/practitionerrole.html#search</a>
Minimum Parameters:	<p><b>QueryParam:</b></p> <ul style="list-style-type: none"> <li><b>name:</b> The organization name</li> <li><b>location:</b> The location postalCode</li> <li><b>practitioner:</b> The name associated with practitioner</li> <li><b>specialty:</b> The healthcareservice specialty</li> <li><b>network:</b> The health insurance provider network</li> </ul> <p><b>UriParam:</b> Resource id of practitioner role</p> <p><b>/PractitionerRole/{id}</b></p>

### II. Query Parameter

Name	Description	Notes
_revinclude	Include the provenance Resource	

### III. URI Parameter

Name	Description	Notes
{id}	Practitionerrole Id	

### IV. Sample Data – Output Format

<https://build.fhir.org/ig/HL7/davinci-pdex-plan-net/PractitionerRole-AnonRole.html>

### V. Data Permissions

No restrictions

## 3.17 Capability Statement

/metadata: This resource provides "Patient Access API's" capability statement information as bundle response.



I. Technical Details

Endpoint Name	Capability Statement
Endpoint URL	/metadata
Message Format	FHIR+JSON
Input Request Payload	NA
Fault/Error Response	Error code 404 - Resource not found Error code 405 - Method not allowed Error code 406 - Not acceptable Error code 400 - Bad request Error code 500 – Internal Server Error  Error code 501 – Method Not Implemented
Method Type (Applicable to REST Service)	GET
PATH PARAM/QUERY PARAM (Applicable to REST Service)	Query Parameter: NA URI Parameter: NA
Minimum Parameters:	

II. Query Parameter

None

III. URI Parameter

None

IV. Sample Data – Output Format

<https://www.hl7.org/fhir/capabilitystatement-base.json.html>

V. Data Permissions

No restrictions

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## 4 Provider Directory API

**Base URL:** <https://api.medica.com/fhir/providerdirectory/v1/api>

Details on each endpoint are below.

### 4.1 Location

A Location is the physical place where healthcare services are provided, practitioners are employed, organizations are based, etc. Locations can range in scope from a room in a building to a geographic region/area. This resource provides location information based on location id passed in uri parameter.

#### I. Technical Details

Endpoint Name	<b>Location</b>
FHIR Profile	<a href="http://hl7.org/fhir/us/davinci-pdex-plan-net/StructureDefinition/plannet-Location">http://hl7.org/fhir/us/davinci-pdex-plan-net/StructureDefinition/plannet-Location</a>
Endpoint URLs	/Location /Location/{id} /Location?{query_params}
Message Format	FHIR+JSON
Input Request Payload	NA
Fault/Error Response	Error code 404 - Resource not found Error code 405 - Method not allowed Error code 406 - Not acceptable Error code 400 - Bad request  Error code 415 – Not implemented Error code 500 – Internal Server Error  Error code 501 – Method Not Implemented
Method Type (Applicable to REST Service)	GET
PATH PARAM/QUERY PARAM (Applicable to REST Service) Minimum Parameters:	<b>URI Parameter:</b> <b>locationId</b> : Fetch location details for locationId <b>QueryParams:</b> <b>address</b> : A (part of the) address of the location <b>address-city</b> : A city specified in an address <b>address-postalcode</b> : A postalCode specified in an address

	<p><b>address-state:</b> A state specified in an address</p> <p><b>organization:</b> Searches for locations that are managed by the provided organization</p> <p><b>partof:</b> A location of which this location is a part</p> <p><b>type:</b> A code for the type of location</p> <p><b>_count:</b> The number of records</p> <p><b>_getpagesoffset:</b> The records number to start with</p>
--	---

II. Query Parameter

Name	Description	Notes(expression)
_count	The number of records	
_getpagesoffset	The records number to start with	
Type	type of a bundle response entry	Location.type
address	address of a bundle response entry	Location.address
address-postalcode	postalCode of a bundle response entry	Location.address.postalCode
address-state	state of a bundle response entry	Location.address.state
address-city	city of a bundle response entry	Location.address.city
Part of	partOf of a bundle response entry	Location.partOf
Organization	organization of a bundle response entry	Location.managingOrganization
Endpoint	endpoint of a bundle response entry	Location.endpoint

III. URI Parameter

Name	Description	Notes
locationId	Location Id of the practitioner	

IV. Sample Data – Output Format

<https://build.fhir.org/ig/HL7/davinci-pdex-plan-net/Location-HansSoloClinic.html>

V. Data Permissions

No restrictions.

