

Patient Access API

Metadata

The metadata endpoint provides access to the FHIR Capability Statement of the server.

Endpoint: GET <https://<baseurl>/metadata>

Parameters: None

Baseurl : <https://api.bcbsri.com/PatientAccessAPI/fhir>

Resource Types:

Sl.No.	Resource Types
1	Condition
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Requests – Params

Name	Required	Type	Description	Example
_id	false	Integer	System identifier of resource.	_id = d10956b0-8e50-49af-8db2-288xxxxx
_lastUpdated	false	String	Last updated date of resource type	_lastUpdated = gt2010-10-01
_count	false	Integer	Size of results page	_count = 5

Condition

This resource is used to record detailed information about a condition, problem, diagnosis or other event, situation, issue or clinical concept that has risen to a level of concern.

Endpoint: GET [https://<baseurl>/PatientAccessAPI/fhir/Condition?_id={Ids}&_count\]&_lastUpdated\]](https://<baseurl>/PatientAccessAPI/fhir/Condition?_id={Ids}&_count]&_lastUpdated])

Parameters:

Name	Required	Type	Description
_id	False	integer	System identifier of resource.
_lastUpdated	False	string	Last updated date of resource type
_count	False	integer	Size of results page

Condition By Id

Retrieve the Condition resource by id

Endpoint: GET <https://<baseurl>/Condition/{id}>

Parameters: None.

Coverage

The Coverage resource is intended to provide the high-level identifiers and descriptors of an insurance plan, typically the information which would appear on an insurance card, which may be used to pay, in part or in whole, for the provision of health care products and services.

The Patient Access API implements the FHIR Coverage Resource. The Coverage resource supports reading the current state of the resource using the Logical (Unique) ID.

Endpoint: GET [https://<baseurl>/Coverage?_id={Ids}&_count\]\[&_lastUpdated\]](https://<baseurl>/Coverage?_id={Ids}&_count][&_lastUpdated])

Parameters:

Name	Required	Type	Description
_id	False	integer	System identifier of resource.
_lastUpdated	False	string	Last updated date of resource type
_count	False	integer	Size of results page

Coverage By Id

The Patient Access API implements the FHIR Coverage Resource. The Coverage resource supports to Read current state of the resource using the Logical (Unique) ID.

Retrieve the Coverage resource by id.

Endpoint: GET <https://<baseurl>/Coverage/{id}>

Parameters: None.

Claim

The Claim resource is used to request the adjudication and/or authorization of a set of healthcare-related goods and services for a patient against the patient's insurance coverages, or to request what the adjudication would be for a supplied set of goods or services should they be actually supplied to the patient.

Endpoint: GET [https://<baseurl>/Claim?_id={Ids}&_count\]\[&_lastUpdated\]](https://<baseurl>/Claim?_id={Ids}&_count][&_lastUpdated])

Parameters:

Name	Required	Type	Description
_id	False	integer	System identifier of resource.
_lastUpdated	False	string	Last updated date of resource type
_count	False	integer	Size of results page

Claim By Id

Retrieve the Claim resource by id.

Endpoint: GET <https://<baseurl>/Claim/{id}>

Parameters: None.

Device By Id

A type of a manufactured item that is used in the provision of healthcare without being substantially changed through that activity. This device may be a medical or non-medical.

Note : Id is mandatory

Endpoint: GET <https://<baseurl>/Device/{id}>

Parameters: None.

DiagnosticReport

The findings and interpretation of diagnostic tests performed on patients, groups of patients, devices and locations and/or specimens derived from these. The report includes clinical context such as requesting and providing information and some mix of atomic results, images textual and coded interpretations and formatted representation of diagnostic

Endpoint: GET [https://<baseurl>/DiagnosticReport?_id={Ids}&_count\]\[_lastUpdated\]](https://<baseurl>/DiagnosticReport?_id={Ids}&_count][_lastUpdated])

Parameters:

Name	Required	Type	Description
_id	false	integer	System identifier of resource.
_lastUpdated	false	string	Last updated date of resource type
_count	false	integer	Size of results page

DiagnosticReport By Id

The findings and interpretation of diagnostic tests performed on patients, groups of patients, devices and locations and/or specimens derived from these. The report includes clinical context such as requesting and providing information and some mix of atomic results, images textual and coded interpretations and formatted representation of diagnostic.

Retrieve the Diagnostic Reports resource by id.

Endpoint: GET <https://<baseurl>/DiagnosticReport/{id}>

Parameters: None.

DocumentReference

A reference to a document of any kind for any purpose. Provides metadata about the document so that the document can be discovered and managed. The scope of a document is any serialized object with the mime-type, so includes formal patient centric documents (CDA), clinical notes, scanned paper and non-patient specific documents like policy text.

