

# Provider Directory Resources

These are the resources and endpoints available in the **Provider Directory API**. The API supports the following **FHIR-approved implementation guide** and profiles:

## Implementation Guides

[HL7® FHIR® DaVinci PDEX \(Plan-Net\) Implementation Guide](#)

## Base URL

<https://avmp.interop.avmed.com/avmp/api/plannet/>

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## Organization

An **Organization** represents a healthcare provider entity, such as a facility or group practice that delivers healthcare services and may be part of an insurance network or participate in insurance plans.

### ◆ Interactions

- **Read:** GET [base]/Organization/[id]
- **Search:** GET [base]/Organization?{parameters...}

### ◆ Search Parameters

Search Parameter	Type	Example
name	String	GET [base]/Organization?name=[name]
_id	String	GET [base]/Organization?_id=[_id]

Search Parameter	Type	Example
partof	Reference	GET [base]/Organization?partof=[partof]
endpoint	Reference	GET [base]/Organization?endpoint=[endpoint]
address	String	GET [base]/Organization?address=[address]
address-state	String	GET [base]/Organization?address-state=[address-state]
address-city	String	GET [base]/Organization?address-city=[address-city]
address-postalcode	String	GET [base]/Organization?address-postalcode=[address-postalcode]
_lastUpdated	String	GET [base]/Organization?_lastUpdated=[_lastUpdated]
type	String	GET [base]/Organization?type=[type]
coverage-area	Reference	GET [base]/Organization?coverage-area=[coverage-area]

### ◆ Supported `_includes` & `_revincludes`

- `_includes` →
  - Organization:partof
  - Organization:endpoint
  - Organization:coverage-area
- `_revincludes` →
  - Endpoint:organization
  - HealthcareService:organization
  - InsurancePlan:administered-by
  - InsurancePlan:owned-by
  - OrganizationAffiliation:primary-organization
  - PractitionerRole:organization
  - PractitionerRole:network
  - OrganizationAffiliation:participating-organization

## Location

A **Location** represents the physical place where healthcare services are provided, organizations operate, or practitioners work.

### ◇ Interactions

- **Read:** GET [base]/Location/[id]
- **Search:** GET [base]/Location?{parameters...}

### ◇ Search Parameters

Search Parameter	Type	Example
address-city	String	GET [base]/Location?address-city=[address-city]
address-state	String	GET [base]/Location?address-state=[address-state]
address-postalcode	String	GET [base]/Location?address-postalcode=[address-postalcode]
address	String	GET [base]/Location?address=[address]
partof	Reference	GET [base]/Location?partof=[partof]
organization	Reference	GET [base]/Location?organization=[organization]
endpoint	Reference	GET [base]/Location?endpoint=[endpoint]
type	String	GET [base]/Location?type=[type]
_lastUpdated	Date	GET [base]/Location?lastUpdated=[lastUpdated]
_id	String	GET [base]/Location?id=[id]

### ◇ Supported \_includes & \_reincludes

- **\_includes** →
  - Location:endpoint
  - Location:organization
  - Location:partof
- **\_reincludes** →
  - PractitionerRole:location,HealthcareService:location
  - InsurancePlan:coverage-area
  - OrganizationAffiliation:location

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## OrganizationAffiliation

Defines the relationships between **two organizations**, such as a **health system** and **its affiliated hospitals**.

## ◇ Interactions

- **Read:** GET [base]/OrganizationAffiliation/{id}
- **Search:** GET [base]/OrganizationAffiliation?{parameters...}

## ◇ Search Parameters

Search Parameter	Type	Example
primary-organization	Reference	GET [base]/OrganizationAffiliation?primary-organization=[primary-organization]
participating-organization	Reference	GET [base]/OrganizationAffiliation?participating-organization=[participating-organization]
network	Reference	GET [base]/OrganizationAffiliation?network=[network]
location	Reference	GET [base]/OrganizationAffiliation?location=[location]
service	Reference	GET [base]/OrganizationAffiliation?service=[service]
endpoint	Reference	GET [base]/OrganizationAffiliation?endpoint=[endpoint]
role	Reference	GET [base]/OrganizationAffiliation?role=[role]
specialty	Reference	GET [base]/OrganizationAffiliation?specialty=[specialty]
_id	String	GET [base]/OrganizationAffiliation?_id=[_id]
_lastUpdated	Date	GET [base]/OrganizationAffiliation?_lastUpdated=[_lastUpdated]

## ◇ Supported includes & reincludes

- **\_includes** →
  - OrganizationAffiliation:primary-organization
  - OrganizationAffiliation:participating-organization
  - OrganizationAffiliation:network
  - OrganizationAffiliation:location

- OrganizationAffiliation:service
- OrganizationAffiliation:endpoint
- **\_revIncludes** → N/A

## Practitioner

A **Practitioner** is a healthcare provider, directly or indirectly involved in patient care.