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## 4.2 Practitioner

This profile builds upon the US Core Practitioner profile. It is used to convey information about the practitioner who provided to the patient services described on the claim. This resource provides practitioner information based on practitioner Id passed in uri parameter.

### I. Technical Details

Endpoint Name	<b>Practitioner</b>
FHIR Profile	<a href="http://hl7.org/fhir/us/davinci-pdex-plan-net/StructureDefinition/plannet-Practitioner">http://hl7.org/fhir/us/davinci-pdex-plan-net/StructureDefinition/plannet-Practitioner</a>
Endpoint URLs	/Practitioner /Practitioner/{id} /Practitioner?{query_params}
Message Format	FHIR+JSON
Input Request Payload	NA
Fault/Error Response	Error code 404 - Resource not found Error code 405 - Method not allowed Error code 415 - Unsupported media type Error code 406 - Not acceptable Error code 400 - Bad request Error code 500 – Internal Server Error
Method Type (Applicable to REST Service)	GET
PATH PARAM/QUERY PARAM (Applicable to REST Service) Minimum Parameters:	<a href="https://www.hl7.org/fhir/practitioner.html#search">https://www.hl7.org/fhir/practitioner.html#search</a> <b>URI Parameter:</b> <b>Practitioner ID</b> : Fetch practitioner details for i <b>QueryParam:</b> <b>name:</b> name of the practitioner <b>identifier:</b> identifier of the practitioner <b>family:</b> Last Name of the Provider you are looking for <b>given:</b> First Name of the Provider you are looking for <b>_count:</b> the number of records <b>_getpagesoffset:</b> The records number to start with

II. URI Parameter

Name	Description	Notes
Practitioner ID	ID of the practitioner	

III. Query Parameter

Name	Description	Notes
Name	name of the practitioner	
_count	The number of record	
_getpagesoffset	The records number to start with	
Family	Last Name of the Provider you are looking for	
Given	First Name of the Provider you are looking for	

IV. Sample Data – Output Format

<https://build.fhir.org/ig/HL7/carin-bb/Practitioner-Practitioner1.html>

V. Data Permissions

No restrictions.

### 4.3 Organization

An organization is a formal or informal grouping of people or organizations with a common purpose, such as a company, institution, corporation, community group, or healthcare practice. This resource provides Organization information based on organization Id passed in uri parameter.

I. Technical Details

Endpoint Name	<b>Organization</b>
FHR Profile	<a href="http://hl7.org/fhir/us/davinci-pdex-plan-net/StructureDefinition/plannet-Organization">http://hl7.org/fhir/us/davinci-pdex-plan-net/StructureDefinition/plannet-Organization</a>

	<a href="http://hl7.org/fhir/us/davinci-pdex-plan-net/StructureDefinition/plannet-Network">http://hl7.org/fhir/us/davinci-pdex-plan-net/StructureDefinition/plannet-Network</a>
Endpoint URLs	/Organization /Organization/{id} /Organization?{query_params}
Message Format	FHIR+JSON
Input Request Payload	NA
Fault/Error Response	Error code 404 - Resource not found Error code 405 - Method not allowed Error code 406 - Not acceptable Error code 400 - Bad request Error code 500 – Internal Server Error  Error code 501- Method Not Implemented
Method Type (Applicable to REST Service)	GET
PATH PARAM/QUERY PARAM (Applicable to REST Service) Minimum Parameters:	<b>URI Parameter:</b> <b>OrganizationId</b> : Fetch organization details for id  <b>QueryParams:</b>  <b>address:</b> A server defined search that may match any of the string fields in the Address, including line, city, district, state, country, postalCode, and/or text  <b>name:</b> A portion of the organization's name or alias  <b>coverage-area:</b> Location reference  <b>type:</b> Select Organizations of the specified type  <b>partof:</b> Organizations that are part of the specified organization  <b>_count:</b> the number of records  <b>_getpagesoffset:</b> the record number start with

II. Query Parameter

Name	Description	Notes
Address	A server defined search that may match any of the string fields in the Address, including line, city,	

