# HealthPartners Institute Medical Research - Education Institute



Provider Directory API

June 2021

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# Introduction

## Overview

The stated goal of the Interoperability and Patient Access final rule (CMS-9115-F) is to give patients access to their health information when they need it.

CMS, in partnership with the Office of the National Coordinator for Health Information Technology (ONC), has identified Health Level 7® (HL7) Fast Healthcare Interoperability Resources® (FHIR) Release 4.0.1 as the foundational standard to support data exchange via secure application programming interfaces (APIs).

The Provider Directory API is structured according to the following specifications, please refer to the below link for additional information along with examples.

* Provider Directory API
  + [DaVinci PDex Plan Net](http://hl7.org/fhir/us/davinci-pdex-plan-net/STU1/)

## Privacy

Protecting patient privacy requires a strong privacy policy and an accessible, easy-to-read, comprehensive privacy notice. We strongly recommend that all third-party app developers clearly explain to patients that their data are no longer covered by HIPAA once the patient directs their data to be exchanged with most apps. Payers required to provide patients their data via the Patient Access API may also ask third-party developers to attest to having certain privacy provisions in place should a patient wish to use the developer’s app. For instance, they may ask if the app has a publicly available privacy policy, written in plain language, that has been affirmatively shared with the patient prior to the patient authorizing app access to their health information. When we say “affirmatively shared,” we mean that the patient had to take an action to indicate they viewed the privacy policy, such as click or check a box or boxes. Payers can ask if the privacy policy includes important information, such as, at a minimum:

* How a patient’s health information may be accessed, exchanged, or used by any person or other entity, including whether the patient’s health information may be shared or sold at any time (including in the future);
* A requirement for express consent from a patient before the patient’s health information is accessed, exchanged, or used, including receiving express consent before a patient’s health information is shared or sold (other than disclosures required by law or disclosures necessary in connection with the sale of the application or a similar transaction);
* If the app will access any other information from a patient’s device; or
* How a patient can discontinue app access to their data, and what the app’s policy and
* process is for disposing of a patient’s data once the patient has withdrawn consent.
* We strongly urge developers to follow industry best practices when developing a privacy policy and consult relevant resources, such as:
* CARIN Alliance Code of Conduct: https://www.carinalliance.com/our-work/trust-framework- and-code-of-conduct/
* ONC Model Privacy Notice: https://www.healthit.gov/topic/privacy-security-and- hipaa/model-privacy-notice-mpn
* For more information visit https://www.cms.gov/Regulations-and- Guidance/Guidance/Interoperability/index

## Registration

Please go to the HealthPartners [link](https://urldefense.proofpoint.com/v2/url?u=https-3A__nam02.safelinks.protection.outlook.com_-3Furl-3Dhttps-253A-252F-252Fwww.healthpartners.com-252Fabout-252Fimproving-2Dhealthcare-252Fhealthpartners-2Dapi-252F-26data-3D04-257C01-257CChris.J.Geisler-2540HealthPartners.Com-257Cfcdf7bdc55fb48a1e5cd08d9341ab9eb-257C9539230a521345429ca6b0ec58c41a4d-257C0-257C0-257C637598111815331337-257CUnknown-257CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0-253D-257C1000-26sdata-3D6rNOgDUdzSebLUxbkSqsJbKRUzigoRLy7pennsQdfTw-253D-26reserved-3D0&d=DwMGaQ&c=jf_iaSHvJObTbx-siA1ZOg&r=FQDpwBG7KwwGhEnfoJVqI4ZO7byT-VOIyUCmYFns2G0&m=VPSXUIhdXeZTsc-I47lpvUP-_R0MXn3Ywh9Sm-KzWZg&s=6i7aHbl3zBF-v_HGZXbRGqVxIdgSH79Ps9vBId36jZI&e=) to register a third party app. Once registration is complete and HealthPartners approves, HealthPartners will securely send credentials to authenticate to the API.

## OAuth

Provider Directory supports direct access to the IBM FHIR server.

Provider Directory service URL: <https://healthpartners.healthinteroperability.watson-health.ibm.com/provider-directory/v4/metadata>

# Endpoint

## GET /Endpoint/{id}/\_history

Return the history of an Endpoint resource (**historyEndpoint**)

**Path parameters**

**id (required)**

*Path Parameter* — logical identifier

**Return type**

[Bundle](#_Bundle)

**Example data**

Content-Type: application/json

{

"resourceType" : "Bundle",

"meta" : {

"tag" : [ {

"code" : "ibm/minimal"

} ]

},

"\_type" : {

"extension" : [ {

"url" : "http://hl7.org/fhir/StructureDefinition/data-absent-reason",

"valueCode" : "unknown"

} ]

}

}

**Produces**

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

* application/fhir+json

**Responses**

**200**

History Endpoint operation successful [Bundle](#_Bundle)

## GET /Endpoint/{id}

Read an Endpoint resource (**readEndpoint**)

**Path parameters**

**id (required)**

*Path Parameter* — logical identifier

**Return type**

[Endpoint](#_Endpoint)

**Example data**

Content-Type: application/json

{

"resourceType" : "Endpoint",

"meta" : {

"tag" : [ {

"code" : "ibm/minimal"

} ]

},

"\_status" : {

"extension" : [ {

"url" : "http://hl7.org/fhir/StructureDefinition/data-absent-reason",

"valueCode" : "unknown"

} ]

},

"connectionType" : {

"extension" : [ {

"url" : "http://hl7.org/fhir/StructureDefinition/data-absent-reason",

"valueCode" : "unknown"

} ]

},

"payloadType" : [ {

"coding" : [ {

"extension" : [ {

"url" : "http://hl7.org/fhir/StructureDefinition/data-absent-reason",

"valueCode" : "unknown"

} ]

} ]

} ],

"\_address" : {

"extension" : [ {

"url" : "http://hl7.org/fhir/StructureDefinition/data-absent-reason",

"valueCode" : "unknown"

} ]

}

}

**Produces**

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

* application/fhir+json

**Responses**

**200**

Read Endpoint operation successful [Endpoint](#_Endpoint)

## GET /Endpoint

Search for Endpoint resources (**searchEndpoint**)

**Query parameters**

**payload-type (optional)**

*Query Parameter* — The type of content that may be used at this endpoint (e.g. XDS Discharge summaries)

**identifier (optional)**

*Query Parameter* — Identifies this endpoint across multiple systems

**connection-type (optional)**

*Query Parameter* — Protocol/Profile/Standard to be used with this endpoint connection

**organization (optional)**

*Query Parameter* — The organization that is managing the endpoint

**name (optional)**

*Query Parameter* — A name that this endpoint can be identified by

**status (optional)**

*Query Parameter* — The current status of the Endpoint (usually expected to be active)

**\_profile (optional)**

*Query Parameter* — Profiles this resource claims to conform to

**\_lastUpdated (optional)**

*Query Parameter* — When the resource version last changed

**\_tag (optional)**

*Query Parameter* — Tags applied to this resource

**\_security (optional)**

*Query Parameter* — Security Labels applied to this resource

**\_source (optional)**

*Query Parameter* — Identifies where the resource comes from

**\_id (optional)**

*Query Parameter* — Logical id of this artifact

**Return type**

[**Bundle**](#_Bundle_1)

**Example data**

Content-Type: application/json

{

"resourceType" : "Bundle",

"meta" : {

"tag" : [ {

"code" : "ibm/minimal"

} ]

},

"\_type" : {

"extension" : [ {

"url" : "http://hl7.org/fhir/StructureDefinition/data-absent-reason",

"valueCode" : "unknown"

} ]

}

}

**Produces**

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

* application/fhir+json

**Responses**

**200**

Search Endpoint operation successful [**Bundle**](#_Bundle_1)

## POST /Endpoint/\_search

Search for Endpoint resources (**searchViaPostEndpoint**)

**Consumes**

This API call consumes the following media types via the Content-Type request header:

* application/x-www-form-urlencoded

**Query parameters**

**payload-type (optional)**

*Query Parameter* — The type of content that may be used at this endpoint (e.g. XDS Discharge summaries)

**identifier (optional)**

*Query Parameter* — Identifies this endpoint across multiple systems

**connection-type (optional)**

*Query Parameter* — Protocol/Profile/Standard to be used with this endpoint connection

**organization (optional)**

*Query Parameter* — The organization that is managing the endpoint

**name (optional)**

*Query Parameter* — A name that this endpoint can be identified by

**status (optional)**

*Query Parameter* — The current status of the Endpoint (usually expected to be active)

**\_profile (optional)**

*Query Parameter* — Profiles this resource claims to conform to

**\_lastUpdated (optional)**

*Query Parameter* — When the resource version last changed

**\_tag (optional)**

*Query Parameter* — Tags applied to this resource

**\_security (optional)**

*Query Parameter* — Security Labels applied to this resource

**\_source (optional)**

*Query Parameter* — Identifies where the resource comes from

**\_id (optional)**

*Query Parameter* — Logical id of this artifact

**Return type**

[**Bundle**](#_Bundle_1)

**Example data**

Content-Type: application/json

{

"resourceType" : "Bundle",

"meta" : {

"tag" : [ {

"code" : "ibm/minimal"

} ]

},

"\_type" : {

"extension" : [ {

"url" : "http://hl7.org/fhir/StructureDefinition/data-absent-reason",

"valueCode" : "unknown"

} ]

}

}

**Produces**

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

* application/fhir+json

**Responses**

**200**

Search Endpoint operation successful [Bundle](#_Bundle)

## GET /Endpoint/{id}/\_history/{vid}

Read specific version of an Endpoint resource (**vreadEndpoint**)

**Path parameters**

**id (required)**

*Path Parameter* — logical identifier

**vid (required)**

*Path Parameter* — version identifier

**Return type**

[Endpoint](#_Endpoint)

**Example data**

Content-Type: application/json

{

"resourceType" : "Endpoint",

"meta" : {

"tag" : [ {

"code" : "ibm/minimal"

} ]

},

"\_status" : {

"extension" : [ {

"url" : "http://hl7.org/fhir/StructureDefinition/data-absent-reason",

"valueCode" : "unknown"

} ]

},

"connectionType" : {

"extension" : [ {

"url" : "http://hl7.org/fhir/StructureDefinition/data-absent-reason",

"valueCode" : "unknown"

} ]

},

"payloadType" : [ {

"coding" : [ {

"extension" : [ {

"url" : "http://hl7.org/fhir/StructureDefinition/data-absent-reason",

"valueCode" : "unknown"

} ]

} ]

} ],

"\_address" : {

"extension" : [ {

"url" : "http://hl7.org/fhir/StructureDefinition/data-absent-reason",

"valueCode" : "unknown"

} ]

}

}

**Produces**

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

* application/fhir+json

**Responses**

**200**

Versioned read Endpoint operation successful [Endpoint](#_Endpoint)

# HealthcareService

## GET /HealthcareService/{id}/\_history

Return the history of a HealthcareService resource (**historyHealthcareService**)

**Path parameters**

**id (required)**

*Path Parameter* — logical identifier

**Return type**

[**Bundle**](#_Bundle_1)

**Example data**

Content-Type: application/json

{

"resourceType" : "Bundle",

"meta" : {

"tag" : [ {

"code" : "ibm/minimal"

} ]

},

"\_type" : {

"extension" : [ {

"url" : "http://hl7.org/fhir/StructureDefinition/data-absent-reason",

"valueCode" : "unknown"

} ]

}

}

**Produces**

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

* application/fhir+json

**Responses**

**200**

History HealthcareService operation successful [**Bundle**](#_Bundle_1)

## GET /HealthcareService/{id}

Read a HealthcareService resource (**readHealthcareService**)

**Path parameters**

**id (required)**

*Path Parameter* — logical identifier

**Return type**

[HealthcareService](#_HealthcareService)

**Example data**

Content-Type: application/json

{

"resourceType" : "HealthcareService",

"meta" : {

"tag" : [ {

"code" : "ibm/minimal"

} ]

}

}

**Produces**

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

* application/fhir+json

**Responses**

**200**

Read HealthcareService operation successful [HealthcareService](#_HealthcareService)

## GET /HealthcareService

Search for HealthcareService resources (**searchHealthcareService**)

**Query parameters**

**identifier (optional)**

*Query Parameter* — External identifiers for this item

**specialty (optional)**

*Query Parameter* — The specialty of the service provided by this healthcare service

**endpoint (optional)**

*Query Parameter* — Technical endpoints providing access to electronic services operated for the healthcare service

**service-category (optional)**

*Query Parameter* — Service Category of the Healthcare Service

**coverage-area (optional)**

*Query Parameter* — Location(s) service is intended for/available to

**service-type (optional)**

*Query Parameter* — The type of service provided by this healthcare service

**organization (optional)**

*Query Parameter* — The organization that provides this Healthcare Service

**name (optional)**

*Query Parameter* — A portion of the Healthcare service name

**active (optional)**

*Query Parameter* — The Healthcare Service is currently marked as active

**location (optional)**

*Query Parameter* — The location of the Healthcare Service

**program (optional)**

*Query Parameter* — One of the Programs supported by this HealthcareService

**characteristic (optional)**

*Query Parameter* — One of the HealthcareService's characteristics

**\_profile (optional)**

*Query Parameter* — Profiles this resource claims to conform to

**\_lastUpdated (optional)**

*Query Parameter* — When the resource version last changed

**\_tag (optional)**

*Query Parameter* — Tags applied to this resource

**\_security (optional)**

*Query Parameter* — Security Labels applied to this resource

**\_source (optional)**

*Query Parameter* — Identifies where the resource comes from

**\_id (optional)**

*Query Parameter* — Logical id of this artifact

**Return type**

[Bundle](#_Bundle)

**Example data**

Content-Type: application/json

{

"resourceType" : "Bundle",

"meta" : {

"tag" : [ {

"code" : "ibm/minimal"

} ]

},

"\_type" : {

"extension" : [ {

"url" : "http://hl7.org/fhir/StructureDefinition/data-absent-reason",

"valueCode" : "unknown"

} ]

}

}

**Produces**

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

* application/fhir+json

**Responses**

**200**

Search HealthcareService operation successful [Bundle](#_Bundle)

## POST /HealthcareService/\_search

Search for HealthcareService resources (**searchViaPostHealthcareService**)

**Consumes**

This API call consumes the following media types via the Content-Type request header:

* application/x-www-form-urlencoded

**Query parameters**

**identifier (optional)**

*Query Parameter* — External identifiers for this item

**specialty (optional)**

*Query Parameter* — The specialty of the service provided by this healthcare service

**endpoint (optional)**

*Query Parameter* — Technical endpoints providing access to electronic services operated for the healthcare service

**service-category (optional)**

*Query Parameter* — Service Category of the Healthcare Service

**coverage-area (optional)**

*Query Parameter* — Location(s) service is intended for/available to

**service-type (optional)**

*Query Parameter* — The type of service provided by this healthcare service

**organization (optional)**

*Query Parameter* — The organization that provides this Healthcare Service

**name (optional)**

*Query Parameter* — A portion of the Healthcare service name

**active (optional)**

*Query Parameter* — The Healthcare Service is currently marked as active

**location (optional)**

*Query Parameter* — The location of the Healthcare Service

**program (optional)**

*Query Parameter* — One of the Programs supported by this HealthcareService

**characteristic (optional)**

*Query Parameter* — One of the HealthcareService's characteristics

**\_profile (optional)**

*Query Parameter* — Profiles this resource claims to conform to

**\_lastUpdated (optional)**

*Query Parameter* — When the resource version last changed

**\_tag (optional)**

*Query Parameter* — Tags applied to this resource

**\_security (optional)**

*Query Parameter* — Security Labels applied to this resource

**\_source (optional)**

*Query Parameter* — Identifies where the resource comes from

**\_id (optional)**

*Query Parameter* — Logical id of this artifact

**Return type**

[Bundle](#_Bundle)

**Example data**

Content-Type: application/json

{

"resourceType" : "Bundle",

"meta" : {

"tag" : [ {

"code" : "ibm/minimal"

} ]

},

"\_type" : {

"extension" : [ {

"url" : "http://hl7.org/fhir/StructureDefinition/data-absent-reason",

"valueCode" : "unknown"

} ]

}

}

**Produces**

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

* application/fhir+json

**Responses**

**200**

Search HealthcareService operation successful [Bundle](#_Bundle)

## GET /HealthcareService/{id}/\_history/{vid}

Read specific version of a HealthcareService resource (**vreadHealthcareService**)

**Path parameters**

**id (required)**

*Path Parameter* — logical identifier

**vid (required)**

*Path Parameter* — version identifier

**Return type**

[HealthcareService](#_HealthcareService)

**Example data**

Content-Type: application/json

{

"resourceType" : "HealthcareService",

"meta" : {

"tag" : [ {

"code" : "ibm/minimal"

} ]

}

}

**Produces**

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

* application/fhir+json

**Responses**

**200**

Versioned read HealthcareService operation successful [HealthcareService](#_HealthcareService)

# InsurancePlan

## GET /InsurancePlan/{id}/\_history

Return the history of an InsurancePlan resource (**historyInsurancePlan**)

**Path parameters**

**id (required)**

*Path Parameter* — logical identifier

**Return type**

[Bundle](#_Bundle)

**Example data**

Content-Type: application/json

{

"resourceType" : "Bundle",

"meta" : {

"tag" : [ {

"code" : "ibm/minimal"

} ]

},

"\_type" : {

"extension" : [ {

"url" : "http://hl7.org/fhir/StructureDefinition/data-absent-reason",

"valueCode" : "unknown"

} ]

}

}

**Produces**

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

* application/fhir+json

**Responses**

**200**

History InsurancePlan operation successful [Bundle](#_Bundle)

## GET /InsurancePlan/{id}

Read an InsurancePlan resource (**readInsurancePlan**)

**Path parameters**

**id (required)**

*Path Parameter* — logical identifier

**Return type**

[InsurancePlan](#_InsurancePlan)

**Example data**

Content-Type: application/json

{

"resourceType" : "InsurancePlan",

"meta" : {

"tag" : [ {

"code" : "ibm/minimal"

} ]

}

}

**Produces**

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

* application/fhir+json

**Responses**

**200**

Read InsurancePlan operation successful [InsurancePlan](#_InsurancePlan)

## GET /InsurancePlan

Search for InsurancePlan resources (**searchInsurancePlan**)

**Query parameters**

**identifier (optional)**

*Query Parameter* — Any identifier for the organization (not the accreditation issuer's identifier)

**address (optional)**

*Query Parameter* — 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

**address-state (optional)**

*Query Parameter* — A state specified in an address

**owned-by (optional)**

*Query Parameter* — An organization of which this organization forms a part

**type (optional)**

*Query Parameter* — A code for the type of organization

**address-postalcode (optional)**

*Query Parameter* — A postal code specified in an address

**address-country (optional)**

*Query Parameter* — A country specified in an address

**administered-by (optional)**

*Query Parameter* — Product administrator

**endpoint (optional)**

*Query Parameter* — Technical endpoint

**phonetic (optional)**

*Query Parameter* — A portion of the organization's name using some kind of phonetic matching algorithm

**name (optional)**

*Query Parameter* — A portion of the organization's name or alias

**address-use (optional)**

*Query Parameter* — A use code specified in an address

**address-city (optional)**

*Query Parameter* — A city specified in an address

**status (optional)**

*Query Parameter* — Is the Organization record active

**\_profile (optional)**

*Query Parameter* — Profiles this resource claims to conform to

**\_lastUpdated (optional)**

*Query Parameter* — When the resource version last changed

**\_tag (optional)**

*Query Parameter* — Tags applied to this resource

**\_security (optional)**

*Query Parameter* — Security Labels applied to this resource

**\_source (optional)**

*Query Parameter* — Identifies where the resource comes from

**\_id (optional)**

*Query Parameter* — Logical id of this artifact

**Return type**

[Bundle](#_Bundle)

**Example data**

Content-Type: application/json

{

"resourceType" : "Bundle",

"meta" : {

"tag" : [ {

"code" : "ibm/minimal"

} ]

},

"\_type" : {

"extension" : [ {

"url" : "http://hl7.org/fhir/StructureDefinition/data-absent-reason",

"valueCode" : "unknown"

} ]

}

}

**Produces**

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

* application/fhir+json

**Responses**

**200**

Search InsurancePlan operation successful [Bundle](#_Bundle)

## POST /InsurancePlan/\_search

Search for InsurancePlan resources (**searchViaPostInsurancePlan**)

**Consumes**

This API call consumes the following media types via the Content-Type request header:

* application/x-www-form-urlencoded

**Query parameters**

**identifier (optional)**

*Query Parameter* — Any identifier for the organization (not the accreditation issuer's identifier)

**address (optional)**

*Query Parameter* — 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

**address-state (optional)**

*Query Parameter* — A state specified in an address

**owned-by (optional)**

*Query Parameter* — An organization of which this organization forms a part

**type (optional)**

*Query Parameter* — A code for the type of organization

**address-postalcode (optional)**

*Query Parameter* — A postal code specified in an address

**address-country (optional)**

*Query Parameter* — A country specified in an address

**administered-by (optional)**

*Query Parameter* — Product administrator

**endpoint (optional)**

*Query Parameter* — Technical endpoint

**phonetic (optional)**

*Query Parameter* — A portion of the organization's name using some kind of phonetic matching algorithm