### ◇ Interactions

- **Read:** GET [base]/Practitioner/{id}
- **Search:** GET [base]/Practitioner?{parameters...}

### ◇ Search Parameters

Search Parameter	Type	Example
name	String	GET [base]/Practitioner?name=[name]
family	String	GET [base]/Practitioner?family=[family]
given	String	GET [base]/Practitioner?given=[given]
_id	String	GET [base]/Practitioner?_id=[_id]
_lastUpdated	Date	GET [base]/Practitioner?_lastUpdated=[_lastUpdated]

### ◇ Supported includes & revincludes

- **\_include** → N/A
- **\_revInclude** →
  - PractitionerRole:practitioner

## PractitionerRole

Defines the **roles, responsibilities, and locations** of a **healthcare practitioner** in an organization.

#### ◇ Interactions

- **Read:** GET [base]/PractitionerRole/{id}
- **Search:** GET [base]/PractitionerRole?{parameters...}

#### ◇ Search Parameters

Search Parameter	Type	Example
practitioner	Reference	GET [base]/PractitionerRole?practitioner=[practitioner]
organization	Reference	GET [base]/PractitionerRole?organization=[organization]
location	Reference	GET [base]/PractitionerRole?location=[location]
specialty	Token	GET [base]/PractitionerRole?specialty=[specialty]
network	Reference	GET [base]/PractitionerRole?network=[network]
service	String	GET [base]/PractitionerRole?service=[service]
endpoint	Reference	GET [base]/PractitionerRole?endpoint=[endpoint]
role	String	GET [base]/PractitionerRole?role=[role]
_id	String	GET [base]/PractitionerRole?_id=[_id]
_lastUpdated	Date	GET [base]/PractitionerRole?_lastUpdated = [_lastUpdated]

#### ◇ Supported includes & revincludes

- **\_includes** →
  - PractitionerRole:practitioner
  - PractitionerRole:organization
  - PractitionerRole:location
  - PractitionerRole:network
- **\_revIncludes** → N/A

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## HealthcareService

Describes services offered by an organization/practitioner at a location (e.g., prevention, diagnostics, ambulatory care, etc.).

#### ◇ Interactions

- **Read:** GET [base]/HealthcareService/[id]
- **Search:** GET [base]/HealthcareService?{parameters...}

#### ◇ Search Parameters

Search Parameter	Type	Example
endpoint	Reference	GET [base]/HealthcareService?location=[endpoint]
coverage-area	Reference	GET [base]/HealthcareService?coverage-area=[coverage-area]
organization	Reference	GET [base]/HealthcareService?organization=[organization]
name	String	GET [base]/HealthcareService?name=[name]
service-category	String	GET [base]/HealthcareService?service-category=[service-category]
service-type	String	GET [base]/HealthcareService?service-type=[service-type]
specialty	String	GET [base]/HealthcareService?specialty=[specialty]
_id	String	GET [base]/HealthcareService?_id=[_id]
_lastUpdated	Date	GET [base]/HealthcareService?_lastUpdated=[_lastUpdated]

#### ◇ Supported includes & reincludes

- **\_includes** →
    - HealthcareService:location
    - HealthcareService:coverage-area
    - HealthcareService:organization
    - HealthcareService:endpoint
  - **\_reincludes** →
    - PractitionerRole:service
    - OrganizationAffiliation:service
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# InsurancePlan

Defines a health insurance offering, including covered benefits, provider networks, and coverage area.

## ◇ Interactions

- **Read:** GET [base]/InsurancePlan/{id}
- **Search:** GET [base]/InsurancePlan?{parameters...}

## ◇ Search Parameters

Search Parameter	Type	Example
administered-by	Reference	GET [base]/InsurancePlan?administered-by=[administered-by]
owned-by	Reference	GET [base]/InsurancePlan?owned-by=[owned-by]
coverage-area	Reference	GET [base]/InsurancePlan?coverage-area=[coverage-area]
name	String	GET [base]/InsurancePlan?name=[name]
_lastUpdated	String	GET [base]/InsurancePlan?_lastUpdated=[_lastUpdated]
_id	String	GET [base]/InsurancePlan?_id=[_id]
plan-type	String	GET [base]/InsurancePlan?plan-type=[plan-type]
identifier	String	GET [base]/InsurancePlan?identifier=[identifier]
type	String	GET [base]/InsurancePlan?type=[type]

## ◇ Supported includes & reincludes

- **\_includes** →
  - InsurancePlan:administered-by
  - InsurancePlan:owned-by
  - InsurancePlan:coverage-area
- **\_reincludes** → N/A

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## HTTP Status Code

<b>HTTP Status Code</b>	<b>Status</b>	<b>Description</b>
200	OK	Resource read or updated successfully
400	Bad Request	Invalid request format (bad JSON, invalid query parameter)
403	Forbidden	Authenticated but not allowed to access that resource
404	Not Found	Resource doesn't exist (wrong Practitioner/Organization ID)
500	Internal Server Error	Something went wrong on server side
503	Service Unavailable	API temporarily down or overloaded