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	district, state, country, postalCode, and/or text	
<b>Count</b>	The number of records	
<b>Getpagesoffset</b>	The record number start with	
<b>Name</b>	A portion of the organization's name or alias	
<b>coverage-area</b>	Location reference	
<b>Type</b>	Select Organizations of the specified type	
<b>Part of</b>	Organizations that are part of the specified organization	

### III. URI Parameter

Name	Description	Notes
OrganizationId	id of the organization	
NetworkId	Id for the Network	

### IV. Sample Data – Output Format

<https://build.fhir.org/ig/HL7/carin-bb/Organization-OrganizationProvider1.html>

### V. Data Permissions

No restrictions

## 4.4 HealthcareService

The HealthcareService resource typically describes services offered by an organization/practitioner at a location. The resource may be used to encompass a variety of services covering the entire healthcare spectrum, including promotion, prevention, diagnostics, pharmacy, hospital and ambulatory care, home care, long-term care, and other health-related and community services. This resource provides HealthcareService information based on healthcareServiceId passed in uri parameter.

### I. Technical Details

Endpoint Name	<b>HealthcareService</b>
---------------	--------------------------

FHIR Profile	<a href="http://hl7.org/fhir/us/davinci-pdex-plan-net/StructureDefinition/plannet-HealthcareService">http://hl7.org/fhir/us/davinci-pdex-plan-net/StructureDefinition/plannet-HealthcareService</a>
Endpoint URLs	/HealthcareService /HealthcareService/{id} /HealthcareService?{query_params}
Message Format	FHIR+JSON
Input Request Payload	NA
Fault/Error Response	Error code 404 - Resource not found Error code 405 - Method not allowed Error code 406 - Not acceptable Error code 400 - Bad request Error code 500 – Internal Server Error  Error code 501 – Method not Implemented
Method Type (Applicable to REST Service)	GET
PATH PARAM/QUERY PARAM (Applicable to REST Service) Minimum Parameters:	<b>URI Parameter:</b> <b>HealthcareServiceId</b> : Fetch HealthcareService details <b>Query QueryParams:</b>  <b>coverage-area:</b> Location(s) service is intended for/available to  <b>location:</b> The location of the Healthcare Service  <b>name</b> : A portion of the Healthcare service name  <b>organization:</b> The organization that provides this Healthcare Service  <b>service-type:</b> The type of service provided by this healthcare service  <b>specialty:</b> The specialty of the service provided by this healthcare  <b>category:</b> The category of healthcare service

II. Query Parameter

Name	Description	Notes(expression)
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Location	Location of a bundle response entry	HealthcareService.Location
Coveragearea	coveragearea of a bundle response entry	HealthcareService.coveragearea
Organization	Organization of a bundle response entry	HealthcareService.organization
endpoint	endpoint of a bundle response entry	HealthcareService.endpoint
Name	name of a bundle response entry	HealthcareService.name
Service-category	Service-category of a bundle response entry	HealthcareService.service.category
Service-type	Service-type of a bundle response entry	HealthcareService.service-type
Speciality	speciality of a bundle response entry	HealthcareService.speciality
_count	The number of records	
_getpagesoffset	The record number start with	

III. **URI Parameter**

Name	Description	Notes
HealthcareServiceId	id of the HealthcareService	

IV. **Sample Data – Output Format**

<https://build.fhir.org/ig/HL7/davinci-pdex-plan-net/HealthcareService-BurrClinicServices.html>

V. **Data Permissions**

No restrictions.

4.5 **InsurancePlan**

InsurancePlan describes a health insurance offering comprised of a list of covered benefits (i.e. the product), costs associated with those benefits (i.e. the plan), and additional information about the offering, such as who it is owned and administered by, a coverage area, contact information, etc. This resource provides InsurancePlan information based on InsurancePlanId passed in uri parameter.

