



**Perspecta**<sup>SM</sup>

# Transmit FHIR Technical Summary – BCBS RI

Q2 2021

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## Contents

|   |   |
|---|---|
| Summary .....                           | 2 |
| Note .....                              | 2 |
| Scope.....                              | 2 |
| Requests.....                           | 2 |
| Search Params .....                     | 2 |
| Appendix A – Requests and Params .....  | 3 |
| All Requests – Resource Types .....     | 3 |
| All Search Requests – FHIR Params ..... | 3 |
| Metadata .....                          | 3 |
| HealthcareService .....                 | 3 |
| Insurance Plan.....                     | 4 |
| Practitioner .....                      | 4 |

## Summary

The Perspecta Transmit 2.0 provider directory is an API that meets all requirements for the 7/1/2021 CMS Interoperability mandate. The original CMS mandate can be referenced here: [Federal Register :: Medicare and Medicaid Programs; Patient Protection and Affordable Care Act; Interoperability and Patient Access for Medicare Advantage Organization and Medicaid Managed Care Plans, State Medicaid Agencies, CHIP Agencies and CHIP Managed Care Entities, Issuers of Qualified Health Plans on the Federally-Facilitated Exchanges, and Health Care Providers](#)

## Note

All links in this document are relative to a base path, which is:  
<https://transmitapi.goperspecta.com/bcbsri/>

## Scope

The api exposes providers and pharmacies in a FHIR format and include the following mandated fields:

| Providers  | Pharmacies   |
|--|--|
| <ul style="list-style-type: none"><li>- Name</li><li>- Addresses</li><li>- Specialty as NUCC codes</li><li>- Phone Numbers</li></ul> | <ul style="list-style-type: none"><li>- Name</li><li>- Address</li><li>- Phone</li><li>- Number of Pharmacies in Network</li><li>- Mix (such as “retail pharmacy”)</li></ul> |

In an effort to make the data useful to a broader audience, additional fields are included in the response, including accepting new patients, ADA compliance, NPI, Gender, language, and affiliated organization.

## Requests

Supported requests, all in FHIR format, include:

- Searches against Practitioner (Provider) resources
- Searches against HealthcareService resources for Pharmacies
- A request for InsurancePlan resources to retrieve a list of networks in the system
- A GET against the Metadata endpoint which returns the FHIR Capability Statement

## Search Params

Searches for Practitioners and HealthcareServices require the “network” parameter, as this is a logical grouping of providers in the system. Other parameters are based on specialty and location, including city, state, zip, and associated radius.

Further detail in Appendix A

## Appendix A – Requests and Params

### All Requests – Resource Types

For practitioner and pharmacy searches, `_includes` are automatically included for each of these resource types:

| Providers  | Pharmacies   |
|--|--|
| <ul style="list-style-type: none"><li>- Practitioner</li><li>- PractitionerRole</li><li>- Location</li><li>- Organization (for hospital affiliation)</li></ul> | <ul style="list-style-type: none"><li>- HealthcareService</li><li>- Location</li></ul> |

### All Search Requests – FHIR Params

For all searches against Practitioner and HealthcareService, the following FHIR-compliant fields are available.

| Name                | Required | Type    | Description   |
|---------------------|----------|---------|---|
| <code>_id</code>    | false    | integer | System identifier of resource. In this single case, network is not required.  |
| <code>_count</code> | false    | integer | Size of results page  |
| <code>_skip</code>  | false    | integer | Number of rows to skip when paging over results. This value is autogenerated in the links contained at the end of the FHIR Response |

### Metadata

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

Endpoint: GET `/metadata`

Parameters: None

### HealthcareService

The HealthcareService resource type is used to perform pharmacy searches

Endpoint: GET

`/HealthcareService?network={network} [&_id] [&location.state] [&location.city] [&location.searchradius] [&_count]`

Parameters:

| Name                  | Required                                     | Type    | Description  |
|-----------------------|--|---------|--|
| Network               | true   | string  | Name of health care network to search - query InsurancePlan endpoint for relevant values |
| _id                   | false  | integer | System identifier of HealthcareService   |
| Location.address      | False  | String  | Street address for more accurate radius search   |
| location.state        | false - either state or zip must be provided | string  | Search by state. Values are two-letter abbreviation                                      |
| location.city         | false  | string  | Search by city name  |
| Location.zip          | false - either state or zip must be provided | string  |  |
| location.searchradius | false  | int     | Radius of search   |
| organization          | false  | string  | searches for pharmacy based on name  |

### Insurance Plan

The InsurancePlan endpoint is not searchable – it is a simple GET request that retrieves all plans/networks in the system. These can be used to perform searches against Practitioner and HealthcareService resources.

Endpoint: GET /InsurancePlan

Parameters: None

### Practitioner

The Practitioner resource search used to locate providers based on search params.

Endpoint: GET

/Practitioner?network={network} [&\_id] [&specialty] [&location.state] [&location.city] [&location.searchradius] [&\_count]

Parameters:

| Name    | Required                      | Type   | Description  |
|---------|-------------------------------|--------|--|
| network | true, unless _id is specified | string | Name of health care network to search - query InsurancePlan endpoint for relevant values |

|                       |  |         |   |
|-----------------------|--|---------|---|
| _id                   | false  | integer | System identifier of Practitioner<br>– direct link to a practitioner record |
| specialty             | false  | string  | Specialty to search on - specialties are in NUCC taxonomy code format       |
| Location.address      | False  | String  | Street address for more accurate radius search                              |
| location.state        | false  | string  | Search by state. Values are two-letter abbreviation                         |
| location.city         | false  | string  | Search by city name   |
| Location.zip          | false – either state or zip must be provided | string  |   |
| location.searchradius | false  | int     | Radius of search  |
| given                 | false  | String  | Given/first name of practitioner  |
| family                | false  | string  | Family/last name of practitioner  |