**name (optional)**

*Query Parameter* — A portion of the organization's name or alias

**address-use (optional)**

*Query Parameter* — A use code specified in an address

**address-city (optional)**

*Query Parameter* — A city specified in an address

**status (optional)**

*Query Parameter* — Is the Organization record active

**\_profile (optional)**

*Query Parameter* — Profiles this resource claims to conform to

**\_lastUpdated (optional)**

*Query Parameter* — When the resource version last changed

**\_tag (optional)**

*Query Parameter* — Tags applied to this resource

**\_security (optional)**

*Query Parameter* — Security Labels applied to this resource

**\_source (optional)**

*Query Parameter* — Identifies where the resource comes from

**\_id (optional)**

*Query Parameter* — Logical id of this artifact

**Return type**

[Bundle](#_Bundle)

**Example data**

Content-Type: application/json

{

"resourceType" : "Bundle",

"meta" : {

"tag" : [ {

"code" : "ibm/minimal"

} ]

},

"\_type" : {

"extension" : [ {

"url" : "http://hl7.org/fhir/StructureDefinition/data-absent-reason",

"valueCode" : "unknown"

} ]

}

}

**Produces**

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

* application/fhir+json

**Responses**

**200**

Search InsurancePlan operation successful [Bundle](#_Bundle)

## GET /InsurancePlan/{id}/\_history/{vid}

Read specific version of an InsurancePlan resource (**vreadInsurancePlan**)

**Path parameters**

**id (required)**

*Path Parameter* — logical identifier

**vid (required)**

*Path Parameter* — version identifier

**Return type**

[InsurancePlan](#_InsurancePlan)

**Example data**

Content-Type: application/json

{

"resourceType" : "InsurancePlan",

"meta" : {

"tag" : [ {

"code" : "ibm/minimal"

} ]

}

}

**Produces**

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

* application/fhir+json

**Responses**

**200**

Versioned read InsurancePlan operation successful [InsurancePlan](#_InsurancePlan)

# Location

## GET /Location/{id}/\_history

Return the history of a Location resource (**historyLocation**)

**Path parameters**

**id (required)**

*Path Parameter* — logical identifier

**Return type**

[Bundle](#_Bundle)

**Example data**

Content-Type: application/json

{

"resourceType" : "Bundle",

"meta" : {

"tag" : [ {

"code" : "ibm/minimal"

} ]

},

"\_type" : {

"extension" : [ {

"url" : "http://hl7.org/fhir/StructureDefinition/data-absent-reason",

"valueCode" : "unknown"

} ]

}

}

**Produces**

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

* application/fhir+json

**Responses**

**200**

History Location operation successful [Bundle](#_Bundle)

## GET /Location/{id}

Read a Location resource (**readLocation**)

**Path parameters**

**id (required)**

*Path Parameter* — logical identifier

**Return type**

[Location](#_Location)

**Example data**

Content-Type: application/json

{

"resourceType" : "Location",

"meta" : {

"tag" : [ {

"code" : "ibm/minimal"

} ]

}

}

**Produces**

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

* application/fhir+json

**Responses**

**200**

Read Location operation successful [Location](#_Location)

## GET /Location

Search for Location resources (**searchLocation**)

**Query parameters**

**identifier (optional)**

*Query Parameter* — An identifier for the location

**partof (optional)**

*Query Parameter* — A location of which this location is a part

**address (optional)**

*Query Parameter* — A (part of the) address of the location

**address-state (optional)**

*Query Parameter* — A state specified in an address

**operational-status (optional)**

*Query Parameter* — Searches for locations (typically bed/room) that have an operational status (e.g. contaminated, housekeeping)

**type (optional)**

*Query Parameter* — A code for the type of location

**address-postalcode (optional)**

*Query Parameter* — A postal code specified in an address

**address-country (optional)**

*Query Parameter* — A country specified in an address

**endpoint (optional)**

*Query Parameter* — Technical endpoints providing access to services operated for the location

**organization (optional)**

*Query Parameter* — Searches for locations that are managed by the provided organization

**name (optional)**

*Query Parameter* — A portion of the location's name or alias

**address-use (optional)**

*Query Parameter* — A use code specified in an address

**near (optional)**

*Query Parameter* — <p>Search for locations where the location.position is near to, or within a specified distance of, the provided coordinates expressed as [latitude]|[longitude]|[distance]|[units] (using the WGS84 datum, see notes). If the units are omitted, then kms should be assumed. If the distance is omitted, then the server can use its own discretion as to what distances should be considered near (and units are irrelevant)</p> <p>Servers may search using various techniques that might have differing accuracies, depending on implementation efficiency.</p> <p>Requires the near-distance parameter to be provided also</p>

**address-city (optional)**

*Query Parameter* — A city specified in an address

**status (optional)**

*Query Parameter* — Searches for locations with a specific kind of status

**\_profile (optional)**

*Query Parameter* — Profiles this resource claims to conform to

**\_lastUpdated (optional)**

*Query Parameter* — When the resource version last changed

**\_tag (optional)**

*Query Parameter* — Tags applied to this resource

**\_security (optional)**

*Query Parameter* — Security Labels applied to this resource

**\_source (optional)**

*Query Parameter* — Identifies where the resource comes from

**\_id (optional)**

*Query Parameter* — Logical id of this artifact

**Return type**

[Bundle](#_Bundle)

**Example data**

Content-Type: application/json

{

"resourceType" : "Bundle",

"meta" : {

"tag" : [ {

"code" : "ibm/minimal"

} ]

},

"\_type" : {

"extension" : [ {

"url" : "http://hl7.org/fhir/StructureDefinition/data-absent-reason",

"valueCode" : "unknown"

} ]

}

}

**Produces**

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

* application/fhir+json

**Responses**

**200**

Search Location operation successful [Bundle](#_Bundle)

## POST /Location/\_search

Search for Location resources (**searchViaPostLocation**)

**Consumes**

This API call consumes the following media types via the Content-Type request header:

* application/x-www-form-urlencoded

**Query parameters**

**identifier (optional)**

*Query Parameter* — An identifier for the location

**partof (optional)**

*Query Parameter* — A location of which this location is a part

**address (optional)**

*Query Parameter* — A (part of the) address of the location

**address-state (optional)**

*Query Parameter* — A state specified in an address

**operational-status (optional)**

*Query Parameter* — Searches for locations (typically bed/room) that have an operational status (e.g. contaminated, housekeeping)

**type (optional)**

*Query Parameter* — A code for the type of location

**address-postalcode (optional)**

*Query Parameter* — A postal code specified in an address

**address-country (optional)**

*Query Parameter* — A country specified in an address

**endpoint (optional)**

*Query Parameter* — Technical endpoints providing access to services operated for the location

**organization (optional)**

*Query Parameter* — Searches for locations that are managed by the provided organization

**name (optional)**

*Query Parameter* — A portion of the location's name or alias

**address-use (optional)**

*Query Parameter* — A use code specified in an address

**near (optional)**

*Query Parameter* — <p>Search for locations where the location.position is near to, or within a specified distance of, the provided coordinates expressed as [latitude]|[longitude]|[distance]|[units] (using the WGS84 datum, see notes). If the units are omitted, then kms should be assumed. If the distance is omitted, then the server can use its own discretion as to what distances should be considered near (and units are irrelevant)</p> <p>Servers may search using various techniques that might have differing accuracies, depending on implementation efficiency.</p> <p>Requires the near-distance parameter to be provided also</p>

**address-city (optional)**

*Query Parameter* — A city specified in an address

**status (optional)**

*Query Parameter* — Searches for locations with a specific kind of status

**\_profile (optional)**

*Query Parameter* — Profiles this resource claims to conform to

**\_lastUpdated (optional)**

*Query Parameter* — When the resource version last changed

**\_tag (optional)**

*Query Parameter* — Tags applied to this resource

**\_security (optional)**

*Query Parameter* — Security Labels applied to this resource

**\_source (optional)**

*Query Parameter* — Identifies where the resource comes from

**\_id (optional)**

*Query Parameter* — Logical id of this artifact

**Return type**

[Bundle](#_Bundle)

**Example data**

Content-Type: application/json

{

"resourceType" : "Bundle",

"meta" : {

"tag" : [ {

"code" : "ibm/minimal"

} ]

},

"\_type" : {

"extension" : [ {

"url" : "http://hl7.org/fhir/StructureDefinition/data-absent-reason",

"valueCode" : "unknown"

} ]

}

}

**Produces**

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

* application/fhir+json

**Responses**

**200**

Search Location operation successful[Bundle](#_Bundle)

## GET /Location/{id}/\_history/{vid}

Read specific version of a Location resource (**vreadLocation**)

**Path parameters**

**id (required)**

*Path Parameter* — logical identifier

**vid (required)**

*Path Parameter* — version identifier

**Return type**

[Location](#_Location)

**Example data**

Content-Type: application/json

{

"resourceType" : "Location",

"meta" : {

"tag" : [ {

"code" : "ibm/minimal"

} ]

}

}

**Produces**

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

* application/fhir+json

**Responses**

**200**

Versioned read Location operation successful [Location](#_Location)

# Organization

## GET /Organization/{id}/\_history

Return the history of an Organization resource (**historyOrganization**)

**Path parameters**

**id (required)**

*Path Parameter* — logical identifier

**Return type**

[**Bundle**](#_Bundle_1)

**Example data**

Content-Type: application/json

{

"resourceType" : "Bundle",

"meta" : {

"tag" : [ {

"code" : "ibm/minimal"

} ]

},

"\_type" : {

"extension" : [ {

"url" : "http://hl7.org/fhir/StructureDefinition/data-absent-reason",

"valueCode" : "unknown"

} ]

}

}

**Produces**

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

* application/fhir+json

**Responses**

**200**

History Organization operation successful [**Bundle**](#_Bundle_1)

## GET /Organization/{id}

Read an Organization resource (**readOrganization**)

**Path parameters**

**id (required)**

*Path Parameter* — logical identifier

**Return type**

[Organization](#_Organization)

**Example data**

Content-Type: application/json

{

"resourceType" : "Organization",

"meta" : {

"tag" : [ {

"code" : "ibm/minimal"

} ]

}

}

**Produces**

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

* application/fhir+json

**Responses**

**200**

Read Organization operation successful [Organization](#_Organization)

## GET /Organization

Search for Organization resources (**searchOrganization**)

**Query parameters**

**identifier (optional)**

*Query Parameter* — Any identifier for the organization (not the accreditation issuer's identifier)

**partof (optional)**

*Query Parameter* — An organization of which this organization forms a part

**address (optional)**

*Query Parameter* — 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

**address-state (optional)**

*Query Parameter* — A state specified in an address

**active (optional)**

*Query Parameter* — Is the Organization record active

**type (optional)**

*Query Parameter* — A code for the type of organization

**address-postalcode (optional)**

*Query Parameter* — A postal code specified in an address

**address-country (optional)**

*Query Parameter* — A country specified in an address

**endpoint (optional)**

*Query Parameter* — Technical endpoints providing access to services operated for the organization

**phonetic (optional)**

*Query Parameter* — A portion of the organization's name using some kind of phonetic matching algorithm

**name (optional)**

*Query Parameter* — A portion of the organization's name or alias

**address-use (optional)**

*Query Parameter* — A use code specified in an address

**address-city (optional)**

*Query Parameter* — A city specified in an address

**\_profile (optional)**

*Query Parameter* — Profiles this resource claims to conform to

**\_lastUpdated (optional)**

*Query Parameter* — When the resource version last changed

**\_tag (optional)**

*Query Parameter* — Tags applied to this resource

**\_security (optional)**

*Query Parameter* — Security Labels applied to this resource

**\_source (optional)**

*Query Parameter* — Identifies where the resource comes from

**\_id (optional)**

*Query Parameter* — Logical id of this artifact

**Return type**

[**Bundle**](#_Bundle_1)

**Example data**

Content-Type: application/json

{

"resourceType" : "Bundle",

"meta" : {

"tag" : [ {

"code" : "ibm/minimal"

} ]

},

"\_type" : {

"extension" : [ {

"url" : "http://hl7.org/fhir/StructureDefinition/data-absent-reason",

"valueCode" : "unknown"

} ]

}

}

**Produces**

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

* application/fhir+json

**Responses**

**200**

Search Organization operation successful [**Bundle**](#_Bundle_1)

## POST /Organization/\_search

Search for Organization resources (**searchViaPostOrganization**)

**Consumes**

This API call consumes the following media types via the Content-Type request header:

* application/x-www-form-urlencoded

**Query parameters**

**identifier (optional)**

*Query Parameter* — Any identifier for the organization (not the accreditation issuer's identifier)

**partof (optional)**

*Query Parameter* — An organization of which this organization forms a part

**address (optional)**

*Query Parameter* — 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

**address-state (optional)**

*Query Parameter* — A state specified in an address

**active (optional)**

*Query Parameter* — Is the Organization record active

**type (optional)**

*Query Parameter* — A code for the type of organization

**address-postalcode (optional)**

*Query Parameter* — A postal code specified in an address

**address-country (optional)**

*Query Parameter* — A country specified in an address

**endpoint (optional)**

*Query Parameter* — Technical endpoints providing access to services operated for the organization

**phonetic (optional)**

*Query Parameter* — A portion of the organization's name using some kind of phonetic matching algorithm

**name (optional)**

*Query Parameter* — A portion of the organization's name or alias

**address-use (optional)**

*Query Parameter* — A use code specified in an address

**address-city (optional)**

*Query Parameter* — A city specified in an address

**\_profile (optional)**

*Query Parameter* — Profiles this resource claims to conform to

**\_lastUpdated (optional)**

*Query Parameter* — When the resource version last changed

**\_tag (optional)**

*Query Parameter* — Tags applied to this resource

**\_security (optional)**

*Query Parameter* — Security Labels applied to this resource

**\_source (optional)**

*Query Parameter* — Identifies where the resource comes from

**\_id (optional)**

*Query Parameter* — Logical id of this artifact

**Return type**

[**Bundle**](#_Bundle_1)

**Example data**

Content-Type: application/json

{

"resourceType" : "Bundle",

"meta" : {

"tag" : [ {

"code" : "ibm/minimal"

} ]

},

"\_type" : {

"extension" : [ {

"url" : "http://hl7.org/fhir/StructureDefinition/data-absent-reason",

"valueCode" : "unknown"

} ]

}

}

**Produces**

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

* application/fhir+json

**Responses**

**200**

Search Organization operation successful [**Bundle**](#_Bundle_1)

## GET /Organization/{id}/\_history/{vid}

Read specific version of an Organization resource (**vreadOrganization**)

**Path parameters**

**id (required)**

*Path Parameter* — logical identifier

**vid (required)**

*Path Parameter* — version identifier

**Return type**

[Organization](#_Organization)

**Example data**

Content-Type: application/json

{

"resourceType" : "Organization",

"meta" : {

"tag" : [ {

"code" : "ibm/minimal"

} ]

}

}

**Produces**

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

* application/fhir+json

**Responses**

**200**

Versioned read Organization operation successful [Organization](#_Organization)

# OrganizationAffiliation

## GET /OrganizationAffiliation/{id}/\_history

Return the history of an OrganizationAffiliation resource (**historyOrganizationAffiliation**)

**Path parameters**

**id (required)**

*Path Parameter* — logical identifier

**Return type**

[**Bundle**](#_Bundle_1)

**Example data**

Content-Type: application/json

{

"resourceType" : "Bundle",

"meta" : {

"tag" : [ {

"code" : "ibm/minimal"

} ]

},

"\_type" : {

"extension" : [ {

"url" : "http://hl7.org/fhir/StructureDefinition/data-absent-reason",

"valueCode" : "unknown"

} ]

}

}

**Produces**

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

* application/fhir+json

**Responses**

**200**

History OrganizationAffiliation operation successful [**Bundle**](#_Bundle_1)

## GET /OrganizationAffiliation/{id}

Read an OrganizationAffiliation resource (**readOrganizationAffiliation**)

**Path parameters**

**id (required)**

*Path Parameter* — logical identifier

**Return type**

[OrganizationAffiliation](#_OrganizationAffiliation)

**Example data**

Content-Type: application/json

{

"resourceType" : "OrganizationAffiliation",

"meta" : {

"tag" : [ {

"code" : "ibm/minimal"

} ]

}

}

**Produces**

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

* application/fhir+json

**Responses**

**200**

Read OrganizationAffiliation operation successful [OrganizationAffiliation](#_OrganizationAffiliation)

## GET /OrganizationAffiliation

Search for OrganizationAffiliation resources (**searchOrganizationAffiliation**)

**Query parameters**

**date (optional)**

*Query Parameter* — The period during which the participatingOrganization is affiliated with the primary organization

**identifier (optional)**

*Query Parameter* — An organization affiliation's Identifier

**specialty (optional)**

*Query Parameter* — Specific specialty of the participatingOrganization in the context of the role

**role (optional)**

*Query Parameter* — Definition of the role the participatingOrganization plays

**active (optional)**

*Query Parameter* — Whether this organization affiliation record is in active use

**primary-organization (optional)**

*Query Parameter* — The organization that receives the services from the participating organization

**network (optional)**

*Query Parameter* — Health insurance provider network in which the participatingOrganization provides the role's services (if defined) at the indicated locations (if defined)

**endpoint (optional)**

*Query Parameter* — Technical endpoints providing access to services operated for this role

**phone (optional)**

*Query Parameter* — A value in a phone contact

**service (optional)**

*Query Parameter* — Healthcare services provided through the role

**participating-organization (optional)**

*Query Parameter* — The organization that provides services to the primary organization

**telecom (optional)**

*Query Parameter* — The value in any kind of contact

**location (optional)**

*Query Parameter* — The location(s) at which the role occurs

**email (optional)**

*Query Parameter* — A value in an email contact

**\_profile (optional)**

*Query Parameter* — Profiles this resource claims to conform to

**\_lastUpdated (optional)**

*Query Parameter* — When the resource version last changed

**\_tag (optional)**

*Query Parameter* — Tags applied to this resource

**\_security (optional)**

*Query Parameter* — Security Labels applied to this resource

**\_source (optional)**

*Query Parameter* — Identifies where the resource comes from

**\_id (optional)**

*Query Parameter* — Logical id of this artifact

**Return type**

**[Bundle](#_Bundle_1)**

**Example data**

Content-Type: application/json

{

"resourceType" : "Bundle",

"meta" : {

"tag" : [ {

"code" : "ibm/minimal"

} ]

},

"\_type" : {

"extension" : [ {

"url" : "http://hl7.org/fhir/StructureDefinition/data-absent-reason",

"valueCode" : "unknown"

} ]

}

}

**Produces**

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

* application/fhir+json

**Responses**

**200**

Search OrganizationAffiliation operation successful [**Bundle**](#_Bundle_1)

## POST /OrganizationAffiliation/\_search

Search for OrganizationAffiliation resources (**searchViaPostOrganizationAffiliation**)

**Consumes**

This API call consumes the following media types via the Content-Type request header:

* application/x-www-form-urlencoded

**Query parameters**

**date (optional)**

*Query Parameter* — The period during which the participatingOrganization is affiliated with the primary organization

**identifier (optional)**

*Query Parameter* — An organization affiliation's Identifier

**specialty (optional)**

*Query Parameter* — Specific specialty of the participatingOrganization in the context of the role

**role (optional)**

*Query Parameter* — Definition of the role the participatingOrganization plays

**active (optional)**

*Query Parameter* — Whether this organization affiliation record is in active use

**primary-organization (optional)**

*Query Parameter* — The organization that receives the services from the participating organization

**network (optional)**

*Query Parameter* — Health insurance provider network in which the participatingOrganization provides the role's services (if defined) at the indicated locations (if defined)

**endpoint (optional)**

*Query Parameter* — Technical endpoints providing access to services operated for this role

**phone (optional)**

*Query Parameter* — A value in a phone contact

**service (optional)**

*Query Parameter* — Healthcare services provided through the role

**participating-organization (optional)**

*Query Parameter* — The organization that provides services to the primary organization

**telecom (optional)**

*Query Parameter* — The value in any kind of contact

**location (optional)**

*Query Parameter* — The location(s) at which the role occurs

**email (optional)**

*Query Parameter* — A value in an email contact

**\_profile (optional)**

*Query Parameter* — Profiles this resource claims to conform to

**\_lastUpdated (optional)**

*Query Parameter* — When the resource version last changed

**\_tag (optional)**

*Query Parameter* — Tags applied to this resource

**\_security (optional)**

*Query Parameter* — Security Labels applied to this resource

**\_source (optional)**

*Query Parameter* — Identifies where the resource comes from

**\_id (optional)**

*Query Parameter* — Logical id of this artifact

**Return type**

[**Bundle**](#_Bundle_1)

**Example data**

Content-Type: application/json

{

"resourceType" : "Bundle",

"meta" : {

"tag" : [ {

"code" : "ibm/minimal"

} ]

},

"\_type" : {

"extension" : [ {

"url" : "http://hl7.org/fhir/StructureDefinition/data-absent-reason",

"valueCode" : "unknown"

} ]

}

}

**Produces**

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

* application/fhir+json

**Responses**

**200**

Search OrganizationAffiliation operation successful [**Bundle**](#_Bundle_1)

