# Clinical Decision Support

## Search Parameters

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| DetectedIssue-author | **author (author):** The provider or device that identified the issue |
| DetectedIssue-category | **category (category):** E.g. Drug-drug, duplicate therapy, etc. |
| RiskAssessment-condition | **condition (condition):** Condition assessed |
| RiskAssessment-date | **date (date):** When was assessment made? |
| DetectedIssue-date | **date (date):** When identified |
| DeviceUseRequest-device | **device (device):** Device requested |
| DeviceUseStatement-device | **device (device):** Search by device |
| RiskAssessment-encounter | **encounter (encounter):** Where was assessment performed? |
| RiskAssessment-identifier | **identifier (identifier):** Unique identifier for the assessment |
| DetectedIssue-identifier | **identifier (identifier):** Unique id for the detected issue |
| DetectedIssue-implicated | **implicated (implicated):** Problem resource |
| RiskAssessment-method | **method (method):** Evaluation mechanism |
| DeviceUseRequest-patient | **patient (patient):** Search by subject - a patient |
| RiskAssessment-patient | **patient (patient):** Who/what does assessment apply to? |
| DetectedIssue-patient | **patient (patient):** Associated patient |
| DeviceUseStatement-patient | **patient (patient):** Search by subject - a patient |
| RiskAssessment-performer | **performer (performer):** Who did assessment? |
| DeviceUseRequest-subject | **subject (subject):** Search by subject |
| RiskAssessment-subject | **subject (subject):** Who/what does assessment apply to? |
| DeviceUseStatement-subject | **subject (subject):** Search by subject |