I. **Technical Details**

Endpoint Name	<b>InsurancePlan</b>
---------------	----------------------

FHIR Profile	http://hl7.org/fhir/us/davinci-pdex-plan-net/StructureDefinition/plannet-InsurancePlan
Endpoint URLs	/InsurancePlan /InsurancePlan/{id} /InsurancePlan?{query_params}
Message Format	FHIR+JSON
Input Request Payload	NA
Fault/Error Response	Error code 404 - Resource not found Error code 405 - Method not allowed Error code 406 - Not acceptable Error code 400 - Bad request Error code 500 – Internal Server Error  Error code 501- Method Not Implemented
Method Type (Applicable to REST Service)	GET
PATH PARAM/QUERY PARAM (Applicable to REST Service) Minimum Parameters:	<b>URI Parameter:</b> <b>InsurancePlanID</b> : Fetch InsurancePlan details for id <b>QueryParams:</b> <b>type</b> : A code for the type of organization <b>name</b> : A portion of the organization's name or alias <b>identifier</b> : Any identifier for the organization (not the accreditation issuer's identifier) <b>administered-by</b> : Select products that are administered by the specified organization <b>coverage-area</b> : Select products that are offered in the specified location <b>plan-type</b> : Select plans of the specified type <b>owned-by</b> : Select products that are owned by the specified organization <b>_count</b> : The number of records <b>_getpagesoffset</b> : The records number to start with

II. Query Parameter

Name	Description	Notes
Identifier	Any identifier for the organization (not the accreditation issuer's identifier)	
Name	Official name	

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<b>administered-by:</b>	Select products that are administered by the specified organization	
<b>coverage-area</b>	Select products that are offered in the specified	
<b>plan-type</b>	Select plans of the specified type	
<b>owned-by</b>	Select products that are owned by the specified organization	
<b>_count</b>	The number of records	
<b>_getpagesoffset</b>	The record number start with	
<b>Type</b>	Kind of product	

### III. [URI Parameter](#)

Name	Description	Notes
Id	Medica insurance plan resource Id	

### IV. [Sample Data – Output Format](#)

<https://build.fhir.org/ig/HL7/davinci-pdex-plan-net/InsurancePlan-AcmeQHPBronze.html>

### V. [Data Permissions](#)

No restrictions.

## 4.6 [OrganizationAffiliation](#)

The OrganizationAffiliation resource describes relationships between two or more organizations, including the services one organization provides another, the location(s) where they provide services, the availability of those services, electronic endpoints, and other relevant information. This resource provides OrganizationAffiliation information based on organizationAffiliationId passed in uri parameter.

### I. [Technical Details](#)

Endpoint Name	<b>OrganizationAffiliation</b>
FHIR Profile	<a href="http://hl7.org/fhir/us/davinci-pdex-plan-net/StructureDefinition/plannet-OrganizationAffiliation">http://hl7.org/fhir/us/davinci-pdex-plan-net/StructureDefinition/plannet-OrganizationAffiliation</a>
Endpoint URLs	/OrganizationAffiliation  /OrganizationAffiliation/{id}

	/OrganizationAffiliation?{query_params}
Message Format	FHIR+JSON
Input Request Payload	NA
Fault/Error Response	Error code 404 - Resource not found Error code 405 - Method not allowed Error code 406 - Not acceptable Error code 400 - Bad request Error code 500 – Internal Server Error
Method Type (Applicable to REST Service)	GET
PATH PARAM/QUERY PARAM (Applicable to REST Service) Minimum Parameters:	<p><b>URI Parameter:</b></p> <p><b>OrganizationAffiliationId</b> : Fetch organizationAffiliation details for id</p> <p><b>QueryParam:</b></p> <p><b>location:</b> The location(s) at which the role occurs</p> <p><b>network:</b> Health insurance provider network in which the participatingOrganization provides the role's services (if defined) at the indicated locations (if defined)</p> <p><b>participating-organization:</b> The organization that provides services to the primary organization</p> <p><b>primary-organization:</b> The organization that receives the services from the participating organization</p> <p><b>role:</b> Definition of the role the participatingOrganization plays</p> <p><b>service:</b> Healthcare services provided through the role</p> <p><b>specialty:</b> Specific specialty of the participatingOrganization in the context of the role</p>

II. Query Parameter

Name	Description	Notes(expression)
_count	The number of records	
_getpagesoffset	The record number start with	
Primary-organization	The organization that receives the services from the participating organization	

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Role	Definition of the role the participatingOrganization plays	
Service	service of a bundle response entry	OrganizationAffiliation.service
Specialty	Specialty of a bundle response entry	OrganizationAffiliation.specialty
Location	Location of a bundle response entry	OrganizationAffiliation.location
participating-organization	Participating-organization of a bundle response entry	OrganizationAffiliation.participating-organization
Network	network of a bundle response entry	OrganizationAffiliation.network
Identifier	Identifier of a bundle response entry	OrganizationAffiliation.identifier