Endpoint: GET [https://<baseurl>/DocumentReference?_id={Ids}&_count\]\[&_lastUpdated\]](https://<baseurl>/DocumentReference?_id={Ids}&_count][&_lastUpdated])

Parameters:

Name	Required	Type	Description
_id	false	integer	System identifier of resource.
_lastUpdated	false	string	Last updated date of resource type
_count	false	integer	Size of results page

DocumentReference By Id

Retrieve the DocumentReference resource by id.

Endpoint: GET <https://<baseurl>/DocumentReference/{id}>

Parameters: None.

Encounter

The interaction between a patient and healthcare provider for the purpose of providing healthcare service(s) or assessing the health status of a patient.

Endpoint: GET [https://<baseurl>/Encounter?_id={Ids}&_count\]\[&_lastUpdated\]](https://<baseurl>/Encounter?_id={Ids}&_count][&_lastUpdated])

Parameters:

Name	Required	Type	Description
_id	false	integer	System identifier of resource.
_lastUpdated	false	string	Last updated date of resource type
_count	false	integer	Size of results page

Encounter By Id

Retrieve the Encounter resource by id.

Endpoint: GET <https://<baseurl>/Encounter/{id}>

Parameters: None.

ExplanationOfBenefit

The ExplanationOfBenefit (EOB) resource combines key information from a Claim, a ClaimResponse and optional Account information to inform a patient of the goods and services rendered by a provider and the settlement made under the patient's coverage in respect of that Claim. The ExplanationOfBenefit resource may also be used as a resource for data exchange for bulk data analysis, as the resource encompasses Claim, ClaimResponse and Coverage/Eligibility information.

The Patient Access API implements HL7 FHIR standards to meet the CMS requirements for interoperability. The API enables members to access their claims and encounter information using Third-Party client applications. A request for Explanation Of Benefit resource will initiate a fetch that returns claims for a patient from claims data sources .

Endpoint: GET [https://<baseurl>/ExplanationOfBenefit?_id={Ids}&_count\]&_lastUpdated\]](https://<baseurl>/ExplanationOfBenefit?_id={Ids}&_count]&_lastUpdated])

Parameters:

Name	Required	Type	Description
_id	false	integer	System identifier of resource.
_lastUpdated	false	string	Last updated date of resource type
_count	false	integer	Size of results page

ExplanationOfBenefit By id

Retrieve the Explanation of Benefits resource by id.

Endpoint: GET <https://<baseurl>/ExplanationOfBenefit/{id}>

Parameters: None.

Immunization

Describes the event of a Patient being administered a vaccine or a record of an immunization as reported by a patient, a clinician or another party.

Endpoint: GET [https://<baseurl>/Immunization?_id={Ids}&_count\]&_lastUpdated\]](https://<baseurl>/Immunization?_id={Ids}&_count]&_lastUpdated])

Parameters:

Name	Required	Type	Description
_id	false	integer	System identifier of resource.
_lastUpdated	false	string	Last updated date of resource type
_count	false	integer	Size of results page

Immunization By Id

Retrieve the Immunization resource by id.

Endpoint: GET <https://<baseurl>/Immunization/{id}>

Parameters: None.

Location By Id

A Location includes both incidental locations (a place which is used for healthcare without prior designation or authorization) and dedicated, formally appointed locations. Locations may be private, public, mobile or fixed and scale from small freezes to full hospital buildings or parking garages. Manage the collection of resources of type Location.

Note : Id is mandatory

Endpoint: GET <https://<baseurl>/Location/{id}>

Parameters: None.

Medication By Id

The Medication resource allows for medications to be characterized by the form of the drug and the ingredient (or ingredients), as well as how it is packaged. The medication will include the ingredient(s) and their strength(s) and the package can include the amount (for example, number of tablets, volume, etc.) that is contained in a particular container (for example, 100 capsules of Amoxicillin 500mg per bottle).

Note : Id is mandatory

Endpoint: GET <https://<baseurl>/Medication/{id}>

Parameters: None.

MedicationDispense

Indicates that a medication product is to be or has been dispensed for a named person/patient. This includes a description of the medication product (supply) provided and the instructions for administering the medication. The medication dispense is the result of the pharmacy system responding to a medication order.

Endpoint: GET [https://<baseurl>/MedicationDispense?_id={ids}&_count\]\[&_lastUpdated\]](https://<baseurl>/MedicationDispense?_id={ids}&_count][&_lastUpdated])

Parameters:

Name	Required	Type	Description
_id	false	integer	System identifier of resource.
_lastUpdated	false	string	Last updated date of resource type
_count	false	integer	Size of results page

MedicationDispense By Id

Retrieve the Medication Dispense resource by id.