# FHIR Infrastructure

## Search Parameters

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| Resource-content | **\_content (\_content):** Search on the entire content of the resource |
| Resource-id | **\_id (\_id):** Logical id of this artifact |
| Resource-lastUpdated | **\_lastUpdated (\_last Updated):** When the resource version last changed |
| Resource-profile | **\_profile (\_profile):** Profiles this resource claims to conform to |
| Resource-query | **\_query (\_query):** A custom search profile that describes a specific defined query operation |
| Resource-security | **\_security (\_security):** Security Labels applied to this resource |
| Resource-tag | **\_tag (\_tag):** Tags applied |
| Resource-text | **\_text (\_text):** Search on the narrative of the resource |
| StructureDefinition-abstract | **abstract (abstract):** Whether the structure is abstract |
| Group-actual | **actual (actual):** Descriptive or actual |
| Basic-author | **author (author):** Who created |
| MessageHeader-author | **author (author):** The source of the decision |
| StructureDefinition-base | **base (base):** Structure that this set of constraints applies to |
| OperationDefinition-base | **base (base):** Marks this as a profile of the base |
| SearchParameter-base | **base (base):** The resource type this search parameter applies to |
| StructureDefinition-base-path | **base-path (base-path):** Path that identifies the base element |
| Group-characteristic | **characteristic (characteristic):** Kind of characteristic |
| Group-characteristic-value | **characteristic-value (characteristic-value):** A composite of both characteristic and value |
| StructureDefinition-code | **code (code):** A code for the profile |
| List-code | **code (code):** What the purpose of this list is |
| OperationDefinition-code | **code (code):** Name used to invoke the operation |
| Basic-code | **code (code):** Kind of Resource |
| Group-code | **code (code):** The kind of resources contained |
| SearchParameter-code | **code (code):** Code used in URL |
| MessageHeader-code | **code (code):** ok | transient-error | fatal-error |
| Bundle-composition | **composition (composition):** The first resource in the bundle, if the bundle type is "document" - this is a composition, and this parameter provides access to searches its contents |
| Subscription-contact | **contact (contact):** Contact details for source (e.g. troubleshooting) |
| NamingSystem-contact | **contact (contact):** Name of a individual to contact |
| Binary-contenttype | **contenttype (contenttype):** MimeType of the binary content |
| StructureDefinition-context | **context (context):** A use context assigned to the structure |
| ImplementationGuide-context | **context (context):** A use context assigned to the structure |
| NamingSystem-context | **context (context):** Content intends to support these contexts |
| StructureDefinition-context-type | **context-type (context-type):** resource | datatype | mapping | extension |
| Media-created | **created (created):** Date attachment was first created |
| Basic-created | **created (created):** When created |
| Subscription-criteria | **criteria (criteria):** Rule for server push criteria |
| MessageHeader-data | **data (data):** The actual content of the message |
| StructureDefinition-date | **date (date):** The profile publication date |
| List-date | **date (date):** When the list was prepared |
| OperationDefinition-date | **date (date):** Date for this version of the operation definition |
| Conformance-date | **date (date):** The conformance statement publication date |
| ImplementationGuide-date | **date (date):** The implementation guide publication date |
| NamingSystem-date | **date (date):** Publication Date(/time) |
| ImplementationGuide-dependency | **dependency (dependency):** Where to find dependency |
| StructureDefinition-description | **description (description):** Text search in the description of the profile |
| Conformance-description | **description (description):** Text search in the description of the conformance statement |
| TestScript-description | **description (description):** TestScript description |
| ImplementationGuide-description | **description (description):** Text search in the description of the implementation guide |
| SearchParameter-description | **description (description):** Documentation for search parameter |
| MessageHeader-destination | **destination (destination):** Name of system |
| MessageHeader-destination-uri | **destination-uri (destination-uri):** Actual destination address or id |
| StructureDefinition-display | **display (display):** Use this name when displaying the value |
| List-empty-reason | **empty-reason (empty-reason):** Why list is empty |
| List-encounter | **encounter (encounter):** Context in which list created |
| MessageHeader-enterer | **enterer (enterer):** The source of the data entry |
| Conformance-event | **event (event):** Event code in a conformance statement |
| MessageHeader-event | **event (event):** Code for the event this message represents |
| Group-exclude | **exclude (exclude):** Group includes or excludes |
| StructureDefinition-experimental | **experimental (experimental):** If for testing purposes, not real usage |
| ImplementationGuide-experimental | **experimental (experimental):** If for testing purposes, not real usage |
| StructureDefinition-ext-context | **ext-context (ext-context):** Where the extension can be used in instances |
| Conformance-fhirversion | **fhirversion (fhirversion):** The version of FHIR |
| Conformance-format | **format (format):** formats supported (xml | json | mime type) |
| NamingSystem-id-type | **id-type (id-type):** oid | uuid | uri | other |
| StructureDefinition-identifier | **identifier (identifier):** The identifier of the profile |
| Media-identifier | **identifier (identifier):** Identifier(s) for the image |
| TestScript-identifier | **identifier (identifier):** TestScript.identifier |
| Basic-identifier | **identifier (identifier):** Business identifier |
| Group-identifier | **identifier (identifier):** Unique id |
| OperationDefinition-instance | **instance (instance):** Invoke on an instance? |
| List-item | **item (item):** Actual entry |
| StructureDefinition-kind | **kind (kind):** datatype | resource | logical |
| OperationDefinition-kind | **kind (kind):** operation | query |
| NamingSystem-kind | **kind (kind):** codesystem | identifier | root |
| Group-member | **member (member):** Reference to the group member |
| Bundle-message | **message (message):** The first resource in the bundle, if the bundle type is "message" - this is a message header, and this parameter provides access to search its contents |
| Conformance-mode | **mode (mode):** Mode - restful (server/client) or messaging (sender/receiver) |
| StructureDefinition-name | **name (name):** Name of the profile |