## GET /OrganizationAffiliation/{id}/\_history/{vid}

Read specific version of an OrganizationAffiliation resource (**vreadOrganizationAffiliation**)

**Path parameters**

**id (required)**

*Path Parameter* — logical identifier

**vid (required)**

*Path Parameter* — version identifier

**Return type**

[OrganizationAffiliation](#_OrganizationAffiliation)

**Example data**

Content-Type: application/json

{

"resourceType" : "OrganizationAffiliation",

"meta" : {

"tag" : [ {

"code" : "ibm/minimal"

} ]

}

}

**Produces**

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

* application/fhir+json

**Responses**

**200**

Versioned read OrganizationAffiliation operation successful [OrganizationAffiliation](#_OrganizationAffiliation)

# Other

## GET /metadata

Get the FHIR Capability statement for this endpoint (**metadata**)

**Return type**

[CapabilityStatement](#_CapabilityStatement)

**Example data**

Content-Type: application/json

{

"resourceType" : "CapabilityStatement",

"meta" : {

"tag" : [ {

"code" : "ibm/minimal"

} ]

},

"\_status" : {

"extension" : [ {

"url" : "http://hl7.org/fhir/StructureDefinition/data-absent-reason",

"valueCode" : "unknown"

} ]

},

"\_date" : {

"extension" : [ {

"url" : "http://hl7.org/fhir/StructureDefinition/data-absent-reason",

"valueCode" : "unknown"

} ]

},

"\_kind" : {

"extension" : [ {

"url" : "http://hl7.org/fhir/StructureDefinition/data-absent-reason",

"valueCode" : "unknown"

} ]

},

"\_fhirVersion" : {

"extension" : [ {

"url" : "http://hl7.org/fhir/StructureDefinition/data-absent-reason",

"valueCode" : "unknown"

} ]

},

"format" : [ null ],

"\_format" : [ {

"extension" : [ {

"url" : "http://hl7.org/fhir/StructureDefinition/data-absent-reason",

"valueCode" : "unknown"

} ]

} ]

}

**Produces**

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

* application/fhir+json

**Responses**

**200**

metadata operation successful [CapabilityStatement](#_CapabilityStatement)

# Practitioner

## GET /Practitioner/{id}/\_history

Return the history of a Practitioner resource (**historyPractitioner**)

**Path parameters**

**id (required)**

*Path Parameter* — logical identifier

**Return type**

[Bundle](#_Bundle)

**Example data**

Content-Type: application/json

{

"resourceType" : "Bundle",

"meta" : {

"tag" : [ {

"code" : "ibm/minimal"

} ]

},

"\_type" : {

"extension" : [ {

"url" : "http://hl7.org/fhir/StructureDefinition/data-absent-reason",

"valueCode" : "unknown"

} ]

}

}

**Produces**

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

* application/fhir+json

**Responses**

**200**

History Practitioner operation successful [Bundle](#_Bundle)

## GET /Practitioner/{id}

Read a Practitioner resource (**readPractitioner**)

**Path parameters**

**id (required)**

*Path Parameter* — logical identifier

**Return type**

[Practitioner](#_Practitioner)

**Example data**

Content-Type: application/json

{

"resourceType" : "Practitioner",

"meta" : {

"tag" : [ {

"code" : "ibm/minimal"

} ]

}

}

**Produces**

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

* application/fhir+json

**Responses**

**200**

Read Practitioner operation successful [Practitioner](#_Practitioner)

## GET /Practitioner

Search for Practitioner resources (**searchPractitioner**)

**Query parameters**

**given (optional)**

*Query Parameter* — <p>Multiple Resources:</p> <ul> <li><a href="patient.html">Patient</a>: A portion of the given name of the patient</li> <li><a href="practitioner.html">Practitioner</a>: A portion of the given name</li> </ul>

**identifier (optional)**

*Query Parameter* — A practitioner's Identifier

**address (optional)**

*Query Parameter* — <p>Multiple Resources:</p> <ul> <li><a href="patient.html">Patient</a>: 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</li> <li><a href="person.html">Person</a>: 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</li> <li><a href="practitioner.html">Practitioner</a>: 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</li> <li><a href="relatedperson.html">RelatedPerson</a>: 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</li> </ul>

**address-state (optional)**

*Query Parameter* — <p>Multiple Resources:</p> <ul> <li><a href="patient.html">Patient</a>: A state specified in an address</li> <li><a href="person.html">Person</a>: A state specified in an address</li> <li><a href="practitioner.html">Practitioner</a>: A state specified in an address</li> <li><a href="relatedperson.html">RelatedPerson</a>: A state specified in an address</li> </ul>

**gender (optional)**

*Query Parameter* — <p>Multiple Resources:</p> <ul> <li><a href="patient.html">Patient</a>: Gender of the patient</li> <li><a href="person.html">Person</a>: The gender of the person</li> <li><a href="practitioner.html">Practitioner</a>: Gender of the practitioner</li> <li><a href="relatedperson.html">RelatedPerson</a>: Gender of the related person</li> </ul>

**active (optional)**

*Query Parameter* — Whether the practitioner record is active

**address-postalcode (optional)**

*Query Parameter* — <p>Multiple Resources:</p> <ul> <li><a href="patient.html">Patient</a>: A postalCode specified in an address</li> <li><a href="person.html">Person</a>: A postal code specified in an address</li> <li><a href="practitioner.html">Practitioner</a>: A postalCode specified in an address</li> <li><a href="relatedperson.html">RelatedPerson</a>: A postal code specified in an address</li> </ul>

**address-country (optional)**

*Query Parameter* — <p>Multiple Resources:</p> <ul> <li><a href="patient.html">Patient</a>: A country specified in an address</li> <li><a href="person.html">Person</a>: A country specified in an address</li> <li><a href="practitioner.html">Practitioner</a>: A country specified in an address</li> <li><a href="relatedperson.html">RelatedPerson</a>: A country specified in an address</li> </ul>

**phonetic (optional)**

*Query Parameter* — <p>Multiple Resources:</p> <ul> <li><a href="patient.html">Patient</a>: A portion of either family or given name using some kind of phonetic matching algorithm</li> <li><a href="person.html">Person</a>: A portion of name using some kind of phonetic matching algorithm</li> <li><a href="practitioner.html">Practitioner</a>: A portion of either family or given name using some kind of phonetic matching algorithm</li> <li><a href="relatedperson.html">RelatedPerson</a>: A portion of name using some kind of phonetic matching algorithm</li> </ul>

**phone (optional)**

*Query Parameter* — <p>Multiple Resources:</p> <ul> <li><a href="patient.html">Patient</a>: A value in a phone contact</li> <li><a href="person.html">Person</a>: A value in a phone contact</li> <li><a href="practitioner.html">Practitioner</a>: A value in a phone contact</li> <li><a href="practitionerrole.html">PractitionerRole</a>: A value in a phone contact</li> <li><a href="relatedperson.html">RelatedPerson</a>: A value in a phone contact</li> </ul>

**name (optional)**

*Query Parameter* — A server defined search that may match any of the string fields in the HumanName, including family, give, prefix, suffix, suffix, and/or text

**address-use (optional)**

*Query Parameter* — <p>Multiple Resources:</p> <ul> <li><a href="patient.html">Patient</a>: A use code specified in an address</li> <li><a href="person.html">Person</a>: A use code specified in an address</li> <li><a href="practitioner.html">Practitioner</a>: A use code specified in an address</li> <li><a href="relatedperson.html">RelatedPerson</a>: A use code specified in an address</li> </ul>

**telecom (optional)**

*Query Parameter* — <p>Multiple Resources:</p> <ul> <li><a href="patient.html">Patient</a>: The value in any kind of telecom details of the patient</li> <li><a href="person.html">Person</a>: The value in any kind of contact</li> <li><a href="practitioner.html">Practitioner</a>: The value in any kind of contact</li> <li><a href="practitionerrole.html">PractitionerRole</a>: The value in any kind of contact</li> <li><a href="relatedperson.html">RelatedPerson</a>: The value in any kind of contact</li> </ul>

**address-city (optional)**

*Query Parameter* — <p>Multiple Resources:</p> <ul> <li><a href="patient.html">Patient</a>: A city specified in an address</li> <li><a href="person.html">Person</a>: A city specified in an address</li> <li><a href="practitioner.html">Practitioner</a>: A city specified in an address</li> <li><a href="relatedperson.html">RelatedPerson</a>: A city specified in an address</li> </ul>

**family (optional)**

*Query Parameter* — <p>Multiple Resources:</p> <ul> <li><a href="patient.html">Patient</a>: A portion of the family name of the patient</li> <li><a href="practitioner.html">Practitioner</a>: A portion of the family name</li> </ul>

**communication (optional)**

*Query Parameter* — One of the languages that the practitioner can communicate with

**email (optional)**

*Query Parameter* — <p>Multiple Resources:</p> <ul> <li><a href="patient.html">Patient</a>: A value in an email contact</li> <li><a href="person.html">Person</a>: A value in an email contact</li> <li><a href="practitioner.html">Practitioner</a>: A value in an email contact</li> <li><a href="practitionerrole.html">PractitionerRole</a>: A value in an email contact</li> <li><a href="relatedperson.html">RelatedPerson</a>: A value in an email contact</li> </ul>

**\_profile (optional)**

*Query Parameter* — Profiles this resource claims to conform to

**\_lastUpdated (optional)**

*Query Parameter* — When the resource version last changed

**\_tag (optional)**

*Query Parameter* — Tags applied to this resource

**\_security (optional)**

*Query Parameter* — Security Labels applied to this resource

**\_source (optional)**

*Query Parameter* — Identifies where the resource comes from

**\_id (optional)**

*Query Parameter* — Logical id of this artifact

**Return type**

[Bundle](#_Bundle)

**Example data**

Content-Type: application/json

{

"resourceType" : "Bundle",

"meta" : {

"tag" : [ {

"code" : "ibm/minimal"

} ]

},

"\_type" : {

"extension" : [ {

"url" : "http://hl7.org/fhir/StructureDefinition/data-absent-reason",

"valueCode" : "unknown"

} ]

}

}

**Produces**

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

* application/fhir+json

**Responses**

**200**

Search Practitioner operation successful [Bundle](#_Bundle)

## GET /Practitioner/{id}/Practitioner

Search for Practitioner resources within Practitioner compartment (**searchPractitionerCompartmentPractitioner**)

**Path parameters**

**id (required)**

*Path Parameter* — logical identifier

**Query parameters**

**given (optional)**

*Query Parameter* — <p>Multiple Resources:</p> <ul> <li><a href="patient.html">Patient</a>: A portion of the given name of the patient</li> <li><a href="practitioner.html">Practitioner</a>: A portion of the given name</li> </ul>

**identifier (optional)**

*Query Parameter* — A practitioner's Identifier

**address (optional)**

*Query Parameter* — <p>Multiple Resources:</p> <ul> <li><a href="patient.html">Patient</a>: 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</li> <li><a href="person.html">Person</a>: 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</li> <li><a href="practitioner.html">Practitioner</a>: 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</li> <li><a href="relatedperson.html">RelatedPerson</a>: 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</li> </ul>

**address-state (optional)**

*Query Parameter* — <p>Multiple Resources:</p> <ul> <li><a href="patient.html">Patient</a>: A state specified in an address</li> <li><a href="person.html">Person</a>: A state specified in an address</li> <li><a href="practitioner.html">Practitioner</a>: A state specified in an address</li> <li><a href="relatedperson.html">RelatedPerson</a>: A state specified in an address</li> </ul>

**gender (optional)**

*Query Parameter* — <p>Multiple Resources:</p> <ul> <li><a href="patient.html">Patient</a>: Gender of the patient</li> <li><a href="person.html">Person</a>: The gender of the person</li> <li><a href="practitioner.html">Practitioner</a>: Gender of the practitioner</li> <li><a href="relatedperson.html">RelatedPerson</a>: Gender of the related person</li> </ul>

**active (optional)**

*Query Parameter* — Whether the practitioner record is active

**address-postalcode (optional)**

*Query Parameter* — <p>Multiple Resources:</p> <ul> <li><a href="patient.html">Patient</a>: A postalCode specified in an address</li> <li><a href="person.html">Person</a>: A postal code specified in an address</li> <li><a href="practitioner.html">Practitioner</a>: A postalCode specified in an address</li> <li><a href="relatedperson.html">RelatedPerson</a>: A postal code specified in an address</li> </ul>

**address-country (optional)**

*Query Parameter* — <p>Multiple Resources:</p> <ul> <li><a href="patient.html">Patient</a>: A country specified in an address</li> <li><a href="person.html">Person</a>: A country specified in an address</li> <li><a href="practitioner.html">Practitioner</a>: A country specified in an address</li> <li><a href="relatedperson.html">RelatedPerson</a>: A country specified in an address</li> </ul>

**phonetic (optional)**

*Query Parameter* — <p>Multiple Resources:</p> <ul> <li><a href="patient.html">Patient</a>: A portion of either family or given name using some kind of phonetic matching algorithm</li> <li><a href="person.html">Person</a>: A portion of name using some kind of phonetic matching algorithm</li> <li><a href="practitioner.html">Practitioner</a>: A portion of either family or given name using some kind of phonetic matching algorithm</li> <li><a href="relatedperson.html">RelatedPerson</a>: A portion of name using some kind of phonetic matching algorithm</li> </ul>

**phone (optional)**

*Query Parameter* — <p>Multiple Resources:</p> <ul> <li><a href="patient.html">Patient</a>: A value in a phone contact</li> <li><a href="person.html">Person</a>: A value in a phone contact</li> <li><a href="practitioner.html">Practitioner</a>: A value in a phone contact</li> <li><a href="practitionerrole.html">PractitionerRole</a>: A value in a phone contact</li> <li><a href="relatedperson.html">RelatedPerson</a>: A value in a phone contact</li> </ul>

**name (optional)**

*Query Parameter* — A server defined search that may match any of the string fields in the HumanName, including family, give, prefix, suffix, suffix, and/or text

**address-use (optional)**

*Query Parameter* — <p>Multiple Resources:</p> <ul> <li><a href="patient.html">Patient</a>: A use code specified in an address</li> <li><a href="person.html">Person</a>: A use code specified in an address</li> <li><a href="practitioner.html">Practitioner</a>: A use code specified in an address</li> <li><a href="relatedperson.html">RelatedPerson</a>: A use code specified in an address</li> </ul>

**telecom (optional)**

*Query Parameter* — <p>Multiple Resources:</p> <ul> <li><a href="patient.html">Patient</a>: The value in any kind of telecom details of the patient</li> <li><a href="person.html">Person</a>: The value in any kind of contact</li> <li><a href="practitioner.html">Practitioner</a>: The value in any kind of contact</li> <li><a href="practitionerrole.html">PractitionerRole</a>: The value in any kind of contact</li> <li><a href="relatedperson.html">RelatedPerson</a>: The value in any kind of contact</li> </ul>

**address-city (optional)**

*Query Parameter* — <p>Multiple Resources:</p> <ul> <li><a href="patient.html">Patient</a>: A city specified in an address</li> <li><a href="person.html">Person</a>: A city specified in an address</li> <li><a href="practitioner.html">Practitioner</a>: A city specified in an address</li> <li><a href="relatedperson.html">RelatedPerson</a>: A city specified in an address</li> </ul>

**family (optional)**

*Query Parameter* — <p>Multiple Resources:</p> <ul> <li><a href="patient.html">Patient</a>: A portion of the family name of the patient</li> <li><a href="practitioner.html">Practitioner</a>: A portion of the family name</li> </ul>

**communication (optional)**

*Query Parameter* — One of the languages that the practitioner can communicate with

**email (optional)**

*Query Parameter* — <p>Multiple Resources:</p> <ul> <li><a href="patient.html">Patient</a>: A value in an email contact</li> <li><a href="person.html">Person</a>: A value in an email contact</li> <li><a href="practitioner.html">Practitioner</a>: A value in an email contact</li> <li><a href="practitionerrole.html">PractitionerRole</a>: A value in an email contact</li> <li><a href="relatedperson.html">RelatedPerson</a>: A value in an email contact</li> </ul>

**\_profile (optional)**

*Query Parameter* — Profiles this resource claims to conform to

**\_lastUpdated (optional)**

*Query Parameter* — When the resource version last changed

**\_tag (optional)**

*Query Parameter* — Tags applied to this resource

**\_security (optional)**

*Query Parameter* — Security Labels applied to this resource

**\_source (optional)**

*Query Parameter* — Identifies where the resource comes from

**\_id (optional)**

*Query Parameter* — Logical id of this artifact

**Return type**

[Bundle](#_Bundle)

**Example data**

Content-Type: application/json

{

"resourceType" : "Bundle",

"meta" : {

"tag" : [ {

"code" : "ibm/minimal"

} ]

},

"\_type" : {

"extension" : [ {

"url" : "http://hl7.org/fhir/StructureDefinition/data-absent-reason",

"valueCode" : "unknown"

} ]

}

}

**Produces**

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

* application/fhir+json

**Responses**

**200**

Search Practitioner operation successful [Bundle](#_Bundle)

## POST /Practitioner/\_search

Search for Practitioner resources (**searchViaPostPractitioner**)

**Consumes**

This API call consumes the following media types via the Content-Type request header:

* application/x-www-form-urlencoded

**Query parameters**

**given (optional)**

*Query Parameter* — <p>Multiple Resources:</p> <ul> <li><a href="patient.html">Patient</a>: A portion of the given name of the patient</li> <li><a href="practitioner.html">Practitioner</a>: A portion of the given name</li> </ul>

**identifier (optional)**

*Query Parameter* — A practitioner's Identifier

**address (optional)**

*Query Parameter* — <p>Multiple Resources:</p> <ul> <li><a href="patient.html">Patient</a>: 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</li> <li><a href="person.html">Person</a>: 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</li> <li><a href="practitioner.html">Practitioner</a>: 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</li> <li><a href="relatedperson.html">RelatedPerson</a>: 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</li> </ul>

**address-state (optional)**

*Query Parameter* — <p>Multiple Resources:</p> <ul> <li><a href="patient.html">Patient</a>: A state specified in an address</li> <li><a href="person.html">Person</a>: A state specified in an address</li> <li><a href="practitioner.html">Practitioner</a>: A state specified in an address</li> <li><a href="relatedperson.html">RelatedPerson</a>: A state specified in an address</li> </ul>

**gender (optional)**

*Query Parameter* — <p>Multiple Resources:</p> <ul> <li><a href="patient.html">Patient</a>: Gender of the patient</li> <li><a href="person.html">Person</a>: The gender of the person</li> <li><a href="practitioner.html">Practitioner</a>: Gender of the practitioner</li> <li><a href="relatedperson.html">RelatedPerson</a>: Gender of the related person</li> </ul>

**active (optional)**

*Query Parameter* — Whether the practitioner record is active

**address-postalcode (optional)**

*Query Parameter* — <p>Multiple Resources:</p> <ul> <li><a href="patient.html">Patient</a>: A postalCode specified in an address</li> <li><a href="person.html">Person</a>: A postal code specified in an address</li> <li><a href="practitioner.html">Practitioner</a>: A postalCode specified in an address</li> <li><a href="relatedperson.html">RelatedPerson</a>: A postal code specified in an address</li> </ul>

**address-country (optional)**

*Query Parameter* — <p>Multiple Resources:</p> <ul> <li><a href="patient.html">Patient</a>: A country specified in an address</li> <li><a href="person.html">Person</a>: A country specified in an address</li> <li><a href="practitioner.html">Practitioner</a>: A country specified in an address</li> <li><a href="relatedperson.html">RelatedPerson</a>: A country specified in an address</li> </ul>

**phonetic (optional)**

*Query Parameter* — <p>Multiple Resources:</p> <ul> <li><a href="patient.html">Patient</a>: A portion of either family or given name using some kind of phonetic matching algorithm</li> <li><a href="person.html">Person</a>: A portion of name using some kind of phonetic matching algorithm</li> <li><a href="practitioner.html">Practitioner</a>: A portion of either family or given name using some kind of phonetic matching algorithm</li> <li><a href="relatedperson.html">RelatedPerson</a>: A portion of name using some kind of phonetic matching algorithm</li> </ul>

**phone (optional)**

*Query Parameter* — <p>Multiple Resources:</p> <ul> <li><a href="patient.html">Patient</a>: A value in a phone contact</li> <li><a href="person.html">Person</a>: A value in a phone contact</li> <li><a href="practitioner.html">Practitioner</a>: A value in a phone contact</li> <li><a href="practitionerrole.html">PractitionerRole</a>: A value in a phone contact</li> <li><a href="relatedperson.html">RelatedPerson</a>: A value in a phone contact</li> </ul>

**name (optional)**

*Query Parameter* — A server defined search that may match any of the string fields in the HumanName, including family, give, prefix, suffix, suffix, and/or text

**address-use (optional)**

*Query Parameter* — <p>Multiple Resources:</p> <ul> <li><a href="patient.html">Patient</a>: A use code specified in an address</li> <li><a href="person.html">Person</a>: A use code specified in an address</li> <li><a href="practitioner.html">Practitioner</a>: A use code specified in an address</li> <li><a href="relatedperson.html">RelatedPerson</a>: A use code specified in an address</li> </ul>

