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## **Home**

This is the Implementation Guide for the [HL7® FHIR©](http://build.fhir.org/ig/HL7NZ/hpi/branches/master/hl7.org/fhir) interface to the New Zealand HPI - Health Provider Index. It brings together all the artifacts that are necessary to understand and use the FHIR API. O

The HPI ([Health Provider Index](https://www.health.govt.nz/our-work/health-identity/health-provider-index)) is a national registry service that holds information about the providers of healthcare in New Zealand, including the organizations where they work and the facilities that they work from. The key entities that are supported are:

The Person - described by the FHIR [Practitioner](http://hl7.org/fhir/practitioner.html) resource. Facilities where healthcare is provided from. These are represented by [Location](http://hl7.org/fhir/location.html) resources. Organizations such as DHB’s, PHO,s and primary care organizations ([Organization](http://hl7.org/fhir/organization.html)). In addition, there is support for registering where a Practitioner works, and in what role - the [PractitionerRole](http://hl7.org/fhir/practitionerrole.html) resource.

The HPI serves 2 primary purposes:

* A unique identifier for each individual or entity
* An authoritative source for the key information about that entity.

Description of tabs

* Business Overview: Business context of the HPI
* **General notes:** Common notes about how the API and contents are organized
* **API:** The specific API features supported by the HPI.
* **Profiles:** A list of the profiles that are defined by the guide..
* **Extensions:** A list of the extensions defined by the guide, and extensions that are defined elsewhere.
* **Identifiers:** The Identifier systems currently defined.
* **Terminology:** The ValueSets and CodeSystems defined by the guide.
* **FAQ:** Frequently Asked Questions
* **Artifact Index:** A page with all artifacts (Logical Models, Profiles, Extensions, Terminology and others) defined in this guide. This page largely duplicates information in the Profiles and Extensions tab.
* **Table of Contents** All pages in the guide
* **Support** Links to the FHIR spec and downloads. Also has links to the IG Companion (under review…)

Logical Models

[Logical models](http://build.fhir.org/ig/HL7NZ/hpi/branches/master/artifacts.html#structures-logical-models) are part of the design process, and represent the information in the profiles in an easy to understand format. For example extensions are displayed as simple elements, and there is less FHIR-specific detail such as slicing and fixed elements.

It is intended as a way for people who are not familiar with FHIR to understand profile content, and does **not** represent the ‘on-the-wire’ format delivered through the API. They do, however, have links to terminology resources.

Security

Not addressed by this guide

# Page <http://build.fhir.org/ig/HL7NZ/hpi/branches/master/general.html> (General Notes)

## **General**

I think this page is all fine

# Page <http://build.fhir.org/ig/HL7NZ/hpi/branches/master/capabilityStatement.html> (API)

## **Capability Statement**

**Contents:**

* [Practitioner](http://build.fhir.org/ig/HL7NZ/hpi/branches/master/capabilityStatement.html#Practitioner)
* [PractitionerRole](http://build.fhir.org/ig/HL7NZ/hpi/branches/master/capabilityStatement.html#PractitionerRole)
* [Organization](http://build.fhir.org/ig/HL7NZ/hpi/branches/master/capabilityStatement.html#Organization)
* [Location](http://build.fhir.org/ig/HL7NZ/hpi/branches/master/capabilityStatement.html#Location)

API summary (generated from the capabilityStatement resource)

This is the computable resource that describes the RESTful endpoint

### Practitioner

Practitioner query

|  |  |
| --- | --- |
| **Code** | **Documentation** |
| read | Used to retrieve a Practitioner resource by Id. |
| search-type | Queries against the resource type. Will return a Bundle (even if there are no matching resources). |
| create | undefined |
| update | undefined |

**Interactions**

**Search Parameters**

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Documentation** |
| identifier | [token](http://hl7.org/fhir/search.html#token) |  |
| name | [string](http://hl7.org/fhir/search.html#string) | Not case sensitive |
| family | [string](http://hl7.org/fhir/search.html#string) |  |
| given | [string](http://hl7.org/fhir/search.html#string) |  |
| gender | [token](http://hl7.org/fhir/search.html#token) |  |
| birthdate | [date](http://hl7.org/fhir/search.html#date) | Definition: http://hl7.org.nz/fhir/hpi/SearchParameter/HpiPractitionerBirthdate  Supports a search on practitioner birthdate |
| ra-identifier | [token](http://hl7.org/fhir/search.html#token) | Definition: http://hl7.org.nz/fhir/hpi/SearchParameter/HpiPractitionerRaIdentifier  This is a custom search. It queries on the identifier suplied by the Registartion Authority (Practitioner.qualification.identifier) |