| OperationDefinition-name | **name (name):** Informal name for this operation |
| Conformance-name | **name (name):** Name of the conformance statement |
| TestScript-name | **name (name):** TestScript.name |
| ImplementationGuide-name | **name (name):** Name of the implementation guide |
| SearchParameter-name | **name (name):** Informal name for this search parameter |
| NamingSystem-name | **name (name):** Human-readable label |
| List-notes | **notes (notes):** Comments about the list |
| Media-operator | **operator (operator):** The person who generated the image |
| StructureDefinition-path | **path (path):** A path that is constrained in the profile |
| List-patient | **patient (patient):** If all resources have the same subject |
| Media-patient | **patient (patient):** Who/What this Media is a record of |
| Basic-patient | **patient (patient):** Identifies the focus of this resource |
| Subscription-payload | **payload (payload):** Mimetype to send, or blank for no payload |
| NamingSystem-period | **period (period):** When is identifier valid? |
| OperationDefinition-profile | **profile (profile):** Profile on the type |
| Conformance-profile | **profile (profile):** A profile id invoked in a conformance statement |
| StructureDefinition-publisher | **publisher (publisher):** Name of the publisher of the profile |
| OperationDefinition-publisher | **publisher (publisher):** Name of the publisher (Organization or individual) |
| Conformance-publisher | **publisher (publisher):** Name of the publisher of the conformance statement |
| ImplementationGuide-publisher | **publisher (publisher):** Name of the publisher of the implementation guide |
| NamingSystem-publisher | **publisher (publisher):** Name of the publisher (Organization or individual) |
| MessageHeader-receiver | **receiver (receiver):** Intended "real-world" recipient for the data |
| NamingSystem-replaced-by | **replaced-by (replaced-by):** Use this instead |
| Conformance-resource | **resource (resource):** Name of a resource mentioned in a conformance statement |
| MessageHeader-response-id | **response-id (response-id):** Id of original message |
| NamingSystem-responsible | **responsible (responsible):** Who maintains system namespace? |
| MessageHeader-responsible | **responsible (responsible):** Final responsibility for event |
| Conformance-security | **security (security):** OAuth | SMART-on-FHIR | NTLM | Basic | Kerberos | Certificates |
| Conformance-software | **software (software):** Part of a the name of a software application |
| List-source | **source (source):** Who and/or what defined the list contents (aka Author) |
| MessageHeader-source | **source (source):** Name of system |
| MessageHeader-source-uri | **source-uri (source-uri):** Actual message source address or id |
| StructureDefinition-status | **status (status):** The current status of the profile |
| List-status | **status (status):** current | retired | entered-in-error |
| Subscription-status | **status (status):** requested | active | error | off |
| OperationDefinition-status | **status (status):** draft | active | retired |
| Conformance-status | **status (status):** The current status of the conformance statement |
| ImplementationGuide-status | **status (status):** The current status of the implementation guide |
| NamingSystem-status | **status (status):** draft | active | retired |
| List-subject | **subject (subject):** If all resources have the same subject |
| Media-subject | **subject (subject):** Who/What this Media is a record of |
| Basic-subject | **subject (subject):** Identifies the focus of this resource |
| Media-subtype | **subtype (subtype):** The type of acquisition equipment/process |
| Conformance-supported-profile | **supported-profile (supported-profile):** Profiles for use cases supported |
| OperationDefinition-system | **system (system):** Invoke at the system level? |
| Subscription-tag | **tag (tag):** A tag to add to matching resources |
| SearchParameter-target | **target (target):** Types of resource (if a resource reference) |
| MessageHeader-target | **target (target):** Particular delivery destination within the destination |
| NamingSystem-telecom | **telecom (telecom):** Contact details for individual or publisher |
| TestScript-testscript-capability | **testscript-capability (testscript-capability):** TestScript required and validated capability |
| TestScript-testscript-setup-capability | **testscript-setup-capability (testscript-setup-capability):** TestScript setup required and validated capability |
| TestScript-testscript-test-capability | **testscript-test-capability (testscript-test-capability):** TestScript test required and validated capability |
| MessageHeader-timestamp | **timestamp (timestamp):** Time that the message was sent |
| List-title | **title (title):** Descriptive name for the list |
| StructureDefinition-type | **type (type):** Any datatype or resource, including abstract ones |
| Subscription-type | **type (type):** rest-hook | websocket | email | sms | message |
| OperationDefinition-type | **type (type):** Invoke at resource level for these type |
| Media-type | **type (type):** photo | video | audio |
| Group-type | **type (type):** The type of resources the group contains |
| SearchParameter-type | **type (type):** number | date | string | token | reference | composite | quantity | uri |
| Bundle-type | **type (type):** document | message | transaction | transaction-response | batch | batch-response | history | searchset | collection |
| NamingSystem-type | **type (type):** e.g. driver, provider, patient, bank etc |
| StructureDefinition-url | **url (url):** Literal URL used to reference this StructureDefinition |
| Subscription-url | **url (url):** Where the channel points to |
| OperationDefinition-url | **url (url):** Logical url to reference this operation definition |
| Conformance-url | **url (url):** The uri that identifies the conformance statement |
| TestScript-url | **url (url):** TestScript url |
| ImplementationGuide-url | **url (url):** Literal URL used to reference this Implementation Guide |
| SearchParameter-url | **url (url):** Literal URL used to reference this search parameter |
| Group-value | **value (value):** Value held by characteristic |
| NamingSystem-value | **value (value):** The unique identifier |
| StructureDefinition-valueset | **valueset (valueset):** A vocabulary binding reference |
| StructureDefinition-version | **version (version):** The version identifier of the profile |
| OperationDefinition-version | **version (version):** Logical id for this version of the operation definition |
| Conformance-version | **version (version):** The version identifier of the conformance statement |
| ImplementationGuide-version | **version (version):** The version identifier of the implementation guide |
| Media-view | **view (view):** Imaging view e.g Lateral or Antero-posterior |