**telecom (optional)**

*Query Parameter* — <p>Multiple Resources:</p> <ul> <li><a href="patient.html">Patient</a>: The value in any kind of telecom details of the patient</li> <li><a href="person.html">Person</a>: The value in any kind of contact</li> <li><a href="practitioner.html">Practitioner</a>: The value in any kind of contact</li> <li><a href="practitionerrole.html">PractitionerRole</a>: The value in any kind of contact</li> <li><a href="relatedperson.html">RelatedPerson</a>: The value in any kind of contact</li> </ul>

**address-city (optional)**

*Query Parameter* — <p>Multiple Resources:</p> <ul> <li><a href="patient.html">Patient</a>: A city specified in an address</li> <li><a href="person.html">Person</a>: A city specified in an address</li> <li><a href="practitioner.html">Practitioner</a>: A city specified in an address</li> <li><a href="relatedperson.html">RelatedPerson</a>: A city specified in an address</li> </ul>

**family (optional)**

*Query Parameter* — <p>Multiple Resources:</p> <ul> <li><a href="patient.html">Patient</a>: A portion of the family name of the patient</li> <li><a href="practitioner.html">Practitioner</a>: A portion of the family name</li> </ul>

**communication (optional)**

*Query Parameter* — One of the languages that the practitioner can communicate with

**email (optional)**

*Query Parameter* — <p>Multiple Resources:</p> <ul> <li><a href="patient.html">Patient</a>: A value in an email contact</li> <li><a href="person.html">Person</a>: A value in an email contact</li> <li><a href="practitioner.html">Practitioner</a>: A value in an email contact</li> <li><a href="practitionerrole.html">PractitionerRole</a>: A value in an email contact</li> <li><a href="relatedperson.html">RelatedPerson</a>: A value in an email contact</li> </ul>

**\_profile (optional)**

*Query Parameter* — Profiles this resource claims to conform to

**\_lastUpdated (optional)**

*Query Parameter* — When the resource version last changed

**\_tag (optional)**

*Query Parameter* — Tags applied to this resource

**\_security (optional)**

*Query Parameter* — Security Labels applied to this resource

**\_source (optional)**

*Query Parameter* — Identifies where the resource comes from

**\_id (optional)**

*Query Parameter* — Logical id of this artifact

**Return type**

[Bundle](#_Bundle)

**Example data**

Content-Type: application/json

{

"resourceType" : "Bundle",

"meta" : {

"tag" : [ {

"code" : "ibm/minimal"

} ]

},

"\_type" : {

"extension" : [ {

"url" : "http://hl7.org/fhir/StructureDefinition/data-absent-reason",

"valueCode" : "unknown"

} ]

}

}

**Produces**

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

* application/fhir+json

**Responses**

**200**

Search Practitioner operation successful [Bundle](#_Bundle)

## POST /Practitioner/{id}/Practitioner/\_search

Search for Practitioner resources within Practitioner compartment (**searchViaPostPractitionerCompartmentPractitioner**)

**Path parameters**

**id (required)**

*Path Parameter* — logical identifier

**Consumes**

This API call consumes the following media types via the Content-Type request header:

* application/x-www-form-urlencoded

**Query parameters**

**given (optional)**

*Query Parameter* — <p>Multiple Resources:</p> <ul> <li><a href="patient.html">Patient</a>: A portion of the given name of the patient</li> <li><a href="practitioner.html">Practitioner</a>: A portion of the given name</li> </ul>

**identifier (optional)**

*Query Parameter* — A practitioner's Identifier

**address (optional)**

*Query Parameter* — <p>Multiple Resources:</p> <ul> <li><a href="patient.html">Patient</a>: 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</li> <li><a href="person.html">Person</a>: 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</li> <li><a href="practitioner.html">Practitioner</a>: 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</li> <li><a href="relatedperson.html">RelatedPerson</a>: 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</li> </ul>

**address-state (optional)**

*Query Parameter* — <p>Multiple Resources:</p> <ul> <li><a href="patient.html">Patient</a>: A state specified in an address</li> <li><a href="person.html">Person</a>: A state specified in an address</li> <li><a href="practitioner.html">Practitioner</a>: A state specified in an address</li> <li><a href="relatedperson.html">RelatedPerson</a>: A state specified in an address</li> </ul>

**gender (optional)**

*Query Parameter* — <p>Multiple Resources:</p> <ul> <li><a href="patient.html">Patient</a>: Gender of the patient</li> <li><a href="person.html">Person</a>: The gender of the person</li> <li><a href="practitioner.html">Practitioner</a>: Gender of the practitioner</li> <li><a href="relatedperson.html">RelatedPerson</a>: Gender of the related person</li> </ul>

**active (optional)**

*Query Parameter* — Whether the practitioner record is active

**address-postalcode (optional)**

*Query Parameter* — <p>Multiple Resources:</p> <ul> <li><a href="patient.html">Patient</a>: A postalCode specified in an address</li> <li><a href="person.html">Person</a>: A postal code specified in an address</li> <li><a href="practitioner.html">Practitioner</a>: A postalCode specified in an address</li> <li><a href="relatedperson.html">RelatedPerson</a>: A postal code specified in an address</li> </ul>

**address-country (optional)**

*Query Parameter* — <p>Multiple Resources:</p> <ul> <li><a href="patient.html">Patient</a>: A country specified in an address</li> <li><a href="person.html">Person</a>: A country specified in an address</li> <li><a href="practitioner.html">Practitioner</a>: A country specified in an address</li> <li><a href="relatedperson.html">RelatedPerson</a>: A country specified in an address</li> </ul>

**phonetic (optional)**

*Query Parameter* — <p>Multiple Resources:</p> <ul> <li><a href="patient.html">Patient</a>: A portion of either family or given name using some kind of phonetic matching algorithm</li> <li><a href="person.html">Person</a>: A portion of name using some kind of phonetic matching algorithm</li> <li><a href="practitioner.html">Practitioner</a>: A portion of either family or given name using some kind of phonetic matching algorithm</li> <li><a href="relatedperson.html">RelatedPerson</a>: A portion of name using some kind of phonetic matching algorithm</li> </ul>

**phone (optional)**

*Query Parameter* — <p>Multiple Resources:</p> <ul> <li><a href="patient.html">Patient</a>: A value in a phone contact</li> <li><a href="person.html">Person</a>: A value in a phone contact</li> <li><a href="practitioner.html">Practitioner</a>: A value in a phone contact</li> <li><a href="practitionerrole.html">PractitionerRole</a>: A value in a phone contact</li> <li><a href="relatedperson.html">RelatedPerson</a>: A value in a phone contact</li> </ul>

**name (optional)**

*Query Parameter* — A server defined search that may match any of the string fields in the HumanName, including family, give, prefix, suffix, suffix, and/or text

**address-use (optional)**

*Query Parameter* — <p>Multiple Resources:</p> <ul> <li><a href="patient.html">Patient</a>: A use code specified in an address</li> <li><a href="person.html">Person</a>: A use code specified in an address</li> <li><a href="practitioner.html">Practitioner</a>: A use code specified in an address</li> <li><a href="relatedperson.html">RelatedPerson</a>: A use code specified in an address</li> </ul>

**telecom (optional)**

*Query Parameter* — <p>Multiple Resources:</p> <ul> <li><a href="patient.html">Patient</a>: The value in any kind of telecom details of the patient</li> <li><a href="person.html">Person</a>: The value in any kind of contact</li> <li><a href="practitioner.html">Practitioner</a>: The value in any kind of contact</li> <li><a href="practitionerrole.html">PractitionerRole</a>: The value in any kind of contact</li> <li><a href="relatedperson.html">RelatedPerson</a>: The value in any kind of contact</li> </ul>

**address-city (optional)**

*Query Parameter* — <p>Multiple Resources:</p> <ul> <li><a href="patient.html">Patient</a>: A city specified in an address</li> <li><a href="person.html">Person</a>: A city specified in an address</li> <li><a href="practitioner.html">Practitioner</a>: A city specified in an address</li> <li><a href="relatedperson.html">RelatedPerson</a>: A city specified in an address</li> </ul>

**family (optional)**

*Query Parameter* — <p>Multiple Resources:</p> <ul> <li><a href="patient.html">Patient</a>: A portion of the family name of the patient</li> <li><a href="practitioner.html">Practitioner</a>: A portion of the family name</li> </ul>

**communication (optional)**

*Query Parameter* — One of the languages that the practitioner can communicate with

**email (optional)**

*Query Parameter* — <p>Multiple Resources:</p> <ul> <li><a href="patient.html">Patient</a>: A value in an email contact</li> <li><a href="person.html">Person</a>: A value in an email contact</li> <li><a href="practitioner.html">Practitioner</a>: A value in an email contact</li> <li><a href="practitionerrole.html">PractitionerRole</a>: A value in an email contact</li> <li><a href="relatedperson.html">RelatedPerson</a>: A value in an email contact</li> </ul>

**\_profile (optional)**

*Query Parameter* — Profiles this resource claims to conform to

**\_lastUpdated (optional)**

*Query Parameter* — When the resource version last changed

**\_tag (optional)**

*Query Parameter* — Tags applied to this resource

**\_security (optional)**

*Query Parameter* — Security Labels applied to this resource

**\_source (optional)**

*Query Parameter* — Identifies where the resource comes from

**\_id (optional)**

*Query Parameter* — Logical id of this artifact

**Return type**

[Bundle](#_Bundle)

**Example data**

Content-Type: application/json

{

"resourceType" : "Bundle",

"meta" : {

"tag" : [ {

"code" : "ibm/minimal"

} ]

},

"\_type" : {

"extension" : [ {

"url" : "http://hl7.org/fhir/StructureDefinition/data-absent-reason",

"valueCode" : "unknown"

} ]

}

}

**Produces**

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

* application/fhir+json

**Responses**

**200**

Search Practitioner operation successful [Bundle](#_Bundle)

## GET /Practitioner/{id}/\_history/{vid}

Read specific version of a Practitioner resource (**vreadPractitioner**)

**Path parameters**

**id (required)**

*Path Parameter* — logical identifier

**vid (required)**

*Path Parameter* — version identifier

**Return type**

[Practitioner](#_Practitioner)

**Example data**

Content-Type: application/json

{

"resourceType" : "Practitioner",

"meta" : {

"tag" : [ {

"code" : "ibm/minimal"

} ]

}

}

**Produces**

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

* application/fhir+json

**Responses**

**200**

Versioned read Practitioner operation successful [Practitioner](#_Practitioner)

# PractitionerRole

## GET /PractitionerRole/{id}/\_history

Return the history of a PractitionerRole resource (**historyPractitionerRole**)

**Path parameters**

**id (required)**

*Path Parameter* — logical identifier

**Return type**

[Bundle](#_Bundle)

**Example data**

Content-Type: application/json

{

"resourceType" : "Bundle",

"meta" : {

"tag" : [ {

"code" : "ibm/minimal"

} ]

},

"\_type" : {

"extension" : [ {

"url" : "http://hl7.org/fhir/StructureDefinition/data-absent-reason",

"valueCode" : "unknown"

} ]

}

}

**Produces**

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

* application/fhir+json

**Responses**

**200**

History PractitionerRole operation successful [Bundle](#_Bundle)

## GET /PractitionerRole/{id}

Read a PractitionerRole resource (**readPractitionerRole**)

**Path parameters**

**id (required)**

*Path Parameter* — logical identifier

**Return type**

[PractitionerRole](#_PractitionerRole)

**Example data**

Content-Type: application/json

{

"resourceType" : "PractitionerRole",

"meta" : {

"tag" : [ {

"code" : "ibm/minimal"

} ]

}

}

**Produces**

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

* application/fhir+json

**Responses**

**200**

Read PractitionerRole operation successful [PractitionerRole](#_PractitionerRole)

## GET /Practitioner/{id}/PractitionerRole

Search for PractitionerRole resources within Practitioner compartment (**searchPractitionerCompartmentPractitionerRole**)

**Path parameters**

**id (required)**

*Path Parameter* — logical identifier

**Query parameters**

**date (optional)**

*Query Parameter* — The period during which the practitioner is authorized to perform in these role(s)

**identifier (optional)**

*Query Parameter* — A practitioner's Identifier

**specialty (optional)**

*Query Parameter* — The practitioner has this specialty at an organization

**role (optional)**

*Query Parameter* — The practitioner can perform this role at for the organization

**practitioner (optional)**

*Query Parameter* — Practitioner that is able to provide the defined services for the organization

**active (optional)**

*Query Parameter* — Whether this practitioner role record is in active use

**endpoint (optional)**

*Query Parameter* — Technical endpoints providing access to services operated for the practitioner with this role

**phone (optional)**

*Query Parameter* — <p>Multiple Resources:</p> <ul> <li><a href="patient.html">Patient</a>: A value in a phone contact</li> <li><a href="person.html">Person</a>: A value in a phone contact</li> <li><a href="practitioner.html">Practitioner</a>: A value in a phone contact</li> <li><a href="practitionerrole.html">PractitionerRole</a>: A value in a phone contact</li> <li><a href="relatedperson.html">RelatedPerson</a>: A value in a phone contact</li> </ul>

**service (optional)**

*Query Parameter* — The list of healthcare services that this worker provides for this role's Organization/Location(s)

**organization (optional)**

*Query Parameter* — The identity of the organization the practitioner represents / acts on behalf of

**telecom (optional)**

*Query Parameter* — <p>Multiple Resources:</p> <ul> <li><a href="patient.html">Patient</a>: The value in any kind of telecom details of the patient</li> <li><a href="person.html">Person</a>: The value in any kind of contact</li> <li><a href="practitioner.html">Practitioner</a>: The value in any kind of contact</li> <li><a href="practitionerrole.html">PractitionerRole</a>: The value in any kind of contact</li> <li><a href="relatedperson.html">RelatedPerson</a>: The value in any kind of contact</li> </ul>

**location (optional)**

*Query Parameter* — One of the locations at which this practitioner provides care

**email (optional)**

*Query Parameter* — <p>Multiple Resources:</p> <ul> <li><a href="patient.html">Patient</a>: A value in an email contact</li> <li><a href="person.html">Person</a>: A value in an email contact</li> <li><a href="practitioner.html">Practitioner</a>: A value in an email contact</li> <li><a href="practitionerrole.html">PractitionerRole</a>: A value in an email contact</li> <li><a href="relatedperson.html">RelatedPerson</a>: A value in an email contact</li> </ul>

**\_profile (optional)**

*Query Parameter* — Profiles this resource claims to conform to

**\_lastUpdated (optional)**

*Query Parameter* — When the resource version last changed

**\_tag (optional)**

*Query Parameter* — Tags applied to this resource

**\_security (optional)**

*Query Parameter* — Security Labels applied to this resource

**\_source (optional)**

*Query Parameter* — Identifies where the resource comes from

**\_id (optional)**

*Query Parameter* — Logical id of this artifact

**Return type**

[Bundle](#_Bundle)

**Example data**

Content-Type: application/json

{

"resourceType" : "Bundle",

"meta" : {

"tag" : [ {

"code" : "ibm/minimal"

} ]

},

"\_type" : {

"extension" : [ {

"url" : "http://hl7.org/fhir/StructureDefinition/data-absent-reason",

"valueCode" : "unknown"

} ]

}

}

**Produces**

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

* application/fhir+json

**Responses**

**200**

Search PractitionerRole operation successful [Bundle](#_Bundle)

## GET /PractitionerRole

Search for PractitionerRole resources (**searchPractitionerRole**)

**Query parameters**

**date (optional)**

*Query Parameter* — The period during which the practitioner is authorized to perform in these role(s)

**identifier (optional)**

*Query Parameter* — A practitioner's Identifier

**specialty (optional)**

*Query Parameter* — The practitioner has this specialty at an organization

**role (optional)**

*Query Parameter* — The practitioner can perform this role at for the organization

**practitioner (optional)**

*Query Parameter* — Practitioner that is able to provide the defined services for the organization

**active (optional)**

*Query Parameter* — Whether this practitioner role record is in active use

**endpoint (optional)**

*Query Parameter* — Technical endpoints providing access to services operated for the practitioner with this role

**phone (optional)**

*Query Parameter* — <p>Multiple Resources:</p> <ul> <li><a href="patient.html">Patient</a>: A value in a phone contact</li> <li><a href="person.html">Person</a>: A value in a phone contact</li> <li><a href="practitioner.html">Practitioner</a>: A value in a phone contact</li> <li><a href="practitionerrole.html">PractitionerRole</a>: A value in a phone contact</li> <li><a href="relatedperson.html">RelatedPerson</a>: A value in a phone contact</li> </ul>

**service (optional)**

*Query Parameter* — The list of healthcare services that this worker provides for this role's Organization/Location(s)

**organization (optional)**

*Query Parameter* — The identity of the organization the practitioner represents / acts on behalf of

**telecom (optional)**

*Query Parameter* — <p>Multiple Resources:</p> <ul> <li><a href="patient.html">Patient</a>: The value in any kind of telecom details of the patient</li> <li><a href="person.html">Person</a>: The value in any kind of contact</li> <li><a href="practitioner.html">Practitioner</a>: The value in any kind of contact</li> <li><a href="practitionerrole.html">PractitionerRole</a>: The value in any kind of contact</li> <li><a href="relatedperson.html">RelatedPerson</a>: The value in any kind of contact</li> </ul>

**location (optional)**

*Query Parameter* — One of the locations at which this practitioner provides care

**email (optional)**

*Query Parameter* — <p>Multiple Resources:</p> <ul> <li><a href="patient.html">Patient</a>: A value in an email contact</li> <li><a href="person.html">Person</a>: A value in an email contact</li> <li><a href="practitioner.html">Practitioner</a>: A value in an email contact</li> <li><a href="practitionerrole.html">PractitionerRole</a>: A value in an email contact</li> <li><a href="relatedperson.html">RelatedPerson</a>: A value in an email contact</li> </ul>

**\_profile (optional)**

*Query Parameter* — Profiles this resource claims to conform to

**\_lastUpdated (optional)**

*Query Parameter* — When the resource version last changed

**\_tag (optional)**

*Query Parameter* — Tags applied to this resource

**\_security (optional)**

*Query Parameter* — Security Labels applied to this resource

**\_source (optional)**

*Query Parameter* — Identifies where the resource comes from

**\_id (optional)**

*Query Parameter* — Logical id of this artifact

**Return type**

[Bundle](#_Bundle)

**Example data**

Content-Type: application/json

{

"resourceType" : "Bundle",

"meta" : {

"tag" : [ {

"code" : "ibm/minimal"

} ]

},

"\_type" : {

"extension" : [ {

"url" : "http://hl7.org/fhir/StructureDefinition/data-absent-reason",

"valueCode" : "unknown"

} ]

}

}

**Produces**

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

* application/fhir+json

**Responses**

**200**

Search PractitionerRole operation successful [Bundle](#_Bundle)

## POST /Practitioner/{id}/PractitionerRole/\_search

Search for PractitionerRole resources within Practitioner compartment (**searchViaPostPractitionerCompartmentPractitionerRole**)

**Path parameters**

**id (required)**

*Path Parameter* — logical identifier

**Consumes**

This API call consumes the following media types via the Content-Type request header:

* application/x-www-form-urlencoded

**Query parameters**

**date (optional)**

*Query Parameter* — The period during which the practitioner is authorized to perform in these role(s)

**identifier (optional)**

*Query Parameter* — A practitioner's Identifier

**specialty (optional)**

*Query Parameter* — The practitioner has this specialty at an organization

**role (optional)**

*Query Parameter* — The practitioner can perform this role at for the organization

**practitioner (optional)**

*Query Parameter* — Practitioner that is able to provide the defined services for the organization

**active (optional)**

*Query Parameter* — Whether this practitioner role record is in active use

**endpoint (optional)**

*Query Parameter* — Technical endpoints providing access to services operated for the practitioner with this role

**phone (optional)**

*Query Parameter* — <p>Multiple Resources:</p> <ul> <li><a href="patient.html">Patient</a>: A value in a phone contact</li> <li><a href="person.html">Person</a>: A value in a phone contact</li> <li><a href="practitioner.html">Practitioner</a>: A value in a phone contact</li> <li><a href="practitionerrole.html">PractitionerRole</a>: A value in a phone contact</li> <li><a href="relatedperson.html">RelatedPerson</a>: A value in a phone contact</li> </ul>

**service (optional)**

*Query Parameter* — The list of healthcare services that this worker provides for this role's Organization/Location(s)

**organization (optional)**

*Query Parameter* — The identity of the organization the practitioner represents / acts on behalf of

**telecom (optional)**

*Query Parameter* — <p>Multiple Resources:</p> <ul> <li><a href="patient.html">Patient</a>: The value in any kind of telecom details of the patient</li> <li><a href="person.html">Person</a>: The value in any kind of contact</li> <li><a href="practitioner.html">Practitioner</a>: The value in any kind of contact</li> <li><a href="practitionerrole.html">PractitionerRole</a>: The value in any kind of contact</li> <li><a href="relatedperson.html">RelatedPerson</a>: The value in any kind of contact</li> </ul>

**location (optional)**

*Query Parameter* — One of the locations at which this practitioner provides care