Endpoint: GET

<https://<baseurl>/MedicationDispense/{id}>

Parameters: None.

MedicationKnowledge By Code

This resource supports use cases for creation of and querying for drug information including attributes such as drug classifications, images of medications, drug costs and/or coverages, etc. This resource can be used to return drug information as part of a formulary or a catalogue.

Note: Search by code.

Endpoint: GET

<https://<baseurl>/MedicationKnowledge?code={code}>

Parameters:

Name	Required	Type	Description
code	true	string	System identifier of resource.

MedicationKnowledge By Id

This resource supports use cases for creation of and querying for drug information including attributes such as drug classifications, images of medications, drug costs and/or coverages, etc. This resource can be used to return drug information as part of a formulary or a catalogue.

Note : Id is mandatory

Endpoint: GET <https://<baseurl>/MedicationKnowledge/{id}>

Parameters: None.

Observation

This resource will retrieve all observation details associated with a patient using the patient identifier and formats the response to the Observation

Endpoint: GET [https://<baseurl>/Observation?_id={Ids}\[&_count\]\[&_lastUpdated\]](https://<baseurl>/Observation?_id={Ids}[&_count][&_lastUpdated])

Parameters:

Name	Required	Type	Description
_id	false	integer	System identifier of resource.
_lastUpdated	false	string	Last updated date of resource type
_count	false	integer	Size of results page

Observation By Id

This resource will retrieve all observation details associated with a patient using the patient.identifier and formats the response to the Observation

Retrieve the Observation resource by id.

Endpoint: GET <https://<baseurl>/Observation/{id}>

Parameters: None.

Organization By Id

The Organization resource is used for collections of people that have come together to achieve an objective. The Group resource is used to identify a collection of people (or animals, devices, etc.) that are gathered for the purpose of analysis or acting upon, but are not expected to act themselves.

Note : Id is mandatory

Endpoint: GET <https://<baseurl>/Organization/{id}>

Parameters: None.

Patient

This resource API implements the HL7 FHIR standards and provides the ability to access their data using Third-Party client applications supporting those standards.

The data in the Resource covers the "who" information about the patient: its attributes are focused on the demographic information necessary to support the administrative, financial and logistic procedures.

Endpoint: GET [https://<baseurl>/Patient?_id={Ids}&_count\]\[&_lastUpdated\]](https://<baseurl>/Patient?_id={Ids}&_count][&_lastUpdated])

Parameters:

Name	Required	Type	Description
_id	false	integer	System identifier of resource.
_lastUpdated	false	string	Last updated date of resource type
_count	false	integer	Size of results page

Patient By Id

This resource allows the members to access their data using Third-Party client applications.

Retrieve the Patient resource by id.

Endpoint: GET <https://<baseurl>/Patient/{id}>

Parameters: None.

Practitioner By Id

Practitioner covers all individuals who are engaged in the healthcare process and healthcare-related services as part of their formal responsibilities and this Resource is used for attribution of activities and responsibilities to these individuals.

Note : Id is mandatory

Endpoint: GET <https://<baseurl>/Practitioner/{id}>

Parameters: None.

PractitionerRole By Id

PractitionerRole covers the recording of the location and types of services that Practitioners are able to provide for an organization.

Note : Id is mandatory

Endpoint: GET <https://<baseurl>/PractitionerRole/{id}>

Parameters: None.

Procedure

This resource is used to record the details of current and historical procedures performed on or for a patient. A procedure is an activity that is performed on, with, or for a patient as part of the provision of care.

Endpoint: GET [https://<baseurl>/Procedure?_id={Ids}&_count\]&_lastUpdated\]](https://<baseurl>/Procedure?_id={Ids}&_count]&_lastUpdated])

Parameters:

Name	Required	Type	Description
_id	false	integer	System identifier of resource.
_lastUpdated	false	string	Last updated date of resource type
_count	false	integer	Size of results page

Procedure By Id

Retrieve the Procedure resource by id.

Endpoint: GET <https://<baseurl>/Procedure/{id}>

Parameters: None.

Provenance By Id

Provenance of a resource is a record that describes entities and processes involved in producing and delivering or otherwise influencing that resource. Provenance provides a critical foundation for assessing, authenticity, enabling trust and allowing reproducibility Provenance assertions are a form of contextual metadata and can themselves become important records with their own provenance.

Provenance statements indicate clinical significance in terms of confidence in authenticity, reliability and trustworthiness, integrity and stage in lifecycle (e.g. Document completion – has the artifact been legally authenticated) all of which may impact security, privacy and trust policy.

Endpoint: GET <https://<baseurl>/Provenance/{id}>

Parameters: None.