# Financial Management

## Search Parameters

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| --- | --- |
| ProcessRequest-action | **action (action):** The action requested by this resource |
| Contract-actor | **actor (actor):** Contract Actor Type |
| VisionPrescription-datewritten | **datewritten (datewritten):** Return prescriptions written on this date |
| Coverage-dependent | **dependent (dependent):** Dependent number |
| VisionPrescription-encounter | **encounter (encounter):** Return prescriptions with this encounter identity |
| Coverage-group | **group (group):** Group identifier |
| ExplanationOfBenefit-identifier | **identifier (identifier):** The business identifier of the Explanation of Benefit |
| EnrollmentRequest-identifier | **identifier (identifier):** The business identifier of the Enrollment |
| VisionPrescription-identifier | **identifier (identifier):** Return prescriptions with this external identity |
| EligibilityResponse-identifier | **identifier (identifier):** The business identifier of the Explanation of Benefit |
| EnrollmentResponse-identifier | **identifier (identifier):** The business identifier of the Explanation of Benefit |
| Contract-identifier | **identifier (identifier):** The identity of the contract |
| PaymentNotice-identifier | **identifier (identifier):** The business identifier of the Eligibility |
| ClaimResponse-identifier | **identifier (identifier):** The identity of the insurer |
| EligibilityRequest-identifier | **identifier (identifier):** The business identifier of the Eligibility |
| ProcessRequest-identifier | **identifier (identifier):** The business identifier of the ProcessRequest |
| PaymentReconciliation-identifier | **identifier (identifier):** The business identifier of the Explanation of Benefit |
| Coverage-identifier | **identifier (identifier):** The primary identifier of the insured |
| ProcessResponse-identifier | **identifier (identifier):** The business identifier of the Explanation of Benefit |
| Claim-identifier | **identifier (identifier):** The primary identifier of the financial resource |
| Coverage-issuer | **issuer (issuer):** The identity of the insurer |
| ProcessRequest-organization | **organization (organization):** The organization who generated this request |
| ProcessResponse-organization | **organization (organization):** The organization who generated this resource |
| EnrollmentRequest-patient | **patient (patient):** The party to be enrolled |
| VisionPrescription-patient | **patient (patient):** The identity of a patient to list dispenses for |
| Contract-patient | **patient (patient):** The identity of the target of the contract (if a patient) |
| Claim-patient | **patient (patient):** Patient |
| Coverage-plan | **plan (plan):** A plan or policy identifier |
| VisionPrescription-prescriber | **prescriber (prescriber):** Who authorizes the Vision product |
| Claim-priority | **priority (priority):** Processing priority requested |
| ProcessRequest-provider | **provider (provider):** The provider who renerated this request |
| Claim-provider | **provider (provider):** Provider responsible for the claim |
| ProcessResponse-request | **request (request):** The reference to the claim |
| ProcessResponse-requestorganization | **requestorganization (requestorganization):** The Organization who is responsible the request transaction |
| ProcessResponse-requestprovider | **requestprovider (requestprovider):** The Provider who is responsible the request transaction |
| Coverage-sequence | **sequence (sequence):** Sequence number |
| Contract-signer | **signer (signer):** Contract Signatory Party |
| EnrollmentRequest-subject | **subject (subject):** The party to be enrolled |
| Contract-subject | **subject (subject):** The identity of the target of the contract |
| Coverage-subplan | **subplan (subplan):** Sub-plan identifier |
| Coverage-type | **type (type):** The kind of coverage |
| Claim-use | **use (use):** The kind of financial resource |