**email (optional)**

*Query Parameter* — <p>Multiple Resources:</p> <ul> <li><a href="patient.html">Patient</a>: A value in an email contact</li> <li><a href="person.html">Person</a>: A value in an email contact</li> <li><a href="practitioner.html">Practitioner</a>: A value in an email contact</li> <li><a href="practitionerrole.html">PractitionerRole</a>: A value in an email contact</li> <li><a href="relatedperson.html">RelatedPerson</a>: A value in an email contact</li> </ul>

**\_profile (optional)**

*Query Parameter* — Profiles this resource claims to conform to

**\_lastUpdated (optional)**

*Query Parameter* — When the resource version last changed

**\_tag (optional)**

*Query Parameter* — Tags applied to this resource

**\_security (optional)**

*Query Parameter* — Security Labels applied to this resource

**\_source (optional)**

*Query Parameter* — Identifies where the resource comes from

**\_id (optional)**

*Query Parameter* — Logical id of this artifact

**Return type**

[Bundle](#_Bundle)

**Example data**

Content-Type: application/json

{

"resourceType" : "Bundle",

"meta" : {

"tag" : [ {

"code" : "ibm/minimal"

} ]

},

"\_type" : {

"extension" : [ {

"url" : "http://hl7.org/fhir/StructureDefinition/data-absent-reason",

"valueCode" : "unknown"

} ]

}

}

**Produces**

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

* application/fhir+json

**Responses**

**200**

Search PractitionerRole operation successful [Bundle](#_Bundle)

## POST /PractitionerRole/\_search

Search for PractitionerRole resources (**searchViaPostPractitionerRole**)

**Consumes**

This API call consumes the following media types via the Content-Type request header:

* application/x-www-form-urlencoded

**Query parameters**

**date (optional)**

*Query Parameter* — The period during which the practitioner is authorized to perform in these role(s)

**identifier (optional)**

*Query Parameter* — A practitioner's Identifier

**specialty (optional)**

*Query Parameter* — The practitioner has this specialty at an organization

**role (optional)**

*Query Parameter* — The practitioner can perform this role at for the organization

**practitioner (optional)**

*Query Parameter* — Practitioner that is able to provide the defined services for the organization

**active (optional)**

*Query Parameter* — Whether this practitioner role record is in active use

**endpoint (optional)**

*Query Parameter* — Technical endpoints providing access to services operated for the practitioner with this role

**phone (optional)**

*Query Parameter* — <p>Multiple Resources:</p> <ul> <li><a href="patient.html">Patient</a>: A value in a phone contact</li> <li><a href="person.html">Person</a>: A value in a phone contact</li> <li><a href="practitioner.html">Practitioner</a>: A value in a phone contact</li> <li><a href="practitionerrole.html">PractitionerRole</a>: A value in a phone contact</li> <li><a href="relatedperson.html">RelatedPerson</a>: A value in a phone contact</li> </ul>

**service (optional)**

*Query Parameter* — The list of healthcare services that this worker provides for this role's Organization/Location(s)

**organization (optional)**

*Query Parameter* — The identity of the organization the practitioner represents / acts on behalf of

**telecom (optional)**

*Query Parameter* — <p>Multiple Resources:</p> <ul> <li><a href="patient.html">Patient</a>: The value in any kind of telecom details of the patient</li> <li><a href="person.html">Person</a>: The value in any kind of contact</li> <li><a href="practitioner.html">Practitioner</a>: The value in any kind of contact</li> <li><a href="practitionerrole.html">PractitionerRole</a>: The value in any kind of contact</li> <li><a href="relatedperson.html">RelatedPerson</a>: The value in any kind of contact</li> </ul>

**location (optional)**

*Query Parameter* — One of the locations at which this practitioner provides care

**email (optional)**

*Query Parameter* — <p>Multiple Resources:</p> <ul> <li><a href="patient.html">Patient</a>: A value in an email contact</li> <li><a href="person.html">Person</a>: A value in an email contact</li> <li><a href="practitioner.html">Practitioner</a>: A value in an email contact</li> <li><a href="practitionerrole.html">PractitionerRole</a>: A value in an email contact</li> <li><a href="relatedperson.html">RelatedPerson</a>: A value in an email contact</li> </ul>

**\_profile (optional)**

*Query Parameter* — Profiles this resource claims to conform to

**\_lastUpdated (optional)**

*Query Parameter* — When the resource version last changed

**\_tag (optional)**

*Query Parameter* — Tags applied to this resource

**\_security (optional)**

*Query Parameter* — Security Labels applied to this resource

**\_source (optional)**

*Query Parameter* — Identifies where the resource comes from

**\_id (optional)**

*Query Parameter* — Logical id of this artifact

**Return type**

[Bundle](#_Bundle)

**Example data**

Content-Type: application/json

{

"resourceType" : "Bundle",

"meta" : {

"tag" : [ {

"code" : "ibm/minimal"

} ]

},

"\_type" : {

"extension" : [ {

"url" : "http://hl7.org/fhir/StructureDefinition/data-absent-reason",

"valueCode" : "unknown"

} ]

}

}

**Produces**

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

* application/fhir+json

**Responses**

**200**

Search PractitionerRole operation successful [Bundle](#_Bundle)

## GET /PractitionerRole/{id}/\_history/{vid}

Read specific version of a PractitionerRole resource (**vreadPractitionerRole**)

**Path parameters**

**id (required)**

*Path Parameter* — logical identifier

**vid (required)**

*Path Parameter* — version identifier

**Return type**

[PractitionerRole](#_PractitionerRole)

**Example data**

Content-Type: application/json

{

"resourceType" : "PractitionerRole",

"meta" : {

"tag" : [ {

"code" : "ibm/minimal"

} ]

}

}

**Produces**

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

* application/fhir+json

**Responses**

**200**

Versioned read PractitionerRole operation successful [PractitionerRole](#_PractitionerRole)

# Models

## Address

**id (optional)**

 Unique id for the element within a resource (for internal references). This may be any string value that does not contain spaces.

**extension (optional)**

[*array[Extension]*](#_Extension)

*example: [{"url":"http://example.com","valueString":"text value"}]*

**use (optional)**

 The purpose of this address.

**Enum:**

*home*

*work*

*temp*

*old*

*billing*

**type (optional)**

 Distinguishes between physical addresses (those you can visit) and mailing addresses (e.g. PO Boxes and care of addresses). Most addresses are both.

**Enum:**

*postal*

*physical*

*both*

**text (optional)**

 Specifies the entire address as it should be displayed e.g. on a postal label. This may be provided instead of or as well as the specific parts.

**line (optional)**

**city (optional)**

 The name of the city, town, suburb, village or other community or delivery center.

**district (optional)**

 The name of the administrative area (county).

**state (optional)**

 Subunit of a country with limited sovereignty in a federally organized country. A code may be used if codes are in common use (e.g. US 2 letter state codes).

**postalCode (optional)**

 A postal code designating a region defined by the postal service.

**country (optional)**

 Country a nation as commonly understood or generally accepted.

**period (optional)**

[*Period*](#_Period)

## Age

**value (optional)**

*BigDecimal* The value of the measured amount. The value includes an implicit precision in the presentation of the value.

**comparator (optional)**

 How the value should be understood and represented whether the actual value is greater or less than the stated value due to measurement issues; e.g. if the comparator is “&lt;” , then the real value is &lt; stated value.

**Enum:**

*<*

*<=*

*>=*

*>*

**unit (optional)**

A human readable form of the unit.

**system (optional)**

The identification of the system that provides the coded form of the unit.

**code (optional)**

 A computer processable form of the unit in some unit representation system.

## Annotation

**id (optional)**

Unique id for the element within a resource (for internal references). This may be any string value that does not contain spaces.

**extension (optional)**

[*array[Extension]*](#_Extension)

*example: [{"url":"http://example.com","valueString":"text value"}]*

**authorReference (optional)**

[*Reference*](#_Reference)

**author*String* (optional)**

The individual responsible for making the annotation.

**time (optional)**

 Indicates when this particular annotation was made.

**text**

The text of the annotation in markdown format.

## Attachment

**id (optional)**

 Unique id for the element within a resource (for internal references). This may be any string value that does not contain spaces.

**extension (optional)**

[*array[Extension]*](#_Extension)

*example: [{"url":"http://example.com","valueString":"text value"}]*

**contentType (optional)**

 Identifies the type of the data in the attachment and allows a method to be chosen to interpret or render the data. Includes mime type parameters such as charset where appropriate.

**language (optional)**

 The human language of the content. The value can be any valid value according to BCP 47.

**data (optional)**

 The actual data of the attachment a sequence of bytes, base64 encoded.

**url (optional)**

 A location where the data can be accessed.

**size (optional)**

*Integer* The number of bytes of data that make up this attachment (before base64 encoding, if that is done). format: int32

**hash (optional)**

 The calculated hash of the data using SHA 1. Represented using base64.

**title (optional)**

 A label or set of text to display in place of the data.

**creation (optional)**

 The date that the attachment was first created.

## BackboneElement

**id (optional)**

Unique id for the element within a resource (for internal references). This may be any string value that does not contain spaces.

**extension (optional)**

[*array[Extension]*](#_Extension)

*example: [{"url":"http://example.com","valueString":"text value"}]*

**modifierExtension (optional)**

*[array[Extension]](#_Extension)*

## Bundle

**resourceType**

**Enum:**

*Account*

*ActivityDefinition*

*AdverseEvent*

*AllergyIntolerance*

*Appointment*

*AppointmentResponse*

*AuditEvent*

*Basic*

*Binary*

*BiologicallyDerivedProduct*

*BodyStructure*

*Bundle*

*CapabilityStatement*

*CarePlan*

*CareTeam*

*CatalogEntry*

*ChargeItem*

*ChargeItemDefinition*

*Claim*

*ClaimResponse*

*ClinicalImpression*

*CodeSystem*

*Communication*

*CommunicationRequest*

*CompartmentDefinition*

*Composition*

*ConceptMap*

*Condition*

*Consent*

*Contract*

*Coverage*

*CoverageEligibilityRequest*

*CoverageEligibilityResponse*

*DetectedIssue*

*Device*

*DeviceDefinition*

*DeviceMetric*

*DeviceRequest*

*DeviceUseStatement*

*DiagnosticReport*

*DocumentManifest*

*DocumentReference*

*DomainResource*

*EffectEvidenceSynthesis*

*Encounter*

*Endpoint*

*EnrollmentRequest*

*EnrollmentResponse*

*EpisodeOfCare*

*EventDefinition*

*Evidence*

*EvidenceVariable*

*ExampleScenario*

*ExplanationOfBenefit*

*FamilyMemberHistory*

*Flag*

*Goal*

*GraphDefinition*

*Group*

*GuidanceResponse*

*HealthcareService*

*ImagingStudy*

*Immunization*

*ImmunizationEvaluation*

*ImmunizationRecommendation*

*ImplementationGuide*

*InsurancePlan*

*Invoice*

*Library*

*Linkage*

*List*

*Location*

*Measure*

*MeasureReport*

*Media*

*Medication*

*MedicationAdministration*

*MedicationDispense*

*MedicationKnowledge*

*MedicationRequest*

*MedicationStatement*

*MedicinalProduct*

*MedicinalProductAuthorization*

*MedicinalProductContraindication*

*MedicinalProductIndication*

*MedicinalProductIngredient*

*MedicinalProductInteraction*

*MedicinalProductManufactured*

*MedicinalProductPackaged*

*MedicinalProductPharmaceutical*

*MedicinalProductUndesirableEffect*

*MessageDefinition*

*MessageHeader*

*MolecularSequence*

*NamingSystem*

*NutritionOrder*

*Observation*

*ObservationDefinition*

*OperationDefinition*

*OperationOutcome*

*Organization*

*OrganizationAffiliation*

*Parameters*

*Patient*

*PaymentNotice*

*PaymentReconciliation*

*Person*

*PlanDefinition*

*Practitioner*

*PractitionerRole*

*Procedure*

*Provenance*

*Questionnaire*

*QuestionnaireResponse*

*RelatedPerson*

*RequestGroup*

*ResearchDefinition*

*ResearchElementDefinition*

*ResearchStudy*

*ResearchSubject*

*Resource*

*RiskAssessment*

*RiskEvidenceSynthesis*

*Schedule*

*SearchParameter*

*ServiceRequest*

*Slot*

*Specimen*

*SpecimenDefinition*

*StructureDefinition*

*StructureMap*

*Subscription*

*Substance*

*SubstanceNucleicAcid*

*SubstancePolymer*

*SubstanceProtein*

*SubstanceReferenceInformation*

*SubstanceSourceMaterial*

*SubstanceSpecification*

*SupplyDelivery*

*SupplyRequest*

*Task*

*TerminologyCapabilities*

*TestReport*

*TestScript*

*ValueSet*

*VerificationResult*

*VisionPrescription*

**id (optional)**

The logical id of the resource, as used in the URL for the resource. Once assigned, this value never changes.

**meta (optional)**

[*Meta*](#_Meta)

**implicitRules (optional)**

A reference to a set of rules that were followed when the resource was constructed, and which must be understood when processing the content. Often, this is a reference to an implementation guide that defines the special rules along with other profiles etc.

**language (optional)**

The base language in which the resource is written.

**identifier (optional)**

[*Identifier*](#_Identifier)

**type**

Indicates the purpose of this bundle how it is intended to be used.

**Enum:**

*document*

*message*

*transaction*

*transaction-response*

*batch*

*batch-response*

*history*

*searchset*

*collection*

**timestamp (optional)**

The date/time that the bundle was assembled i.e. when the resources were placed in the bundle.

**total (optional)**

*Integer* If a set of search matches, this is the total number of entries of type 'match' across all pages in the search. It does not include search.mode = 'include' or 'outcome' entries and it does not provide a count of the number of entries in the Bundle. format: int32

**link (optional)**

[*array[Bundle\_Link]*](#_Bundle_Link)

**entry (optional)**

[*array[Bundle\_Entry]*](#_Bundle_Entry)

**signature (optional)**

[*Signature*](#_Signature)

## Bundle\_Entry

**modifierExtension (optional)**

[*array[Extension]*](#_Extension)

**link (optional)**

[*array[Bundle\_Link]*](#_Bundle_Link)

**fullUrl (optional)**

<p>The Absolute URL for the resource. The fullUrl SHALL NOT disagree with the id in the resource i.e., if the fullUrl is not a urn:uuid, the URL shall be version independent URL consistent with the Resource.id. The fullUrl is a version independent reference to the resource. The fullUrl element SHALL have a value except that:</p> <ul> <li>fullUrl can be empty on a POST (although it does not need to when specifying a temporary id for reference in the bundle)</li> <li>Results from operations might involve resources that are not identified.</li> </ul>

**resource (optional)**

[*Resource*](#_Resource)

**search (optional)**

[*Bundle\_Entry\_Search*](#_Bundle_Entry_Search)

**request (optional)**

[*Bundle\_Entry\_Request*](#_Bundle_Entry_Request)

**response (optional)**

[*Bundle\_Entry\_Response*](#_Bundle_Entry_Response)

## Bundle\_Entry\_Request

**modifierExtension (optional)**

[*array[Extension]*](#_Extension)

**method**

In a transaction or batch, this is the HTTP action to be executed for this entry. In a history bundle, this indicates the HTTP action that occurred.

**Enum:**

*GET*

*HEAD*

*POST*

*PUT*

*DELETE*

*PATCH*

**url**

The URL for this entry, relative to the root (the address to which the request is posted).

**ifNoneMatch (optional)**

If the ETag values match, return a 304 Not Modified status. See the API documentation for <a href="http.html#cread">“Conditional Read”</a>.

**ifModifiedSince (optional)**

Only perform the operation if the last updated date matches. See the API documentation for <a href="http.html#cread">“Conditional Read”</a>.

**ifMatch (optional)**

Only perform the operation if the Etag value matches. For more information, see the API section <a href="http.html#concurrency">“Managing Resource Contention”</a>.

**ifNoneExist (optional)**

Instruct the server not to perform the create if a specified resource already exists. For further information, see the API documentation for <a href="http.html#ccreate">“Conditional Create”</a>. This is just the query portion of the URL what follows the “?” (not including the “?”).

## Bundle\_Entry\_Response

**modifierExtension (optional)**

[*array[Extension]*](#_Extension)

**status**

The status code returned by processing this entry. The status SHALL start with a 3 digit HTTP code (e.g. 404) and may contain the standard HTTP description associated with the status code.

**location (optional)**

The location header created by processing this operation, populated if the operation returns a location.

**etag (optional)**

The Etag for the resource, if the operation for the entry produced a versioned resource (see <a href="http.html#versioning">Resource Metadata and Versioning</a> and <a href="http.html#concurrency">Managing Resource Contention</a>).

**lastModified (optional)**

The date/time that the resource was modified on the server.

**outcome (optional)**

[*Resource*](#_Resource)

## Bundle\_Entry\_Search

**modifierExtension (optional)**

[*array[Extension]*](#_Extension)

**mode (optional)**

Why this entry is in the result set whether it's included as a match or because of an \_include requirement, or to convey information or warning information about the search process.

**Enum:**

*match*

*include*

*outcome*

**score (optional)**

*BigDecimal* When searching, the server's search ranking score for the entry.

## Bundle\_Link

**modifierExtension (optional)**

[*array[Extension]*](#_Extension)

**relation**

A name which details the functional use for this link see <a href="http://www.iana.org/assignments/link relations/link relations.xhtml#link relations 1">http://www.iana.org/assignments/link relations/link relations.xhtml#link relations 1</a>.

**url**

The reference details for the link.

## CapabilityStatement

**text (optional)**

[*Narrative*](#_Narrative)

**contained (optional)**

[*array[Resource]*](#_Resource)

**extension (optional)**

[*array[Extension]*](#_Extension)

**modifierExtension (optional)**

[*array[Extension]*](#_Extension)

**url (optional)**

An absolute URI that is used to identify this capability statement when it is referenced in a specification, model, design or an instance; also called its canonical identifier. This SHOULD be globally unique and SHOULD be a literal address at which at which an authoritative instance of this capability statement is (or will be) published. This URL can be the target of a canonical reference. It SHALL remain the same when the capability statement is stored on different servers.

**version (optional)**

The identifier that is used to identify this version of the capability statement when it is referenced in a specification, model, design or instance. This is an arbitrary value managed by the capability statement author and is not expected to be globally unique. For example, it might be a timestamp (e.g. yyyymmdd) if a managed version is not available. There is also no expectation that versions can be placed in a lexicographical sequence.

**name (optional)**

A natural language name identifying the capability statement. This name should be usable as an identifier for the module by machine processing applications such as code generation.

**title (optional)**

 A short, descriptive, user friendly title for the capability statement.

**status**

The status of this capability statement. Enables tracking the life cycle of the content.

**Enum:**

*draft*

*active*

*retired*

*unknown*

**experimental (optional)**

*Boolean* A Boolean value to indicate that this capability statement is authored for testing purposes (or education/evaluation/marketing) and is not intended to be used for genuine usage.

**date**

The date (and optionally time) when the capability statement was published. The date must change when the business version changes and it must change if the status code changes. In addition, it should change when the substantive content of the capability statement changes.

**publisher (optional)**

The name of the organization or individual that published the capability statement.

**contact (optional)**

[*array[ContactDetail]*](#_ContactDetail)

**description (optional)**

A free text natural language description of the capability statement from a consumer's perspective. Typically, this is used when the capability statement describes a desired rather than an actual solution, for example as a formal expression of requirements as part of an RFP.

**useContext (optional)**

[*array[UsageContext]*](#_UsageContext)

**jurisdiction (optional)**

[*array[CodeableConcept]*](#_CodeableConcept)

**purpose (optional)**

Explanation of why this capability statement is needed and why it has been designed as it has.

**copyright (optional)**

A copyright statement relating to the capability statement and/or its contents. Copyright statements are generally legal restrictions on the use and publishing of the capability statement.

**kind**

The way that this statement is intended to be used, to describe an actual running instance of software, a particular product (kind, not instance of software) or a class of implementation (e.g. a desired purchase).

**Enum:**

*instance*

*capability*

*requirements*

**instantiates (optional)**

*array[]*

**imports (optional)**

*array[]*

**software (optional)**

[*CapabilityStatement\_Software*](#_CapabilityStatement_Software)

**implementation (optional)**

[*CapabilityStatement\_Implementation*](#_CapabilityStatement_Implementation)

**fhirVersion**

The version of the FHIR specification that this CapabilityStatement describes (which SHALL be the same as the FHIR version of the CapabilityStatement itself). There is no default value.

**Enum:**

*0.01*

*0.05*

*0.06*

*0.11*

*0.0.80*

*0.0.81*

*0.0.82*

*0.4.0*

*0.5.0*

*1.0.0*

*1.0.1*

*1.0.2*

*1.1.0*

*1.4.0*

*1.6.0*

*1.8.0*

*3.0.0*

*3.0.1*

*3.3.0*

*3.5.0*

*4.0.0*

*4.0.1*

**format**

*array[]*

**patchFormat (optional)**

*array[]*

**implementationGuide (optional)**

*array[]*

**rest (optional)**

[*array[CapabilityStatement\_Rest]*](#_CapabilityStatement_Rest)

**messaging (optional)**

[*array[CapabilityStatement\_Messaging]*](#_CapabilityStatement_Messaging)

**document (optional)**

[*array[CapabilityStatement\_Document]*](#_CapabilityStatement_Document)

## CapabilityStatement\_Document

**modifierExtension (optional)**

[*array[Extension]*](#_Extension)

**mode**

Mode of this document declaration whether an application is a producer or consumer.