### III. URI Parameter

Name	Description	Notes
OrganizationAffiliationId	id of the organization affiliation	

### IV. Sample Data – Output Format

<https://build.fhir.org/ig/HL7/davinci-pdex-plan-net/OrganizationAffiliation-BurrClinicAffil.html>

### V. Data Permissions

No restrictions

## 4.7 PractitionerRole

PractitionerRole describes details about a provider, which can be a practitioner or an organization. When the provider is a practitioner, there may be a relationship to an organization. A provider renders services to patients at a location. When the provider is a practitioner, there may also be a relationship to an organization. Practitioner participation in healthcare provider insurance networks may be direct or through their role at an organization. This resource provides practitionerRole information based on practitionerRoleId passed in uri parameter.

### I. Technical Details

Endpoint Name	<b>PractitionerRole</b>
FHIR Profile	<a href="http://hl7.org/fhir/us/davinci-pdex-plan-net/StructureDefinition/plannet-PractitionerRole">http://hl7.org/fhir/us/davinci-pdex-plan-net/StructureDefinition/plannet-PractitionerRole</a>

Endpoint URL	<p>/PractitionerRole</p> <p>/PractitionerRole/{id}</p> <p>/PractitionerRole?{query_parameters}</p>
Message Format	FHIR+JSON
Input Request Payload	NA
Fault/Error Response	<p>Error code 404 - Resource not found</p> <p>Error code 405 - Method not allowed</p> <p>Error code 415 - Unsupported media type</p> <p>Error code 406 - Not acceptable</p> <p>Error code 400 - Bad request</p> <p>Error code 500 – Internal Server Error</p> <p>Error code 501 – Method not Implemented</p>
Method Type (Applicable to REST Service)	GET
PATH PARAM/QUERY PARAM (Applicable to REST Service)  Minimum Parameters:	<p><a href="https://www.hl7.org/fhir/practitionerrole.html#search">https://www.hl7.org/fhir/practitionerrole.html#search</a></p> <p><b>QueryParam:</b></p> <ul style="list-style-type: none"> <li><b>name:</b> The organization name</li> <li><b>location:</b> The location postalCode</li> <li><b>practitioner:</b> The name associated with practitioner</li> <li><b>specialty:</b> The healthcareservice specialty</li> <li><b>network:</b> The health insurance provider network</li> <li><b>_count:</b> the number of records</li> <li><b>_getpagesoffset:</b> the record number start</li> </ul> <p><b>UriParam:</b> Resource id of practitioner role</p> <p><b>/PractitionerRole/{id}</b></p>

II. Query Parameter

Name	Description	Notes
Location	The location postalCode	
Practitioner	The name associated with practitioner	
Specialty	The practitioner role specialty	
Service	PractitionerRoles providing the specified service	

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Network	The health insurance provider network	
_count	The number of records	
_getpagesoffset	The record number start with	

### III. URI Parameter

Name	Description	Notes
{id}	Practitionerrole Id	

### IV. Sample Data – Output Format

<https://build.fhir.org/ig/HL7/davinci-pdex-plan-net/PractitionerRole-AnonRole.html>

### V. Data Permissions

No restrictions

## 4.8 Capability Statement

/metadata: This resource provides "Provider Directory" capability statement information as bundle response.

### I. Technical Details

Endpoint Name	Capability Statement
FHIR Profile	N/A
Endpoint URL	/metadata
Message Format	FHIR+JSON
Input Request Payload	NA
Fault/Error Response	Error code 404 - Resource not found Error code 405 - Method not allowed Error code 406 - Not acceptable Error code 400 - Bad request Error code 500 – Internal Server Error  Error code 501 – Method Not Implemented
Method Type (Applicable to REST Service)	GET

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PATH PARAM/QUERY PARAM  
(Applicable to REST Service)

Query Parameter: NA  
URI Parameter: NA

Minimum Parameters:

- II. Query Parameter - None
- III. URI Parameter - None
- IV. Sample Data – Output Format  
<https://www.hl7.org/fhir/capabilitystatement-base.json.html>
- V. Data Permissions  
No restrictions.