# Health Care Devices

## Search Parameters

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| DeviceMetric-category | **category (category):** The category of the metric |
| DeviceMetric-identifier | **identifier (identifier):** The identifier of the metric |
| DeviceMetric-parent | **parent (parent):** The parent DeviceMetric resource |
| DeviceComponent-parent | **parent (parent):** The parent DeviceComponent resource |
| DeviceMetric-source | **source (source):** The device resource |
| DeviceComponent-source | **source (source):** The device source |
| DeviceMetric-type | **type (type):** The component type |
| DeviceComponent-type | **type (type):** The device component type |

# Imaging Integration

## Search Parameters

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| --- | --- |
| ImagingStudy-accession | **accession (accession):** The accession identifier for the study |
| ImagingObjectSelection-author | **author (author):** Author of key DICOM object selection |
| ImagingObjectSelection-authoring-time | **authoring-time (authoring-time):** Time of key DICOM object selection authoring |
| ImagingStudy-bodysite | **bodysite (bodysite):** The body site studied |
| ImagingStudy-dicom-class | **dicom-class (dicom-class):** The type of the instance |
| ImagingObjectSelection-identifier | **identifier (identifier):** UID of key DICOM object selection |
| ImagingStudy-modality | **modality (modality):** The modality of the series |
| ImagingStudy-order | **order (order):** The order for the image |
| ImagingStudy-patient | **patient (patient):** Who the study is about |
| ImagingObjectSelection-patient | **patient (patient):** Subject of key DICOM object selection |
| ImagingObjectSelection-selected-study | **selected-study (selected-study):** Study selected in key DICOM object selection |
| ImagingStudy-series | **series (series):** The identifier of the series of images |
| ImagingStudy-started | **started (started):** When the study was started |
| ImagingStudy-study | **study (study):** The study identifier for the image |
| ImagingObjectSelection-title | **title (title):** Title of key DICOM object selection |
| ImagingStudy-uid | **uid (uid):** The instance unique identifier |