**Enum:**

*producer*

*consumer*

**documentation (optional)**

A description of how the application supports or uses the specified document profile. For example, when documents are created, what action is taken with consumed documents, etc.

**profile**

A profile on the document Bundle that constrains which resources are present, and their contents.

## CapabilityStatement\_Implementation

**modifierExtension (optional)**

[*array[Extension]*](#_Extension)

**description**

Information about the specific installation that this capability statement relates to.

**url (optional)**

An absolute base URL for the implementation. This forms the base for REST interfaces as well as the mailbox and document interfaces.

**custodian (optional)**

# [Reference](file:///C:\\Users\\JonathanNoyes\\Downloads\\index.html" \l "Reference)

## CapabilityStatement\_Messaging

**modifierExtension (optional)**

[*array[Extension]*](#_Extension)

**endpoint (optional)**

[*array[CapabilityStatement\_Messaging\_Endpoint]*](#_CapabilityStatement_Messaging_Endpo)

**reliableCache (optional)**

*Integer* Length if the receiver's reliable messaging cache in minutes (if a receiver) or how long the cache length on the receiver should be (if a sender). format: int32

**documentation (optional)**

Documentation about the system's messaging capabilities for this endpoint not otherwise documented by the capability statement. For example, the process for becoming an authorized messaging exchange partner.

**supportedMessage (optional)**

[*array[CapabilityStatement\_Messaging\_SupportedMessage]*](#CapabilityStatement_Messaging_SupportedM)

## CapabilityStatement\_Messaging\_Endpoint

**modifierExtension (optional)**

[*array[Extension]*](#_Extension)

**protocol**

[*Coding*](#_Coding)

**address**

The network address of the endpoint. For solutions that do not use network addresses for routing, it can be just an identifier.

## CapabilityStatement\_Messaging\_SupportedMessage

**modifierExtension (optional)**

[*array[Extension]*](#_Extension)

**mode**

The mode of this event declaration whether application is sender or receiver.

**Enum:**

*sender*

*receiver*

**definition**

Points to a message definition that identifies the messaging event, message structure, allowed responses, etc.

## CapabilityStatement\_Rest

**modifierExtension (optional)**

[*array[Extension]*](#_Extension)

**mode**

Identifies whether this portion of the statement is describing the ability to initiate or receive restful operations.

**Enum:**

*client*

*server*

**documentation (optional)**

Information about the system's restful capabilities that apply across all applications, such as security.

**security (optional)**

[*CapabilityStatement\_Rest\_Security*](#_CapabilityStatement_Rest_Security)

**resource (optional)**

[*array[CapabilityStatement\_Rest\_Resource]*](#_CapabilityStatement_Rest_Resource)

**interaction (optional)**

[*array[CapabilityStatement\_Rest\_Interaction]*](#_CapabilityStatement_Rest_Interactio)

**searchParam (optional)**

[*array[CapabilityStatement\_Rest\_Resource\_SearchParam]*](#CapabilityStatement_Rest_Resource_Search)

**operation (optional)**

[*array[CapabilityStatement\_Rest\_Resource\_Operation]*](#CapabilityStatement_Rest_Resource_Operat)

**compartment (optional)**

*array[]*

## CapabilityStatement\_Rest\_Interaction

**modifierExtension (optional)**

[*array[Extension]*](#_Extension)

**code**

Coded identifier of the operation, supported by the system resource.

**Enum:**

*transaction*

*batch*

*search-system*

*history-system*

**documentation (optional)**

Guidance specific to the implementation of this operation, such as 'delete is a logical delete' or 'updates are only allowed with version id' or 'creates permitted from pre authorized certificates only'.

## CapabilityStatement\_Rest\_Resource

**modifierExtension (optional)**

[*array[Extension]*](#_Extension)

**type**

A type of resource exposed via the restful interface.

**Enum:**

*Account*

*ActivityDefinition*

*AdverseEvent*

*AllergyIntolerance*

*Appointment*

*AppointmentResponse*

*AuditEvent*

*Basic*

*Binary*

*BiologicallyDerivedProduct*

*BodyStructure*

*Bundle*

*CapabilityStatement*

*CarePlan*

*CareTeam*

*CatalogEntry*

*ChargeItem*

*ChargeItemDefinition*

*Claim*

*ClaimResponse*

*ClinicalImpression*

*CodeSystem*

*Communication*

*CommunicationRequest*

*CompartmentDefinition*

*Composition*

*ConceptMap*

*Condition*

*Consent*

*Contract*

*Coverage*

*CoverageEligibilityRequest*

*CoverageEligibilityResponse*

*DetectedIssue*

*Device*

*DeviceDefinition*

*DeviceMetric*

*DeviceRequest*

*DeviceUseStatement*

*DiagnosticReport*

*DocumentManifest*

*DocumentReference*

*DomainResource*

*EffectEvidenceSynthesis*

*Encounter*

*Endpoint*

*EnrollmentRequest*

*EnrollmentResponse*

*EpisodeOfCare*

*EventDefinition*

*Evidence*

*EvidenceVariable*

*ExampleScenario*

*ExplanationOfBenefit*

*FamilyMemberHistory*

*Flag*

*Goal*

*GraphDefinition*

*Group*

*GuidanceResponse*

*HealthcareService*

*ImagingStudy*

*Immunization*

*ImmunizationEvaluation*

*ImmunizationRecommendation*

*ImplementationGuide*

*InsurancePlan*

*Invoice*

*Library*

*Linkage*

*List*

*Location*

*Measure*

*MeasureReport*

*Media*

*Medication*

*MedicationAdministration*

*MedicationDispense*

*MedicationKnowledge*

*MedicationRequest*

*MedicationStatement*

*MedicinalProduct*

*MedicinalProductAuthorization*

*MedicinalProductContraindication*

*MedicinalProductIndication*

*MedicinalProductIngredient*

*MedicinalProductInteraction*

*MedicinalProductManufactured*

*MedicinalProductPackaged*

*MedicinalProductPharmaceutical*

*MedicinalProductUndesirableEffect*

*MessageDefinition*

*MessageHeader*

*MolecularSequence*

*NamingSystem*

*NutritionOrder*

*Observation*

*ObservationDefinition*

*OperationDefinition*

*OperationOutcome*

*Organization*

*OrganizationAffiliation*

*Parameters*

*Patient*

*PaymentNotice*

*PaymentReconciliation*

*Person*

*PlanDefinition*

*Practitioner*

*PractitionerRole*

*Procedure*

*Provenance*

*Questionnaire*

*QuestionnaireResponse*

*RelatedPerson*

*RequestGroup*

*ResearchDefinition*

*ResearchElementDefinition*

*ResearchStudy*

*ResearchSubject*

*Resource*

*RiskAssessment*

*RiskEvidenceSynthesis*

*Schedule*

*SearchParameter*

*ServiceRequest*

*Slot*

*Specimen*

*SpecimenDefinition*

*StructureDefinition*

*StructureMap*

*Subscription*

*Substance*

*SubstanceNucleicAcid*

*SubstancePolymer*

*SubstanceProtein*

*SubstanceReferenceInformation*

*SubstanceSourceMaterial*

*SubstanceSpecification*

*SupplyDelivery*

*SupplyRequest*

*Task*

*TerminologyCapabilities*

*TestReport*

*TestScript*

*ValueSet*

*VerificationResult*

*VisionPrescription*

**profile (optional)**

A specification of the profile that describes the solution's overall support for the resource, including any constraints on cardinality, bindings, lengths or other limitations. See further discussion in <a href="profiling.html#profile uses">Using Profiles</a>.

**supportedProfile (optional)**

*array[]*

**documentation (optional)**

Additional information about the resource type used by the system.

**interaction (optional)**

[*array[CapabilityStatement\_Rest\_Resource\_Interaction]*](#CapabilityStatement_Rest_Resource_Intera)

**versioning (optional)**

This field is set to no version to specify that the system does not support (server) or use (client) versioning for this resource type. If this has some other value, the server must at least correctly track and populate the versionId meta property on resources. If the value is 'versioned update', then the server supports all the versioning features, including using e tags for version integrity in the API.

**Enum:**

*no-version*

*versioned*

*versioned-update*

**readHistory (optional)**

*Boolean* A flag for whether the server is able to return past versions as part of the vRead operation.

**updateCreate (optional)**

*Boolean* A flag to indicate that the server allows or needs to allow the client to create new identities on the server (that is, the client PUTs to a location where there is no existing resource). Allowing this operation means that the server allows the client to create new identities on the server.

**conditionalCreate (optional)**

*Boolean* A flag that indicates that the server supports conditional create.

**conditionalRead (optional)**

A code that indicates how the server supports conditional read.

**Enum:**

*not-supported*

*modified-since*

*not-match*

*full-support*

**conditionalUpdate (optional)**

*Boolean* A flag that indicates that the server supports conditional update.

**conditionalDelete (optional)**

A code that indicates how the server supports conditional delete.

**Enum:**

*not-supported*

*single*

*multiple*

**referencePolicy (optional)**

*array[]*

**Enum:**

**searchInclude (optional)**

*array[]*

**searchRevInclude (optional)**

*array[]*

**searchParam (optional)**

[*array[CapabilityStatement\_Rest\_Resource\_SearchParam]*](#CapabilityStatement_Rest_Resource_Search)

**operation (optional)**

[*array[CapabilityStatement\_Rest\_Resource\_Operation]*](#CapabilityStatement_Rest_Resource_Operat)

## CapabilityStatement\_Rest\_Resource\_Interaction

**modifierExtension (optional)**

[*array[Extension]*](#_Extension)

**code**

Coded identifier of the operation, supported by the system resource.

**Enum:**

*read*

*vread*

*update*

*patch*

*delete*

*history-instance*

*history-type*

*create*

*search-type*

**documentation (optional)**

Guidance specific to the implementation of this operation, such as 'delete is a logical delete' or 'updates are only allowed with version id' or 'creates permitted from pre authorized certificates only'.

## CapabilityStatement\_Rest\_Resource\_Operation

**modifierExtension (optional)**

[*array[Extension]*](#_Extension)

**name**

The name of the operation or query. For an operation, this is the name prefixed with $ and used in the URL. For a query, this is the name used in the \_query parameter when the query is called.

**definition**

Where the formal definition can be found. If a server references the base definition of an Operation (i.e. from the specification itself such as <code>http://hl7.org/fhir/OperationDefinition/ValueSet&amp;ndash;expand</code>), that means it supports the full capabilities of the operation e.g. both GET and POST invocation. If it only supports a subset, it must define its own custom <a href="operationdefinition.html#">OperationDefinition</a> with a 'base' of the original OperationDefinition. The custom definition would describe the specific subset of functionality supported.

**documentation (optional)**

Documentation that describes anything special about the operation behavior, possibly detailing different behavior for system, type and instance level invocation of the operation.

## CapabilityStatement\_Rest\_Resource\_SearchParam

**modifierExtension (optional)**

[*array[Extension]*](#_Extension)

**name**

The name of the search parameter used in the interface.

**definition (optional)**

An absolute URI that is a formal reference to where this parameter was first defined, so that a client can be confident of the meaning of the search parameter (a reference to <a href="searchparameter definitions.html#SearchParameter.url">SearchParameter.url</a>). This element SHALL be populated if the search parameter refers to a SearchParameter defined by the FHIR core specification or externally defined IGs.

**type**

The type of value a search parameter refers to, and how the content is interpreted.

**Enum:**

*number*

*date*

*string*

*token*

*reference*

*composite*

*quantity*

*uri*

*special*

**documentation (optional)**

This allows documentation of any distinct behaviors about how the search parameter is used. For example, text matching algorithms.

## CapabilityStatement\_Rest\_Security

**modifierExtension (optional)**

[*array[Extension]*](#_Extension)

**cors (optional)**

*Boolean* Server adds CORS headers when responding to requests this enables Javascript applications to use the server.

**service (optional)**

[*array[CodeableConcept]*](#_CodeableConcept)

**description (optional)**

General description of how security works.

## CapabilityStatement\_Software

**modifierExtension (optional)**

[*array[Extension]*](#_Extension)

**name**

Name the software is known by.

**version (optional)**

The version identifier for the software covered by this statement.

**releaseDate (optional)**

Date this version of the software was released.

## CodeableConcept

**id (optional)**

Unique id for the element within a resource (for internal references). This may be any string value that does not contain spaces.

**extension (optional)**

[*array[Extension]*](#_Extension)

*example: [{"url":"http://example.com","valueString":"text value"}]*

**coding (optional)**

[*array[Coding]*](#_Coding)

**text (optional)**

A human language representation of the concept as seen/selected/uttered by the user who entered the data and/or which represents the intended meaning of the user.

## Coding

**id (optional)**

Unique id for the element within a resource (for internal references). This may be any string value that does not contain spaces.

**extension (optional)**

[*array[Extension]*](#_Extension)

*example: [{"url":"http://example.com","valueString":"text value"}]*

**system (optional)**

The identification of the code system that defines the meaning of the symbol in the code.

**version (optional)**

The version of the code system which was used when choosing this code. Note that a well maintained code system does not need the version reported, because the meaning of codes is consistent across versions. However this cannot consistently be assured, and when the meaning is not guaranteed to be consistent, the version SHOULD be exchanged.

**code (optional)**

A symbol in syntax defined by the system. The symbol may be a predefined code or an expression in a syntax defined by the coding system (e.g. post coordination).

**display (optional)**

A representation of the meaning of the code in the system, following the rules of the system.

**userSelected (optional)**

*Boolean* Indicates that this coding was chosen by a user directly e.g. off a pick list of available items (codes or displays).

## ContactDetail

**id (optional)**

Unique id for the element within a resource (for internal references). This may be any string value that does not contain spaces.

**extension (optional)**

[*array[Extension]*](#_Extension)

*example: [{"url":"http://example.com","valueString":"text value"}]*

**name (optional)**

The name of an individual to contact.

**telecom (optional)**

[*array[ContactPoint]*](#_ContactPoint)

## ContactPoint

**id (optional)**

Unique id for the element within a resource (for internal references). This may be any string value that does not contain spaces.

**extension (optional)**

[*array[Extension]*](#_Extension)

*example: [{"url":"http://example.com","valueString":"text value"}]*

**system (optional)**

Telecommunications form for contact point what communications system is required to make use of the contact.

**Enum:**

*phone*

*fax*

*email*

*pager*

*url*

*sms*

*other*

**value (optional)**

The actual contact point details, in a form that is meaningful to the designated communication system (i.e. phone number or email address).

**use (optional)**

Identifies the purpose for the contact point.

**Enum:**

*home*

*work*

*temp*

*old*

*mobile*

**rank (optional)**

*Integer* Specifies a preferred order in which to use a set of contacts. ContactPoints with lower rank values are more preferred than those with higher rank values. format: int32

**period (optional)**

[*Period*](#_Period)

## Count

**value (optional)**

*BigDecimal* The value of the measured amount. The value includes an implicit precision in the presentation of the value.

**comparator (optional)**

How the value should be understood and represented whether the actual value is greater or less than the stated value due to measurement issues; e.g. if the comparator is “&lt;” , then the real value is &lt; stated value.

**Enum:**

*<*

*<=*

*>=*

*>*

**unit (optional)**

A human readable form of the unit.

**system (optional)**

The identification of the system that provides the coded form of the unit.

**code (optional)**

A computer processable form of the unit in some unit representation system.

## Distance

**value (optional)**

*BigDecimal* The value of the measured amount. The value includes an implicit precision in the presentation of the value.

**comparator (optional)**

How the value should be understood and represented whether the actual value is greater or less than the stated value due to measurement issues; e.g. if the comparator is “&lt;” , then the real value is &lt; stated value.

**Enum:**

*<*

*<=*

*>=*

*>*

**unit (optional)**

A human readable form of the unit.

**system (optional)**

The identification of the system that provides the coded form of the unit.

**code (optional)**

A computer processable form of the unit in some unit representation system.

## DomainResource

**resourceType**

**Enum:**

*Account*

*ActivityDefinition*

*AdverseEvent*

*AllergyIntolerance*

*Appointment*

*AppointmentResponse*

*AuditEvent*

*Basic*

*Binary*

*BiologicallyDerivedProduct*

*BodyStructure*

*Bundle*

*CapabilityStatement*

*CarePlan*

*CareTeam*

*CatalogEntry*

*ChargeItem*

*ChargeItemDefinition*

*Claim*

*ClaimResponse*

*ClinicalImpression*

*CodeSystem*

*Communication*

*CommunicationRequest*

*CompartmentDefinition*

*Composition*

*ConceptMap*

*Condition*

*Consent*

*Contract*

*Coverage*

*CoverageEligibilityRequest*

*CoverageEligibilityResponse*

*DetectedIssue*

*Device*

*DeviceDefinition*

*DeviceMetric*

*DeviceRequest*

*DeviceUseStatement*

*DiagnosticReport*

*DocumentManifest*

*DocumentReference*

*DomainResource*

*EffectEvidenceSynthesis*

*Encounter*

*Endpoint*

*EnrollmentRequest*

*EnrollmentResponse*

*EpisodeOfCare*

*EventDefinition*

*Evidence*

*EvidenceVariable*

*ExampleScenario*

*ExplanationOfBenefit*

*FamilyMemberHistory*

*Flag*

*Goal*

*GraphDefinition*

*Group*

*GuidanceResponse*

*HealthcareService*

*ImagingStudy*

*Immunization*

*ImmunizationEvaluation*

*ImmunizationRecommendation*

*ImplementationGuide*

*InsurancePlan*

*Invoice*

*Library*

*Linkage*

*List*

*Location*

*Measure*

*MeasureReport*

*Media*

*Medication*

*MedicationAdministration*

*MedicationDispense*

*MedicationKnowledge*

*MedicationRequest*

*MedicationStatement*

*MedicinalProduct*

*MedicinalProductAuthorization*

*MedicinalProductContraindication*

*MedicinalProductIndication*

*MedicinalProductIngredient*

*MedicinalProductInteraction*

*MedicinalProductManufactured*

*MedicinalProductPackaged*

*MedicinalProductPharmaceutical*

*MedicinalProductUndesirableEffect*

*MessageDefinition*

*MessageHeader*

*MolecularSequence*

*NamingSystem*

*NutritionOrder*

*Observation*

*ObservationDefinition*

*OperationDefinition*

*OperationOutcome*

*Organization*

*OrganizationAffiliation*

*Parameters*

*Patient*

*PaymentNotice*

*PaymentReconciliation*

*Person*

*PlanDefinition*

*Practitioner*

*PractitionerRole*

*Procedure*

*Provenance*

*Questionnaire*

*QuestionnaireResponse*

*RelatedPerson*

*RequestGroup*

*ResearchDefinition*

*ResearchElementDefinition*

*ResearchStudy*

*ResearchSubject*

*Resource*

*RiskAssessment*

*RiskEvidenceSynthesis*

*Schedule*

*SearchParameter*

*ServiceRequest*

*Slot*

*Specimen*

*SpecimenDefinition*

*StructureDefinition*

*StructureMap*

*Subscription*

*Substance*

*SubstanceNucleicAcid*

*SubstancePolymer*

*SubstanceProtein*

*SubstanceReferenceInformation*

*SubstanceSourceMaterial*

*SubstanceSpecification*

*SupplyDelivery*

*SupplyRequest*

*Task*

*TerminologyCapabilities*

*TestReport*

*TestScript*

*ValueSet*

*VerificationResult*

*VisionPrescription*

**id (optional)**

The logical id of the resource, as used in the URL for the resource. Once assigned, this value never changes.

**meta (optional)**

[*Meta*](#_Meta)

**implicitRules (optional)**

A reference to a set of rules that were followed when the resource was constructed, and which must be understood when processing the content. Often, this is a reference to an implementation guide that defines the special rules along with other profiles etc.

**language (optional)**

The base language in which the resource is written.

**text (optional)**

[*Narrative*](#_Narrative)

**contained (optional)**

[*array[Resource]*](#_Resource)

**extension (optional)**

[*array[Extension]*](#_Extension)

**modifierExtension (optional)**

*[array[Extension]](#_Extension)*

## Duration

**value (optional)**

*BigDecimal* The value of the measured amount. The value includes an implicit precision in the presentation of the value.

**comparator (optional)**

How the value should be understood and represented whether the actual value is greater or less than the stated value due to measurement issues; e.g. if the comparator is “&lt;” , then the real value is &lt; stated value.

**Enum:**

*<*

*<=*

*>=*

*>*

**unit (optional)**

A human readable form of the unit.

**system (optional)**

The identification of the system that provides the coded form of the unit.

**code (optional)**

A computer processable form of the unit in some unit representation system.

## Element

**id (optional)**

Unique id for the element within a resource (for internal references). This may be any string value that does not contain spaces.