### PractitionerRole

PractitionerRole query

**Interactions**

|  |  |
| --- | --- |
| **Code** | **Documentation** |
| read | Used to retrieve a PractitionerRole resource by Id. |
| search-type | Queries against the resource type. Will return a Bundle (even if there are no matching resources). |
| create | Create a new PractitionerRole |
| update | Update an existing PractitionerRole |

**Search Parameters**

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Documentation** |
| practitioner | [reference](http://hl7.org/fhir/search.html#reference) | Given a Practitoner id, returns the PractitonerRoles associated with that id |
| organization | [reference](http://hl7.org/fhir/search.html#reference) | Given a Organization id, returns the PractitonerRoles associated with that id |
| location | [token](http://hl7.org/fhir/search.html#token) | Given a Location id, returns the PractitonerRoles associated with that id |
| identifier | [token](http://hl7.org/fhir/search.html#token) | Returns PractitionerRoles based on identifier |
| role | [token](http://hl7.org/fhir/search.html#token) | Returns PractitionerRoles based on role |
| active | [token](http://hl7.org/fhir/search.html#token) | To enable exclusion of inactive PractitionerRoles |

**Search includes**

|  |
| --- |
| **Name** |
| practitioner |
| organization |
| location |

These are the \_include parameters that are supported on searches

### Organization

Organization query

**Interactions**

|  |  |
| --- | --- |
| **Code** | **Documentation** |
| read | Used to retrieve an Organization resource by Id. |
| search-type | Queries against the resource type. Will return a Bundle (even if there are no matching resources). |

**Search Parameters**

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Documentation** |
| active | [token](http://hl7.org/fhir/search.html#token) | To enable exclusion of inactive organizations |
| name | [string](http://hl7.org/fhir/search.html#string) | Will only return active organizations |
| identifier | [token](http://hl7.org/fhir/search.html#token) | The HPI Organization id or the New Zealand Business Number. |
| partOf | [reference](http://hl7.org/fhir/search.html#reference) | Locates Organizations that are 'part of' another. |

### Location

Location query

**Interactions**

|  |  |
| --- | --- |
| **Code** | **Documentation** |
| search-type | Queries against the resource type. Will return a Bundle (even if there are no matching resources). |

**Search Parameters**

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Documentation** |
| identifier | [token](http://hl7.org/fhir/search.html#token) | Retrieve the Location with the identifier |
| name | [string](http://hl7.org/fhir/search.html#string) | Retrieve the Locations with the matching name or alias |
| type | [token](http://hl7.org/fhir/search.html#token) | Retrieve Locations of the given type |
| address | [string](http://hl7.org/fhir/search.html#string) | Retrieve the Locations by address |
| organization | [reference](http://hl7.org/fhir/search.html#reference) | Locations with the given ManagingOrganization |
| dhb | [token](http://hl7.org/fhir/search.html#token) | Definition: http://hl7.fhir.org/fhir/SearchParameter/dhb  Locations that are in a DHBs catchment area. This is a custom search |
| status | [token](http://hl7.org/fhir/search.html#token) | The current status of the Location |

# <http://build.fhir.org/ig/HL7NZ/hpi/branches/master/profiles.html>

## **Profiles**

|  |  |  |
| --- | --- | --- |
| **Id** | **Url** | **Description** |
| [HpiLocation](http://build.fhir.org/ig/HL7NZ/hpi/branches/master/StructureDefinition-HpiLocation.html) | http://hl7.org.nz/fhir/ig/hpi/StructureDefinition/HpiLocation | A physical location from which health goods and/or services are provided. They are also referred to as an HPI Facility. |
| [HpiOrganization](http://build.fhir.org/ig/HL7NZ/hpi/branches/master/StructureDefinition-HpiOrganization.html) | http://hl7.org.nz/fhir/ig/hpi/StructureDefinition/HpiOrganization | An entity that provides services of interest to, or is involved in, the business of health care service provision. |
| [HpiPractitioner](http://build.fhir.org/ig/HL7NZ/hpi/branches/master/StructureDefinition-HpiPractitioner.html) | http://hl7.org.nz/fhir/ig/hpi/StructureDefinition/HpiPractitioner | The practitioner exposed by the HPI. This is the person who delivers healthcare or healthcare related services |
| [HpiPractitionerRole](http://build.fhir.org/ig/HL7NZ/hpi/branches/master/StructureDefinition-HpiPractitionerRole.html) | http://hl7.org.nz/fhir/ig/hpi/StructureDefinition/HpiPractitionerRole | The practitioner role exposed by the HPI. Used to connect Practitioners with Organizations and Locations, indicating the role they have. A single Practitioner can have roles with multiple organizations. |
| [NzAddress](http://build.fhir.org/ig/HL7NZ/hpi/branches/master/StructureDefinition-NzAddress.html) | http://hl7.org.nz/fhir/StructureDefinition/NzAddress | Adds building name, suburb, domicile code and geocode to the Address datatype |