# Orders and Observations

## Search Parameters

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| --- | --- |
| Specimen-accession | **accession (accession):** The accession number associated with the specimen |
| DiagnosticOrder-actor | **actor (actor):** Who recorded or did this |
| NutritionOrder-additive | **additive (additive):** Type of module component to add to the feeding |
| Specimen-bodysite | **bodysite (bodysite):** The code for the body site from where the specimen originated |
| DiagnosticOrder-bodysite | **bodysite (bodysite):** Location of requested test (if applicable) |
| Observation-category | **category (category):** The classification of the type of observation |
| DiagnosticReport-category | **category (category):** Which diagnostic discipline/department created the report |
| Substance-category | **category (category):** The category of the substance |
| Observation-code | **code (code):** The code of the observation type |
| DiagnosticReport-code | **code (code):** The code for the report as a whole, as opposed to codes for the atomic results, which are the names on the observation resource referred to from the result |
| DataElement-code | **code (code):** A code for the data element (server may choose to do subsumption) |
| Substance-code | **code (code):** The code of the substance |
| DiagnosticOrder-code | **code (code):** Code to indicate the item (test or panel) being ordered |
| OrderResponse-code | **code (code):** pending | review | rejected | error | accepted | cancelled | replaced | aborted | completed |
| BodySite-code | **code (code):** Named anatomical location |
| Observation-code-value-x | **code-value-[x] (code-value-[x]):** Both code and one of the value parameters |
| Specimen-collected | **collected (collected):** The date the specimen was collected |
| Specimen-collector | **collector (collector):** Who collected the specimen |
| Observation-component-code | **component-code (component-code):** The component code of the observation type |
| Observation-component-code-value-x | **component-code-value-[x] (component-code-value-[x]):** Both component code and one of the component value parameters |
| Observation-component-data-absent-reason | **component-data-absent-reason (component-data-absent-reason):** The reason why the expected value in the element Observation.component.value[x] is missing. |
| Observation-component-value-concept | **component-value-concept (component-value-concept):** The value of the component observation, if the value is a CodeableConcept |
| Observation-component-value-quantity | **component-value-quantity (component-value-quantity):** The value of the component observation, if the value is a Quantity, or a SampledData (just search on the bounds of the values in sampled data) |
| Observation-component-value-string | **component-value-string (component-value-string):** The value of the component observation, if the value is a string, and also searches in CodeableConcept.text |
| Specimen-container | **container (container):** The kind of specimen container |
| Specimen-container-id | **container-id (container-id):** The unique identifier associated with the specimen container |
| Substance-container-identifier | **container-identifier (container-identifier):** Identifier of the package/container |
| DataElement-context | **context (context):** A use context assigned to the data element |
| Observation-data-absent-reason | **data-absent-reason (data-absent-reason):** The reason why the expected value in the element Observation.value[x] is missing. |
| Order-date | **date (date):** When the order was made |
| SupplyRequest-date | **date (date):** When the request was made |
| Observation-date | **date (date):** Obtained date/time. If the obtained element is a period, a date that falls in the period |
| DiagnosticReport-date | **date (date):** The clinically relevant time of the report |
| DataElement-date | **date (date):** The data element publication date |
| OrderResponse-date | **date (date):** When the response was made |
| NutritionOrder-datetime | **datetime (datetime):** Return nutrition orders requested on this date |
| DataElement-description | **description (description):** Text search in the description of the data element. This corresponds to the definition of the first DataElement.element. |
| Order-detail | **detail (detail):** What action is being ordered |
| Observation-device | **device (device):** The Device that generated the observation data. |
| DiagnosticReport-diagnosis | **diagnosis (diagnosis):** A coded diagnosis on the report |
| Observation-encounter | **encounter (encounter):** Healthcare event related to the observation |
| DiagnosticReport-encounter | **encounter (encounter):** The Encounter when the order was made |
| NutritionOrder-encounter | **encounter (encounter):** Return nutrition orders with this encounter identity |
| DiagnosticOrder-encounter | **encounter (encounter):** The encounter that this diagnostic order is associated with |
| DiagnosticOrder-event-date | **event-date (event-date):** The date at which the event happened |
| DiagnosticOrder-event-status | **event-status (event-status):** proposed | draft | planned | requested | received | accepted | in-progress | review | completed | cancelled | suspended | rejected | failed |
| DiagnosticOrder-event-status-date | **event-status-date (event-status-date):** A combination of past-status and date |
| Substance-expiry | **expiry (expiry):** Expiry date of package or container of substance |
| NutritionOrder-formula | **formula (formula):** Type of enteral or infant formula |
| OrderResponse-fulfillment | **fulfillment (fulfillment):** Details of the outcome of performing the order |
| Specimen-identifier | **identifier (identifier):** The unique identifier associated with the specimen |
| Order-identifier | **identifier (identifier):** Instance id fromsource, target, and/or others |
| Device-identifier | **identifier (identifier):** Instance id from manufacturer, owner, and others |
| SupplyRequest-identifier | **identifier (identifier):** Unique identifier |
| Observation-identifier | **identifier (identifier):** The unique Id for a particular observation |
| DiagnosticReport-identifier | **identifier (identifier):** An identifier for the report |
| DataElement-identifier | **identifier (identifier):** The identifier of the data element |
| NutritionOrder-identifier | **identifier (identifier):** Return nutrition orders with this external identity |
| Substance-identifier | **identifier (identifier):** Unique identifier for the substance |
| DiagnosticOrder-identifier | **identifier (identifier):** Identifiers assigned to this order |
| OrderResponse-identifier | **identifier (identifier):** Identifiers assigned to this order by the orderer or by the receiver |
| SupplyDelivery-identifier | **identifier (identifier):** External identifier |
| BodySite-identifier | **identifier (identifier):** Identifier for this instance of the anatomical location |