**extension (optional)**

[*array[Extension]*](#_Extension)

*example: [{"url":"http://example.com","valueString":"text value"}]*

## Endpoint

**text (optional)**

[*Narrative*](#_Narrative)

**contained (optional)**

[*array[Resource]*](#_Resource)

**extension (optional)**

[*array[Extension]*](#_Extension)

**modifierExtension (optional)**

[*array[Extension]*](#_Extension)

**identifier (optional)**

[*array[Identifier]*](#_Identifier)

**status**

active | suspended | error | off | test.

**Enum:**

*active*

*suspended*

*error*

*off*

*entered-in-error*

*test*

**connectionType**

[*Coding*](#_Coding)

**name (optional)**

A friendly name that this endpoint can be referred to with.

**managingOrganization (optional)**

[*Reference*](#_Reference)

**contact (optional)**

[*array[ContactPoint]*](#_ContactPoint)

**period (optional)**

[*Period*](#_Period)

**payloadType**

[*array[CodeableConcept]*](#_CodeableConcept)

**payloadMimeType (optional)**

*array[]*

**address**

The uri that describes the actual end point to connect to.

**header (optional)**

*array[]*

## Extension

**id (optional)**

Unique id for the element within a resource (for internal references). This may be any string value that does not contain spaces.

**extension (optional)**

[*array[Extension]*](#_Extension)

*example: [{"url":"http://example.com","valueString":"text value"}]*

**url**

Source of the definition for the extension code a logical name or a URL.

**valueBase64Binary (optional)**

Value of extension must be one of a constrained set of the data types (see <a href="extensibility.html">Extensibility</a> for a list).

**valueBoolean (optional)**

*Boolean* Value of extension must be one of a constrained set of the data types

(see <a href="extensibility.html">Extensibility</a> for a list).

**valueCanonical (optional)**

Value of extension must be one of a constrained set of the data types (see <a href="extensibility.html">Extensibility</a> for a list).

**valueCode (optional)**

Value of extension must be one of a constrained set of the data types (see <a href="extensibility.html">Extensibility</a> for a list).

**valueDate (optional)**

Value of extension must be one of a constrained set of the data types (see <a href="extensibility.html">Extensibility</a> for a list).

**valueDateTime (optional)**

Value of extension must be one of a constrained set of the data types (see <a href="extensibility.html">Extensibility</a> for a list).

**valueDecimal (optional)**

*BigDecimal* Value of extension must be one of a constrained set of the data types (see <a href="extensibility.html">Extensibility</a> for a list).

**valueId (optional)**

Value of extension must be one of a constrained set of the data types (see <a href="extensibility.html">Extensibility</a> for a list).

**valueInstant (optional)**

Value of extension must be one of a constrained set of the data types (see <a href="extensibility.html">Extensibility</a> for a list).

**valueInteger (optional)**

*Integer* Value of extension must be one of a constrained set of the data types (see <a href="extensibility.html">Extensibility</a> for a list). format: int32

**valueMarkdown (optional)**

Value of extension must be one of a constrained set of the data types (see <a href="extensibility.html">Extensibility</a> for a list).

**valueOid (optional)**

Value of extension must be one of a constrained set of the data types (see <a href="extensibility.html">Extensibility</a> for a list).

**valuePositiveInt (optional)**

*Integer* Value of extension must be one of a constrained set of the data types (see <a href="extensibility.html">Extensibility</a> for a list). format: int32

**value*String* (optional)**

Value of extension must be one of a constrained set of the data types (see <a href="extensibility.html">Extensibility</a> for a list).

**valueTime (optional)**

Value of extension must be one of a constrained set of the data types (see <a href="extensibility.html">Extensibility</a> for a list).

**valueUnsignedInt (optional)**

*Integer* Value of extension must be one of a constrained set of the data types (see <a href="extensibility.html">Extensibility</a> for a list). format: int32

**valueUri (optional)**

Value of extension must be one of a constrained set of the data types (see <a href="extensibility.html">Extensibility</a> for a list).

**valueUrl (optional)**

Value of extension must be one of a constrained set of the data types (see <a href="extensibility.html">Extensibility</a> for a list).

**valueUuid (optional)**

Value of extension must be one of a constrained set of the data types (see <a href="extensibility.html">Extensibility</a> for a list).

**valueAddress (optional)**

[*Address*](#_Address)

**valueAge (optional)**

[*Age*](#_Age)

**valueAnnotation (optional)**

[*Annotation*](#_Annotation)

**valueAttachment (optional)**

[*Attachment*](#_Attachment)

**valueCodeableConcept (optional)**

[*CodeableConcept*](#_CodeableConcept)

**valueCoding (optional)**

[*Coding*](#_Coding)

**valueContactPoint (optional)**

[*ContactPoint*](#_ContactPoint)

**valueCount (optional)**

[*Count*](#_Count)

**valueDistance (optional)**

[*Distance*](#_Distance)

**valueDuration (optional)**

[*Duration*](#_Duration)

**valueHumanName (optional)**

[*HumanName*](#_HumanName)

**valueIdentifier (optional)**

[*Identifier*](#_Identifier)

**valueMoney (optional)**

[*Money*](#_Money)

**valuePeriod (optional)**

[*Period*](#_Period)

**valueQuantity (optional)**

[*Quantity*](#_Quantity)

**valueRange (optional)**

[*Range*](#_Range)

**valueRatio (optional)**

[*Ratio*](#_Ratio)

**valueReference (optional)**

[*Reference*](#_Reference)

**valueSampledData (optional)**

[*SampledData*](#_SampledData)

**valueSignature (optional)**

[*Signature*](#_Signature)

**valueTiming (optional)**

[*Timing*](#_Timing)

**valueContactDetail (optional)**

[*ContactDetail*](#_ContactDetail)

**valueRelatedArtifact (optional)**

[*RelatedArtifact*](#_RelatedArtifact)

**valueUsageContext (optional)**

[*UsageContext*](#_UsageContext)

**valueMeta (optional)**

[*Meta*](#_Meta)

## HealthcareService

**text (optional)**

[*Narrative*](#_Narrative)

**contained (optional)**

[*array[Resource]*](#_Resource)

**extension (optional)**

[*array[Extension]*](#_Extension)

**modifierExtension (optional)**

[*array[Extension]*](#_Extension)

**identifier (optional)**

[*array[Identifier]*](#_Identifier)

**active (optional)**

*Boolean* This flag is used to mark the record to not be used. This is not used when a center is closed for maintenance, or for holidays, the notAvailable period is to be used for this.

**providedBy (optional)**

[*Reference*](#_Reference)

**category (optional)**

[*array[CodeableConcept]*](#_CodeableConcept)

**type (optional)**

[*array[CodeableConcept]*](#_CodeableConcept)

**specialty (optional)**

[*array[CodeableConcept]*](#_CodeableConcept)

**location (optional)**

*array[*[*Reference*](#_Reference)*]*

**name (optional)**

Further description of the service as it would be presented to a consumer while searching.

**comment (optional)**

Any additional description of the service and/or any specific issues not covered by the other attributes, which can be displayed as further detail under the serviceName.

**extraDetails (optional)**

Extra details about the service that can't be placed in the other fields.

**photo (optional)**

[*Attachment*](#_Attachment)

**telecom (optional)**

[*array[ContactPoint]*](#_ContactPoint)

**coverageArea (optional)**

*array[*[*Reference*](#_Reference)*]*

**serviceProvisionCode (optional)**

[*array[CodeableConcept]*](#_CodeableConcept)

**eligibility (optional)**

[*array[HealthcareService\_Eligibility]*](#_HealthcareService_Eligibility)

**program (optional)**

[*array[CodeableConcept]*](#_CodeableConcept)

**characteristic (optional)**

[*array[CodeableConcept]*](#_CodeableConcept)

**communication (optional)**

[*array[CodeableConcept]*](#_CodeableConcept)

**referralMethod (optional)**

[*array[CodeableConcept]*](#_CodeableConcept)

**appointmentRequired (optional)**

*Boolean* Indicates whether or not a prospective consumer will require an appointment for a particular service at a site to be provided by the Organization. Indicates if an appointment is required for access to this service.

**availableTime (optional)**

[*array[HealthcareService\_AvailableTime]*](#_HealthcareService_AvailableTime)

**notAvailable (optional)**

[*array[HealthcareService\_NotAvailable]*](#_HealthcareService_NotAvailable)

**availabilityExceptions (optional)**

A description of site availability exceptions, e.g. public holiday availability. Succinctly describing all possible exceptions to normal site availability as details in the available Times and not available Times.

**endpoint (optional)**

[*array*[*Reference*](#_Reference)*]*](file:///C:\Users\JonathanNoyes\Downloads\index.html#Reference)

## HealthcareService\_AvailableTime

**modifierExtension (optional)**

[*array[Extension]*](#_Extension)

**daysOfWeek (optional)**

*array[]*

**Enum:**

**allDay (optional)**

*Boolean* Is this always available? (hence times are irrelevant) e.g. 24 hour service.

**availableStartTime (optional)**

The opening time of day. Note: If the AllDay flag is set, then this time is ignored.

**availableEndTime (optional)**

The closing time of day. Note: If the AllDay flag is set, then this time is ignored.

## HealthcareService\_Eligibility

**modifierExtension (optional)**

[*array[Extension]*](#_Extension)

**code (optional)**

[*CodeableConcept*](#_CodeableConcept)

**comment (optional)**

Describes the eligibility conditions for the service.

## HealthcareService\_NotAvailable

**modifierExtension (optional)**

[*array[Extension]*](#_Extension)

**description**

The reason that can be presented to the user as to why this time is not available.

**during (optional)**

[*Period*](#_Period)

## HumanName

**id (optional)**

Unique id for the element within a resource (for internal references). This may be any string value that does not contain spaces.

**extension (optional)**

[*array[Extension]*](#_Extension)

*example: [{"url":"http://example.com","valueString":"text value"}]*

**use (optional)**

Identifies the purpose for this name.

**Enum:**

*usual*

*official*

*temp*

*nickname*

*anonymous*

*old*

*maiden*

**text (optional)**

Specifies the entire name as it should be displayed e.g. on an application UI. This may be provided instead of or as well as the specific parts.

**family (optional)**

The part of a name that links to the genealogy. In some cultures (e.g. Eritrea) the family name of a son is the first name of his father.

**given (optional)**

*array[]*

**prefix (optional)**

*array[]*

**suffix (optional)**

*array[]*

**period (optional)**

*[Period](#_Period)*

## Identifier

**id (optional)**

Unique id for the element within a resource (for internal references). This may be any string value that does not contain spaces.

**extension (optional)**

[*array[Extension]*](#_Extension)

*example: [{"url":"http://example.com","valueString":"text value"}]*

**use (optional)**

The purpose of this identifier.

**Enum:**

*usual*

*official*

*temp*

*secondary*

*old*

**type (optional)**

[*CodeableConcept*](#_CodeableConcept)

**system (optional)**

Establishes the namespace for the value that is, a URL that describes a set values that are unique.

**value (optional)**

The portion of the identifier typically relevant to the user and which is unique within the context of the system.

**period (optional)**

[*Period*](#_Period)

**assigner (optional)**

# [Reference](file:///C:\Users\JonathanNoyes\Downloads\index.html#Reference)

## InsurancePlan

**text (optional)**

[*Narrative*](#_Narrative)

**contained (optional)**

[*array[Resource]*](#_Resource)

**extension (optional)**

[*array[Extension]*](#_Extension)

**modifierExtension (optional)**

[*array[Extension]*](#_Extension)

**identifier (optional)**

[*array[Identifier]*](#_Identifier_1)

**status (optional)**

The current state of the health insurance product.

**Enum:**

*draft*

*active*

*retired*

*unknown*

**type (optional)**

[*array[CodeableConcept]*](#_CodeableConcept)

**name (optional)**

Official name of the health insurance product as designated by the owner.

**alias (optional)**

[*array[]*](file:///C:\Users\JonathanNoyes\Downloads\index.html#string)

**period (optional)**

[*Period*](#_Period)

**ownedBy (optional)**

[*Reference*](#_Reference)

**administeredBy (optional)**

[*Reference*](#_Reference)

**coverageArea (optional)**

[*array[Reference]*](#_Reference)

**contact (optional)**

[*array[InsurancePlan\_Contact]*](#_InsurancePlan_Contact)

**endpoint (optional)**

[*array[Reference]*](#_Reference)

**network (optional)**

[*array[Reference]*](#_Reference)

**coverage (optional)**

[*array[InsurancePlan\_Coverage]*](#_InsurancePlan_Coverage)

**plan (optional)**

[*array[InsurancePlan\_Plan]*](#_InsurancePlan_Plan)

## InsurancePlan\_Contact

**modifierExtension (optional)**

[*array[Extension]*](#_Extension)

**purpose (optional)**

[*CodeableConcept*](#_CodeableConcept)

**name (optional)**

[*HumanName*](#_HumanName)

**telecom (optional)**

[*array[ContactPoint]*](#_ContactPoint)

**address (optional)**

[*Address*](#_Address)

## InsurancePlan\_Coverage

**modifierExtension (optional)**

[*array[Extension]*](#_Extension)

**type**

[*CodeableConcept*](#_CodeableConcept)

**network (optional)**

[*array[Reference]*](#_Reference)

**benefit**

[*array[InsurancePlan\_Coverage\_Benefit]*](#_InsurancePlan_Coverage_Benefit)

## InsurancePlan\_Coverage\_Benefit

**modifierExtension (optional)**

[*array[Extension]*](#_Extension)

**type**

[*CodeableConcept*](#_CodeableConcept)

**requirement (optional)**

The referral requirements to have access/coverage for this benefit.

**limit (optional)**

[*array[InsurancePlan\_Coverage\_Benefit\_Limit]*](#_InsurancePlan_Coverage_Benefit_Limi)

## InsurancePlan\_Coverage\_Benefit\_Limit

**modifierExtension (optional)**

[*array[Extension]*](#_Extension)

**value (optional)**

[*Quantity*](#_Quantity)

**code (optional)**

*[CodeableConcept](#_CodeableConcept)*

## InsurancePlan\_Plan

**modifierExtension (optional)**

[*array[Extension]*](#_Extension)

**identifier (optional)**

[*array[Identifier]*](#_Identifier_1)

**type (optional)**

[*CodeableConcept*](#_CodeableConcept)

**coverageArea (optional)**

[*array[Reference]*](#_Reference)

**network (optional)**

[*array[Reference]*](#_Reference)

**generalCost (optional)**

[*array[InsurancePlan\_Plan\_GeneralCost]*](#_InsurancePlan_Plan_GeneralCost)

**specificCost (optional)**

[*array[InsurancePlan\_Plan\_SpecificCost]*](#_InsurancePlan_Plan_SpecificCost)

## InsurancePlan\_Plan\_GeneralCost

**modifierExtension (optional)**

[*array[Extension]*](#_Extension)

**type (optional)**

[*CodeableConcept*](#_CodeableConcept)

**groupSize (optional)**

*Integer* Number of participants enrolled in the plan. format: int32

**cost (optional)**

[*Money*](#_Money)

**comment (optional)**

Additional information about the general costs associated with this plan.

## InsurancePlan\_Plan\_SpecificCost

**modifierExtension (optional)**

[*array[Extension]*](#_Extension)

**category**

[*CodeableConcept*](#_CodeableConcept)

**benefit (optional)**

[*array[InsurancePlan\_Plan\_SpecificCost\_Benefit]*](#_InsurancePlan_Plan_SpecificCost_Ben)

## InsurancePlan\_Plan\_SpecificCost\_Benefit

**modifierExtension (optional)**

[*array[Extension]*](#_Extension)

**type**

[*CodeableConcept*](#_CodeableConcept)

**cost (optional)**

[*array[InsurancePlan\_Plan\_SpecificCost\_Benefit\_Cost]*](#InsurancePlan_Plan_SpecificCost_Benefit_)

## InsurancePlan\_Plan\_SpecificCost\_Benefit\_Cost

**modifierExtension (optional)**

[*array[Extension]*](#_Extension)

**type**

[*CodeableConcept*](#_CodeableConcept)

**applicability (optional)**

[*CodeableConcept*](#_CodeableConcept)

**qualifiers (optional)**

[*array[CodeableConcept]*](#_CodeableConcept)

**value (optional)**

[*Quantity*](#_Quantity)

## Location

**text (optional)**

[*Narrative*](#_Narrative)

**contained (optional)**

[*array[Resource]*](#_Resource)

**extension (optional)**

[*array[Extension]*](#_Extension)

**modifierExtension (optional)**

[*array[Extension]*](#_Extension)

**identifier (optional)**

[*array[Identifier]*](#_Identifier_1)

**status (optional)**

The status property covers the general availability of the resource, not the current value which may be covered by the operationStatus, or by a schedule/slots if they are configured for the location.

**Enum:**

*active*

*suspended*

*inactive*

**operationalStatus (optional)**

[*Coding*](#_Coding)

**name (optional)**

Name of the location as used by humans. Does not need to be unique.

**alias (optional)**

*array[]*

**description (optional)**

Description of the Location, which helps in finding or referencing the place.

**mode (optional)**

Indicates whether a resource instance represents a specific location or a class of locations.

**Enum:**

*instance*

*kind*

**type (optional)**

[*array[CodeableConcept]*](#_CodeableConcept)

**telecom (optional)**

[*array[ContactPoint]*](#_ContactPoint)

**address (optional)**

[*Address*](#_Address)

**physicalType (optional)**

[*CodeableConcept*](#_CodeableConcept)

**position (optional)**

[*Location\_Position*](#_Location_Position)

**managingOrganization (optional)**

[*Reference*](#_Reference)

**partOf (optional)**

[*Reference*](#_Reference)

**hoursOfOperation (optional)**

[*array[Location\_HoursOfOperation]*](#_Location_HoursOfOperation)

**availabilityExceptions (optional)**

A description of when the locations opening ours are different to normal, e.g. public holiday availability. Succinctly describing all possible exceptions to normal site availability as detailed in the opening hours Times.

**endpoint (optional)**

[*array[Reference]*](#_Reference)

## Location\_HoursOfOperation

**modifierExtension (optional)**

[*array[Extension]*](#_Extension)

**daysOfWeek (optional)**

*array[]*

**allDay (optional)**

*Boolean* The Location is open all day.

**openingTime (optional)**

Time that the Location opens.

**closingTime (optional)**

Time that the Location closes.

## Location\_Position

**modifierExtension (optional)**

[*array[Extension]*](#_Extension)

**longitude**

*BigDecimal*  Longitude. The value domain and the interpretation are the same as for the text of the longitude element in KML (see notes below).

**latitude**

*BigDecimal*  Latitude. The value domain and the interpretation are the same as for the text of the latitude element in KML (see notes below).

**altitude (optional)**

*BigDecimal*  Altitude. The value domain and the interpretation are the same as for the text of the altitude element in KML (see notes below).

## Meta

**id (optional)**

Unique id for the element within a resource (for internal references). This may be any string value that does not contain spaces.

**extension (optional)**

[*array[Extension]*](#_Extension)

*example: [{"url":"http://example.com","valueString":"text value"}]*

**versionId (optional)**

The version specific identifier, as it appears in the version portion of the URL. This value changes when the resource is created, updated, or deleted.

**lastUpdated (optional)**

When the resource last changed e.g. when the version changed.

**source (optional)**

A uri that identifies the source system of the resource. This provides a minimal amount of <a href="provenance.html#">Provenance</a> information that can be used to track or differentiate the source of information in the resource. The source may identify another FHIR server, document, message, database, etc.

**profile (optional)**

*array[]*

**security (optional)**

[*array[Coding]*](#_Coding)

**tag (optional)**

*[array[Coding]](#_Coding)*

## Money

**id (optional)**

Unique id for the element within a resource (for internal references). This may be any string value that does not contain spaces.

**extension (optional)**

[*array[Extension]*](#_Extension)

*example: [{"url":"http://example.com","valueString":"text value"}]*

**value (optional)**

*BigDecimal* Numerical value (with implicit precision).

**currency (optional)**

ISO 4217 Currency Code.

## MoneyQuantity

**value (optional)**

*BigDecimal* The value of the measured amount. The value includes an implicit precision in the presentation of the value.

**comparator (optional)**

How the value should be understood and represented whether the actual value is greater or less than the stated value due to measurement issues; e.g. if the comparator is “&lt;” , then the real value is &lt; stated value.

**Enum:**

*<*

*<=*

*>=*

*>*

**unit (optional)**

A human readable form of the unit.

**system (optional)**

The identification of the system that provides the coded form of the unit.

**code (optional)**

A computer processable form of the unit in some unit representation system.

## Narrative

**id (optional)**

Unique id for the element within a resource (for internal references). This may be any string value that does not contain spaces.

**extension (optional)**

[*array[Extension]*](#_Extension)

*example: [{"url":"http://example.com","valueString":"text value"}]*

**status**

The status of the narrative whether it's entirely generated (from just the defined data or the extensions too), or whether a human authored it and it may contain additional data.

**Enum:**

*generated*

*extensions*

*additional*

*empty*

**div**

 The actual narrative content, a stripped down version of XHTML.

## OperationOutcome

**text (optional)**

[*Narrative*](#_Narrative)

**contained (optional)**

[*array[Resource]*](#_Resource)

**extension (optional)**

[*array[Extension]*](#_Extension)

**modifierExtension (optional)**

[*array[Extension]*](#_Extension)

**issue**

[*array[OperationOutcome\_Issue]*](#_OperationOutcome_Issue)

## OperationOutcome\_Issue

**modifierExtension (optional)**

[*array[Extension]*](#_Extension)

**severity**

Indicates whether the issue indicates a variation from successful processing.

**Enum:**

*fatal*

*error*

*warning*

*information*

**code**

Describes the type of the issue. The system that creates an OperationOutcome SHALL choose the most applicable code from the IssueType value set, and may additional provide its own code for the error in the details element.

**Enum:**

*invalid*

*structure*

*required*

*value*

*invariant*

*security*

*login*

*unknown*

*expired*

*forbidden*

*suppressed*

*processing*

*not-supported*

*duplicate*

*multiple-matches*

*not-found*

*deleted*

*too-long*

*code-invalid*

*extension*

*too-costly*

*business-rule*

*conflict*

*transient*

*lock-error*

*no-store*

*exception*

*timeout*

*incomplete*

*throttled*

*informational*

**details (optional)**

[*CodeableConcept*](#_CodeableConcept)

**diagnostics (optional)**

Additional diagnostic information about the issue.

**location (optional)**

*array[]*

**expression (optional)**

*array[]*

## Organization

**text (optional)**

[*Narrative*](#_Narrative)

**contained (optional)**

[*array[Resource]*](#_Resource)

**extension (optional)**

[*array[Extension]*](#_Extension)

**modifierExtension (optional)**

[*array[Extension]*](#_Extension)

**identifier (optional)**

[*array[Identifier]*](#_Identifier_1)

**active (optional)**

*Boolean* Whether the organization's record is still in active use.

**type (optional)**

[*array[CodeableConcept]*](#_CodeableConcept)

**name (optional)**

A name associated with the organization.

**alias (optional)**

*array[]*

**telecom (optional)**

[*array[ContactPoint]*](#_ContactPoint)

**address (optional)**

[*array[Address]*](#_Address)

**partOf (optional)**

[*Reference*](#_Reference)

**contact (optional)**

[*array[Organization\_Contact]*](#_Organization_Contact)

**endpoint (optional)**

*array[*[*Reference*](#_Reference)*]*

## OrganizationAffiliation

**text (optional)**

[*Narrative*](#_Narrative)

**contained (optional)**

[*array[Resource]*](#_Resource)

**extension (optional)**

[*array[Extension]*](#_Extension)

**modifierExtension (optional)**

[*array[Extension]*](#_Extension)

**identifier (optional)**

[*array[Identifier]*](#_Identifier_1)

**active (optional)**

*Boolean* Whether this organization affiliation record is in active use.

**period (optional)**

[*Period*](#_Period)

**organization (optional)**

[*Reference*](#_Reference)

**participatingOrganization (optional)**

[*Reference*](#_Reference)

**network (optional)**

*array[*[*Reference*](#_Reference)*]*

**code (optional)**

[*array[CodeableConcept]*](#_CodeableConcept)

**specialty (optional)**

[*array[CodeableConcept]*](#_CodeableConcept)

**location (optional)**

*array[*[*Reference*](#_Reference)*]*

**healthcareService (optional)**

*array[*[*Reference*](#_Reference)*]*

**telecom (optional)**

[*array[ContactPoint]*](#_ContactPoint)

**endpoint (optional)**

*array[*[*Reference*](#_Reference)*]*

## Organization\_Contact

**modifierExtension (optional)**

[*array[Extension]*](#_Extension)

**purpose (optional)**

[*CodeableConcept*](#_CodeableConcept)

**name (optional)**

[*HumanName*](#_HumanName)

**telecom (optional)**

[*array[ContactPoint]*](#_ContactPoint)

**address (optional)**

[*Address*](#_Address)

## Period

**id (optional)**

Unique id for the element within a resource (for internal references). This may be any string value that does not contain spaces.

**extension (optional)**

[*array[Extension]*](#_Extension)

*example: [{"url":"http://example.com","valueString":"text value"}]*

**start (optional)**

The start of the period. The boundary is inclusive.

**end (optional)**

The end of the period. If the end of the period is missing, it means no end was known or planned at the time the instance was created. The start may be in the past, and the end date in the future, which means that period is expected/planned to end at that time.

## Practitioner

**text (optional)**

[*Narrative*](#_Narrative)

**contained (optional)**

[*array[Resource]*](#_Resource)

**extension (optional)**

[*array[Extension]*](#_Extension)

**modifierExtension (optional)**

[*array[Extension]*](#_Extension)

**identifier (optional)**

[*array[Identifier]*](#_Identifier_1)

**active (optional)**

*Boolean* Whether this practitioner's record is in active use.

**name (optional)**

[*array[HumanName]*](#_HumanName)

**telecom (optional)**

[*array[ContactPoint]*](#_ContactPoint)

**address (optional)**

[*array[Address]*](#_Address)

**gender (optional)**

Administrative Gender the gender that the person is considered to have for administration and record keeping purposes.

**Enum:**

*male*

*female*

*other*

*unknown*

**birthDate (optional)**

The date of birth for the practitioner.

**photo (optional)**

[*array[Attachment]*](#_Attachment)

**qualification (optional)**

[*array[Practitioner\_Qualification]*](#_Practitioner_Qualification)

**communication (optional)**

[*array[CodeableConcept]*](#_CodeableConcept)

## PractitionerRole

**text (optional)**

[*Narrative*](#_Narrative)

**contained (optional)**

[*array[Resource]*](#_Resource)

**extension (optional)**

[*array[Extension]*](#_Extension)

**modifierExtension (optional)**

[*array[Extension]*](#_Extension)

**identifier (optional)**

[*array[Identifier]*](#_Identifier_1)

**active (optional)**

*Boolean* Whether this practitioner role record is in active use.

**period (optional)**

[*Period*](#_Period)

**practitioner (optional)**

[*Reference*](#_Reference)

**organization (optional)**

[*Reference*](#_Reference)

**code (optional)**

[*array[CodeableConcept]*](#_CodeableConcept)

**specialty (optional)**

[*array[CodeableConcept]*](#_CodeableConcept)

**location (optional)**

*array[*[*Reference*](#_Reference)*]*

**healthcareService (optional)**

*array[*[*Reference*](#_Reference)*]*

**telecom (optional)**

[*array[ContactPoint]*](#_ContactPoint)

**availableTime (optional)**

[*array[PractitionerRole\_AvailableTime]*](#_PractitionerRole_AvailableTime)

**notAvailable (optional)**

[*array[PractitionerRole\_NotAvailable]*](#_PractitionerRole_NotAvailable)

**availabilityExceptions (optional)**

A description of site availability exceptions, e.g. public holiday availability. Succinctly describing all possible exceptions to normal site availability as details in the available Times and not available Times.

**endpoint (optional)**

*array[*[*Reference*](#_Reference)*]*

## PractitionerRole\_AvailableTime

**modifierExtension (optional)**

[*array[Extension]*](#_Extension)

**daysOfWeek (optional)**

*array[]*

**Enum:**

**allDay (optional)**

*Boolean* Is this always available? (hence times are irrelevant) e.g. 24 hour service.

**availableStartTime (optional)**

The opening time of day. Note: If the AllDay flag is set, then this time is ignored.

**availableEndTime (optional)**

The closing time of day. Note: If the AllDay flag is set, then this time is ignored.

## PractitionerRole\_NotAvailable

**modifierExtension (optional)**

[*array[Extension]*](#_Extension)

**description**

The reason that can be presented to the user as to why this time is not available.

**during (optional)**

*[Period](#_Period)*

## Practitioner\_Qualification

**modifierExtension (optional)**

[*array[Extension]*](#_Extension)

**identifier (optional)**

[*array[Identifier]*](#_Identifier_1)

**code**

[*CodeableConcept*](#_CodeableConcept)

**period (optional)**

[*Period*](#_Period)

**issuer (optional)**

[*Reference*](#_Reference)

## Quantity

**id (optional)**

Unique id for the element within a resource (for internal references). This may be any string value that does not contain spaces.

**extension (optional)**

[*array[Extension]*](#_Extension)

*example: [{"url":"http://example.com","valueString":"text value"}]*

**value (optional)**

*BigDecimal*  The value of the measured amount. The value includes an implicit precision in the presentation of the value.

**comparator (optional)**

How the value should be understood and represented whether the actual value is greater or less than the stated value due to measurement issues; e.g. if the comparator is “&lt;” , then the real value is &lt; stated value.

**Enum:**

*<*

*<=*

*>=*

*>*

**unit (optional)**

A human readable form of the unit.

**system (optional)**

The identification of the system that provides the coded form of the unit.

**code (optional)**A computer processable form of the unit in some unit representation system.

## Range

**id (optional)**

Unique id for the element within a resource (for internal references). This may be any string value that does not contain spaces.

**extension (optional)**

[*array[Extension]*](#_Extension)

*example: [{"url":"http://example.com","valueString":"text value"}]*

**low (optional)**

[*SimpleQuantity*](#_SimpleQuantity)

**high (optional)**

*[SimpleQuantity](#_SimpleQuantity)*

## Ratio

**id (optional)**

Unique id for the element within a resource (for internal references). This may be any string value that does not contain spaces.

**extension (optional)**

[*array[Extension]*](#_Extension)

*example: [{"url":"http://example.com","valueString":"text value"}]*

**numerator (optional)**

[*Quantity*](#_Quantity)

**denominator (optional)**

*[Quantity](#_Quantity)*

## Reference

**id (optional)**

Unique id for the element within a resource (for internal references). This may be any string value that does not contain spaces.

**extension (optional)**

[*array[Extension]*](#_Extension)

*example: [{"url":"http://example.com","valueString":"text value"}]*

**reference (optional)**

A reference to a location at which the other resource is found. The reference may be a relative reference, in which case it is relative to the service base URL, or an absolute URL that resolves to the location where the resource is found. The reference may be version specific or not. If the reference is not to a FHIR RESTful server, then it should be assumed to be version specific. Internal fragment references (start with '#') refer to contained resources.

**type (optional)**

<p>The expected type of the target of the reference. If both Reference.type and Reference.reference are populated and Reference.reference is a FHIR URL, both SHALL be consistent.</p> <p>The type is the Canonical URL of Resource Definition that is the type this reference refers to. References are URLs that are relative to http://hl7.org/fhir/StructureDefinition/ e.g. “Patient” is a reference to http://hl7.org/fhir/StructureDefinition/Patient. Absolute URLs are only allowed for logical models (and can only be used in references in logical models, not resources).</p>

**identifier (optional)**

[*Identifier*](#_Identifier_1)

**display (optional)**

Plain text narrative that identifies the resource in addition to the resource reference.

## RelatedArtifact

**id (optional)**

Unique id for the element within a resource (for internal references). This may be any string value that does not contain spaces.

**extension (optional)**

[*array[Extension]*](#_Extension)

*example: [{"url":"http://example.com","valueString":"text value"}]*

**type**

The type of relationship to the related artifact.

**Enum:**

*documentation*

*justification*

*citation*

*predecessor*

*successor*

*derived-from*

*depends-on*

*composed-of*

**label (optional)**

A short label that can be used to reference the citation from elsewhere in the containing artifact, such as a footnote index.

**display (optional)**

A brief description of the document or knowledge resource being referenced, suitable for display to a consumer.

**citation (optional)**

A bibliographic citation for the related artifact. This text SHOULD be formatted according to an accepted citation format.

**url (optional)**

A url for the artifact that can be followed to access the actual content.

**document (optional)**

[*Attachment*](#_Attachment)

**resource (optional)**

The related resource, such as a library, value set, profile, or other knowledge resource.

## Resource

**resourceType**

**Enum:**

*Account*

*ActivityDefinition*

*AdverseEvent*

*AllergyIntolerance*

*Appointment*

*AppointmentResponse*

*AuditEvent*

*Basic*

*Binary*

*BiologicallyDerivedProduct*

*BodyStructure*

*Bundle*

*CapabilityStatement*

*CarePlan*

*CareTeam*

*CatalogEntry*

*ChargeItem*

*ChargeItemDefinition*

*Claim*

*ClaimResponse*

*ClinicalImpression*

*CodeSystem*

*Communication*

*CommunicationRequest*

*CompartmentDefinition*

*Composition*

*ConceptMap*

*Condition*

*Consent*

*Contract*

*Coverage*

*CoverageEligibilityRequest*

*CoverageEligibilityResponse*

*DetectedIssue*

*Device*

*DeviceDefinition*

*DeviceMetric*

*DeviceRequest*

*DeviceUseStatement*

*DiagnosticReport*

*DocumentManifest*

*DocumentReference*

*DomainResource*

*EffectEvidenceSynthesis*

*Encounter*

*Endpoint*

*EnrollmentRequest*

*EnrollmentResponse*

*EpisodeOfCare*

*EventDefinition*

*Evidence*

*EvidenceVariable*

*ExampleScenario*

*ExplanationOfBenefit*

*FamilyMemberHistory*

*Flag*

*Goal*

*GraphDefinition*

*Group*

*GuidanceResponse*

*HealthcareService*

*ImagingStudy*

*Immunization*

*ImmunizationEvaluation*

*ImmunizationRecommendation*

*ImplementationGuide*

*InsurancePlan*

*Invoice*

*Library*

*Linkage*

*List*

*Location*

*Measure*

*MeasureReport*

*Media*

*Medication*

*MedicationAdministration*

*MedicationDispense*

*MedicationKnowledge*

*MedicationRequest*

*MedicationStatement*

*MedicinalProduct*

*MedicinalProductAuthorization*

*MedicinalProductContraindication*

*MedicinalProductIndication*

*MedicinalProductIngredient*

*MedicinalProductInteraction*

*MedicinalProductManufactured*

*MedicinalProductPackaged*

*MedicinalProductPharmaceutical*

*MedicinalProductUndesirableEffect*

*MessageDefinition*

*MessageHeader*

*MolecularSequence*

*NamingSystem*

*NutritionOrder*

*Observation*

*ObservationDefinition*

*OperationDefinition*

*OperationOutcome*

*Organization*

*OrganizationAffiliation*

*Parameters*

*Patient*

*PaymentNotice*

*PaymentReconciliation*

*Person*

*PlanDefinition*

*Practitioner*

*PractitionerRole*

*Procedure*

*Provenance*

*Questionnaire*

*QuestionnaireResponse*

*RelatedPerson*

*RequestGroup*

*ResearchDefinition*

*ResearchElementDefinition*

*ResearchStudy*

*ResearchSubject*

*Resource*

*RiskAssessment*

*RiskEvidenceSynthesis*

*Schedule*

*SearchParameter*

*ServiceRequest*

*Slot*

*Specimen*

*SpecimenDefinition*

*StructureDefinition*

*StructureMap*

*Subscription*

*Substance*

*SubstanceNucleicAcid*

*SubstancePolymer*

*SubstanceProtein*

*SubstanceReferenceInformation*

*SubstanceSourceMaterial*

*SubstanceSpecification*

*SupplyDelivery*

*SupplyRequest*

*Task*

*TerminologyCapabilities*

*TestReport*

*TestScript*

*ValueSet*

*VerificationResult*

*VisionPrescription*

**id (optional)**

The logical id of the resource, as used in the URL for the resource. Once assigned, this value never changes.

**meta (optional)**

[*Meta*](#_Meta)

**implicitRules (optional)**

A reference to a set of rules that were followed when the resource was constructed, and which must be understood when processing the content. Often, this is a reference to an implementation guide that defines the special rules along with other profiles etc.

**language (optional)**

The base language in which the resource is written.

## SampledData

**id (optional)**

Unique id for the element within a resource (for internal references). This may be any string value that does not contain spaces.

**extension (optional)**

[*array[Extension]*](#_Extension)

*example: [{"url":"http://example.com","valueString":"text value"}]*

**origin**

[*SimpleQuantity*](#_SimpleQuantity)

**period**

*BigDecimal* The length of time between sampling times, measured in milliseconds.

**factor (optional)**

*BigDecimal* A correction factor that is applied to the sampled data points before they are added to the origin.

**lowerLimit (optional)**

*BigDecimal* The lower limit of detection of the measured points. This is needed if any of the data points have the value “L” (lower than detection limit).

**upperLimit (optional)**

*BigDecimal* The upper limit of detection of the measured points. This is needed if any of the data points have the value “U” (higher than detection limit).

**dimensions**

*Integer* The number of sample points at each time point. If this value is greater than one, then the dimensions will be interlaced all the sample points for a point in time will be recorded at once. format: int32

**data (optional)**

A series of data points which are decimal values separated by a single space (character u20). The special values “E” (error), “L” (below detection limit) and “U” (above detection limit) can also be used in place of a decimal value.

## Signature

**id (optional)**

Unique id for the element within a resource (for internal references). This may be any string value that does not contain spaces.

**extension (optional)**

[*array[Extension]*](#_Extension)

*example: [{"url":"http://example.com","valueString":"text value"}]*

**type**

[*array[Coding]*](#_Coding)

**when**

When the digital signature was signed.

**who**

[*Reference*](#_Reference)

**onBehalfOf (optional)**

[*Reference*](#_Reference)

**targetFormat (optional)**

A mime type that indicates the technical format of the target resources signed by the signature.

**sigFormat (optional)**

A mime type that indicates the technical format of the signature. Important mime types are application/signature+xml for X ML DigSig, application/jose for JWS, and image/\* for a graphical image of a signature, etc.

**data (optional)**

The base64 encoding of the Signature content. When signature is not recorded electronically this element would be empty.

## SimpleQuantity

**value (optional)**

*BigDecimal* The value of the measured amount. The value includes an implicit precision in the presentation of the value.

**comparator (optional)**

How the value should be understood and represented whether the actual value is greater or less than the stated value due to measurement issues; e.g. if the comparator is “&lt;” , then the real value is &lt; stated value.

**Enum:**

*<*

*<=*

*>=*

*>*

**unit (optional)**

A human readable form of the unit.

**system (optional)**

The identification of the system that provides the coded form of the unit.

**code (optional)**

A computer processable form of the unit in some unit representation system.

## Timing

**modifierExtension (optional)**

[*array[Extension]*](#_Extension)

**event (optional)**

*array[]*

**repeat (optional)**

[*Timing\_Repeat*](#_Timing_Repeat)

**code (optional)**

[*CodeableConcept*](#_CodeableConcept)

## Timing\_Repeat

**modifierExtension (optional)**

[*array[Extension]*](#_Extension)

**boundsDuration (optional)**

[*Duration*](#_Duration)

**boundsRange (optional)**

[*Range*](#_Range)

**boundsPeriod (optional)**

[*Period*](#_Period)

**count (optional)**

*Integer* A total count of the desired number of repetitions across the duration of the entire timing specification. If countMax is present, this element indicates the lower bound of the allowed range of count values. format: int32

**countMax (optional)**

*Integer* If present, indicates that the count is a range so to perform the action between [count] and [countMax] times. format: int32

**duration (optional)**

*BigDecimal* How long this thing happens for when it happens. If durationMax is present, this element indicates the lower bound of the allowed range of the duration.

**durationMax (optional)**

*BigDecimal* If present, indicates that the duration is a range so to perform the action between [duration] and [durationMax] time length.

**durationUnit (optional)**

The units of time for the duration, in UCUM units.

**Enum:**

*s*

*min*

*h*

*d*

*wk*

*mo*

*a*

**frequency (optional)**

*Integer*  The number of times to repeat the action within the specified period. If frequencyMax is present, this element indicates the lower bound of the allowed range of the frequency. format: int32

**frequencyMax (optional)**

*Integer*  If present, indicates that the frequency is a range so to repeat between [frequency] and [frequencyMax] times within the period or period range. format: int32

**period (optional)**

*BigDecimal* Indicates the duration of time over which repetitions are to occur; e.g. to express “3 times per day”, 3 would be the frequency and “1 day” would be the period. If periodMax is present, this element indicates the lower bound of the allowed range of the period length.

**periodMax (optional)**

*BigDecimal* If present, indicates that the period is a range from [period] to [periodMax], allowing expressing concepts such as “do this once every 3 5 days.

**periodUnit (optional)**

The units of time for the period in UCUM units.

**Enum:**

*s*

*min*

*h*

*d*

*wk*

*mo*

*a*

**dayOfWeek (optional)**

*array[]*

**Enum:**

**timeOfDay (optional)**

*array[]*

**when (optional)**

*array[]*

**Enum:**

**offset (optional)**

*Integer* The number of minutes from the event. If the event code does not indicate whether the minutes is before or after the event, then the offset is assumed to be after the event. format: int32

## UsageContext

**id (optional)**

Unique id for the element within a resource (for internal references). This may be any string value that does not contain spaces.

**extension (optional)**

[*array[Extension]*](#_Extension)

*example: [{"url":"http://example.com","valueString":"text value"}]*

**code**

[*Coding*](#_Coding)

**valueCodeableConcept (optional)**

[*CodeableConcept*](#_CodeableConcept)

**valueQuantity (optional)**

[*Quantity*](#_Quantity)

**valueRange (optional)**

[*Range*](#_Range)

**valueReference (optional)**

[*Reference*](#_Reference)