| DiagnosticReport-image | **image (image):** A reference to the image source. |
| DiagnosticReport-issued | **issued (issued):** When the report was issued |
| DiagnosticOrder-item-date | **item-date (item-date):** The date at which the event happened |
| DiagnosticOrder-item-past-status | **item-past-status (item-past-status):** proposed | draft | planned | requested | received | accepted | in-progress | review | completed | cancelled | suspended | rejected | failed |
| DiagnosticOrder-item-status | **item-status (item-status):** proposed | draft | planned | requested | received | accepted | in-progress | review | completed | cancelled | suspended | rejected | failed |
| DiagnosticOrder-item-status-date | **item-status-date (item-status-date):** A combination of item-past-status and item-date |
| SupplyRequest-kind | **kind (kind):** The kind of supply (central, non-stock, etc) |
| Device-location | **location (location):** A location, where the resource is found |
| Device-manufacturer | **manufacturer (manufacturer):** The manufacturer of the device |
| Device-model | **model (model):** The model of the device |
| DataElement-name | **name (name):** Name of the data element |
| NutritionOrder-oraldiet | **oraldiet (oraldiet):** Type of diet that can be consumed orally (i.e., take via the mouth). |
| DiagnosticOrder-orderer | **orderer (orderer):** Who ordered the test |
| Device-organization | **organization (organization):** The organization responsible for the device |
| Specimen-parent | **parent (parent):** The parent of the specimen |
| Specimen-patient | **patient (patient):** The patient the specimen comes from |
| Order-patient | **patient (patient):** Patient this order is about |
| Device-patient | **patient (patient):** Patient information, if the resource is affixed to a person |
| SupplyRequest-patient | **patient (patient):** Patient for whom the item is supplied |
| Observation-patient | **patient (patient):** The subject that the observation is about (if patient) |
| DiagnosticReport-patient | **patient (patient):** The subject of the report if a patient |
| NutritionOrder-patient | **patient (patient):** The identity of the person who requires the diet, formula or nutritional supplement |
| DiagnosticOrder-patient | **patient (patient):** Who and/or what test is about |
| SupplyDelivery-patient | **patient (patient):** Patient for whom the item is supplied |
| BodySite-patient | **patient (patient):** Patient to whom bodysite belongs |
| Observation-performer | **performer (performer):** Who performed the observation |
| DiagnosticReport-performer | **performer (performer):** Who was the source of the report (organization) |
| NutritionOrder-provider | **provider (provider):** The identify of the provider who placed the nutrition order |
| DataElement-publisher | **publisher (publisher):** Name of the publisher of the data element |
| Substance-quantity | **quantity (quantity):** Amount of substance in the package |
| SupplyDelivery-receiver | **receiver (receiver):** Who collected the Supply |
| Observation-related | **related (related):** Related Observations - search on related-type and related-target together |
| Observation-related-target | **related-target (related-target):** Resource that is related to this one |
| Observation-related-type | **related-type (related-type):** has-member | derived-from | sequel-to | replaces | qualified-by | interfered-by |
| DiagnosticReport-request | **request (request):** Reference to the test or procedure request. |
| OrderResponse-request | **request (request):** The order that this is a response to |
| DiagnosticReport-result | **result (result):** Link to an atomic result (observation resource) |
| Order-source | **source (source):** Who initiated the order |
| SupplyRequest-source | **source (source):** Who initiated this order |
| Observation-specimen | **specimen (specimen):** Specimen used for this observation |
| DiagnosticReport-specimen | **specimen (specimen):** The specimen details |
| DiagnosticOrder-specimen | **specimen (specimen):** If the whole order relates to specific specimens |
| SupplyRequest-status | **status (status):** requested | completed | failed | cancelled |
| Observation-status | **status (status):** The status of the observation |
| DiagnosticReport-status | **status (status):** The status of the report |
| DataElement-status | **status (status):** The current status of the data element |
| NutritionOrder-status | **status (status):** Status of the nutrition order. |
| DiagnosticOrder-status | **status (status):** proposed | draft | planned | requested | received | accepted | in-progress | review | completed | cancelled | suspended | rejected | failed |
| SupplyDelivery-status | **status (status):** in-progress | completed | abandoned |
| DataElement-stringency | **stringency (stringency):** The stringency of the data element definition |
| Specimen-subject | **subject (subject):** The subject of the specimen |
| Order-subject | **subject (subject):** Patient this order is about |
| Observation-subject | **subject (subject):** The subject that the observation is about |
| DiagnosticReport-subject | **subject (subject):** The subject of the report |
| DiagnosticOrder-subject | **subject (subject):** Who and/or what test is about |
| Substance-substance | **substance (substance):** A component of the substance |
| NutritionOrder-supplement | **supplement (supplement):** Type of supplement product requested |
| SupplyRequest-supplier | **supplier (supplier):** Who is intended to fulfill the request |
| SupplyDelivery-supplier | **supplier (supplier):** Dispenser |
| Order-target | **target (target):** Who is intended to fulfill the order |
| Specimen-type | **type (type):** The specimen type |
| Device-type | **type (type):** The type of the device |
| Device-udi | **udi (udi):** FDA Mandated Unique Device Identifier |
| Device-url | **url (url):** Network address to contact device |
| DataElement-url | **url (url):** The official URL for the data element |
| Observation-value-concept | **value-concept (value-concept):** The value of the observation, if the value is a CodeableConcept |
| Observation-value-date | **value-date (value-date):** The value of the observation, if the value is a date or period of time |
| Observation-value-quantity | **value-quantity (value-quantity):** The value of the observation, if the value is a Quantity, or a SampledData (just search on the bounds of the values in sampled data) |
| Observation-value-string | **value-string (value-string):** The value of the observation, if the value is a string, and also searches in CodeableConcept.text |
| DataElement-version | **version (version):** The version identifier of the data element |
| Order-when | **when (when):** A formal schedule |
| Order-whencode | **when\_code (when\_code):** Code specifies when request should be done. The code may simply be a priority code |
| OrderResponse-who | **who (who):** Who made the response |

# Patient Administration

## Search Parameters

|  |  |
| --- | --- |
| Organization-active | **active (active):** Whether the organization's record is active |
| Patient-active | **active (active):** Whether the patient record is active |
| Appointment-actor | **actor (actor):** Any one of the individuals participating in the appointment |
| AppointmentResponse-actor | **actor (actor):** The Person, Location/HealthcareService or Device that this appointment response replies for |
| Schedule-actor | **actor (actor):** The individual(HealthcareService, Practitioner, Location, ...) to find a Schedule for |
| RelatedPerson-address | **address (address):** An address in any kind of address/part |
| Practitioner-address | **address (address):** An address in any kind of address/part |
| Person-address | **address (address):** An address in any kind of address/part |
| Organization-address | **address (address):** A (part of the) address of the Organization |
| Patient-address | **address (address):** An address in any kind of address/part of the patient |
| Location-address | **address (address):** A (part of the) address of the location |
| RelatedPerson-address-city | **address-city (address-city):** A city specified in an address |
| Practitioner-address-city | **address-city (address-city):** A city specified in an address |
| Person-address-city | **address-city (address-city):** A city specified in an address |
| Organization-address-city | **address-city (address-city):** A city specified in an address |
| Patient-address-city | **address-city (address-city):** A city specified in an address |
| Location-address-city | **address-city (address-city):** A city specified in an address |
| RelatedPerson-address-country | **address-country (address-country):** A country specified in an address |
| Practitioner-address-country | **address-country (address-country):** A country specified in an address |
| Person-address-country | **address-country (address-country):** A country specified in an address |
| Organization-address-country | **address-country (address-country):** A country specified in an address |
| Patient-address-country | **address-country (address-country):** A country specified in an address |
| Location-address-country | **address-country (address-country):** A country specified in an address |
| RelatedPerson-address-postalcode | **address-postalcode (address-postalcode):** A postalCode specified in an address |
| Practitioner-address-postalcode | **address-postalcode (address-postalcode):** A postalCode specified in an address |
| Person-address-postalcode | **address-postalcode (address-postalcode):** A postalCode specified in an address |
| Organization-address-postalcode | **address-postalcode (address-postalcode):** A postalCode specified in an address |
| Patient-address-postalcode | **address-postalcode (address-postalcode):** A postalCode specified in an address |
| Location-address-postalcode | **address-postalcode (address-postalcode):** A postalCode specified in an address |
| RelatedPerson-address-state | **address-state (address-state):** A state specified in an address |
| Practitioner-address-state | **address-state (address-state):** A state specified in an address |
| Person-address-state | **address-state (address-state):** A state specified in an address |
| Organization-address-state | **address-state (address-state):** A state specified in an address |
| Patient-address-state | **address-state (address-state):** A state specified in an address |
| Location-address-state | **address-state (address-state):** A state specified in an address |
| RelatedPerson-address-use | **address-use (address-use):** A use code specified in an address |
| Practitioner-address-use | **address-use (address-use):** A use code specified in an address |
| Person-address-use | **address-use (address-use):** A use code specified in an address |
| Organization-address-use | **address-use (address-use):** A use code specified in an address |
| Patient-address-use | **address-use (address-use):** A use code specified in an address |
| Location-address-use | **address-use (address-use):** A use code specified in an address |
| Patient-animal-breed | **animal-breed (animal-breed):** The breed for animal patients |
| Patient-animal-species | **animal-species (animal-species):** The species for animal patients |
| AppointmentResponse-appointment | **appointment (appointment):** The appointment that the response is attached to |
| Encounter-appointment | **appointment (appointment):** The appointment that scheduled this encounter |
| Account-balance | **balance (balance):** How much is in account? |
| RelatedPerson-birthdate | **birthdate (birthdate):** The Related Person's date of birth |
| Person-birthdate | **birthdate (birthdate):** The person's date of birth |
| Patient-birthdate | **birthdate (birthdate):** The patient's date of birth |
| EpisodeOfCare-care-manager | **care-manager (care-manager):** The practitioner that is the care manager/care co-ordinator for this patient |
| Patient-careprovider | **careprovider (careprovider):** Patient's nominated care provider, could be a care manager, not the organization that manages the record |
| HealthcareService-characteristic | **characteristic (characteristic):** One of the HealthcareService's characteristics |
| Practitioner-communication | **communication (communication):** One of the languages that the practitioner can communicate with |
| EpisodeOfCare-condition | **condition (condition):** A list of conditions/problems/diagnoses that this episode of care is intended to be providing care for |
| Encounter-condition | **condition (condition):** Reason the encounter takes place (resource) |
| Appointment-date | **date (date):** Appointment date/time. |
| EpisodeOfCare-date | **date (date):** The provided date search value falls within the episode of care's period |
| Encounter-date | **date (date):** A date within the period the Encounter lasted |
| Schedule-date | **date (date):** Search for Schedule resources that have a period that contains this date specified |
| Patient-deathdate | **deathdate (deathdate):** The date of death has been provided and satisfies this search value |
| Patient-deceased | **deceased (deceased):** This patient has been marked as deceased, or as a death date entered |
| RelatedPerson-email | **email (email):** A value in an email contact |
| Practitioner-email | **email (email):** A value in an email contact |
| Person-email | **email (email):** A value in an email contact |
| Patient-email | **email (email):** A value in an email contact |
| Encounter-episodeofcare | **episodeofcare (episodeofcare):** Episode(s) of care that this encounter should be recorded against |
| Practitioner-family | **family (family):** A portion of the family name |
| Patient-family | **family (family):** A portion of the family name of the patient |
| Slot-fb-type | **fb-type (fb-type):** The free/busy status of the appointment |
| RelatedPerson-gender | **gender (gender):** Gender of the person |
| Practitioner-gender | **gender (gender):** Gender of the practitioner |
| Person-gender | **gender (gender):** The gender of the person |
| Patient-gender | **gender (gender):** Gender of the patient |
| Practitioner-given | **given (given):** A portion of the given name |
| Patient-given | **given (given):** A portion of the given name of the patient |
| Appointment-identifier | **identifier (identifier):** An Identifier of the Appointment |
| Account-identifier | **identifier (identifier):** Account number |
| EpisodeOfCare-identifier | **identifier (identifier):** Identifier(s) by which this EpisodeOfCare is known |
| RelatedPerson-identifier | **identifier (identifier):** A patient Identifier |
| Practitioner-identifier | **identifier (identifier):** A practitioner's Identifier |
| AppointmentResponse-identifier | **identifier (identifier):** An Identifier in this appointment response |
| Slot-identifier | **identifier (identifier):** A Slot Identifier |
| Person-identifier | **identifier (identifier):** A person Identifier |
| Organization-identifier | **identifier (identifier):** Any identifier for the organization (not the accreditation issuer's identifier) |
| HealthcareService-identifier | **identifier (identifier):** External Identifiers for this item |
| Encounter-identifier | **identifier (identifier):** Identifier(s) by which this encounter is known |
| Patient-identifier | **identifier (identifier):** A patient identifier |
| Schedule-identifier | **identifier (identifier):** A Schedule Identifier |
| Location-identifier | **identifier (identifier):** Unique code or number identifying the location to its users |
| EpisodeOfCare-incomingreferral | **incomingreferral (incomingreferral):** Incoming Referral Request |
| Encounter-incomingreferral | **incomingreferral (incomingreferral):** The Referral that initiated this encounter |
| Encounter-indication | **indication (indication):** Reason the encounter takes place (resource) |
| Patient-language | **language (language):** Language code (irrespective of use value) |
| Encounter-length | **length (length):** Length of encounter in days |
| Person-link | **link (link):** Any link has this Patient, Person, RelatedPerson or Practitioner reference |
| Patient-link | **link (link):** All patients linked to the given patient |
| Appointment-location | **location (location):** This location is listed in the participants of the appointment |
| Practitioner-location | **location (location):** One of the locations at which this practitioner provides care |
| AppointmentResponse-location | **location (location):** This Response is for this Location |
| HealthcareService-location | **location (location):** The location of the Healthcare Service |
| Encounter-location | **location (location):** Location the encounter takes place |
| Encounter-location-period | **location-period (location-period):** Time period during which the patient was present at the location |
| Account-name | **name (name):** Human-readable label |
| RelatedPerson-name | **name (name):** A portion of name in any name part |
| Practitioner-name | **name (name):** A portion of either family or given name |
| Person-name | **name (name):** A portion of name in any name part |
| Organization-name | **name (name):** A portion of the organization's name |
| HealthcareService-name | **name (name):** A portion of the Healthcare service name |
| Patient-name | **name (name):** A portion of either family or given name of the patient |
| Location-name | **name (name):** A (portion of the) name of the location |
| Location-near | **near (near):** The coordinates expressed as [lat],[long] (using the WGS84 datum, see notes) to find locations near to (servers may search using a square rather than a circle for efficiency) |
| Location-near-distance | **near-distance (near-distance):** A distance quantity to limit the near search to locations within a specific distance |
| EpisodeOfCare-organization | **organization (organization):** The organization that has assumed the specific responsibilities of this EpisodeOfCare |
| Practitioner-organization | **organization (organization):** The identity of the organization the practitioner represents / acts on behalf of |
| Person-organization | **organization (organization):** The organization at which this person record is being managed |
| HealthcareService-organization | **organization (organization):** The organization that provides this Healthcare Service |
| Patient-organization | **organization (organization):** The organization at which this person is a patient |
| Location-organization | **organization (organization):** Searches for locations that are managed by the provided organization |
| Account-owner | **owner (owner):** Who is responsible? |
| Encounter-part-of | **part-of (part-of):** Another Encounter this encounter is part of |
| Appointment-part-status | **part-status (part-status):** The Participation status of the subject, or other participant on the appointment. Can be used to locate participants that have not responded to meeting requests. |
| AppointmentResponse-part-status | **part-status (part-status):** The participants acceptance status for this appointment |
| Encounter-participant | **participant (participant):** Persons involved in the encounter other than the patient |
| Encounter-participant-type | **participant-type (participant-type):** Role of participant in encounter |
| Organization-partof | **partof (partof):** Search all organizations that are part of the given organization |
| Location-partof | **partof (partof):** The location of which this location is a part |
| Appointment-patient | **patient (patient):** One of the individuals of the appointment is this patient |
| Account-patient | **patient (patient):** What is account tied to? |
| EpisodeOfCare-patient | **patient (patient):** The patient that this EpisodeOfCare applies to |
| RelatedPerson-patient | **patient (patient):** The patient this person is related to |
| AppointmentResponse-patient | **patient (patient):** This Response is for this Patient |
| Person-patient | **patient (patient):** The Person links to this Patient |
| Encounter-patient | **patient (patient):** The patient present at the encounter |
| Account-period | **period (period):** Transaction window |
| RelatedPerson-phone | **phone (phone):** A value in a phone contact |
| Practitioner-phone | **phone (phone):** A value in a phone contact |
| Person-phone | **phone (phone):** A value in a phone contact |
| Patient-phone | **phone (phone):** A value in a phone contact |
| RelatedPerson-phonetic | **phonetic (phonetic):** A portion of name using some kind of phonetic matching algorithm |
| Practitioner-phonetic | **phonetic (phonetic):** A portion of either family or given name using some kind of phonetic matching algorithm |
| Person-phonetic | **phonetic (phonetic):** A portion of name using some kind of phonetic matching algorithm |
| Organization-phonetic | **phonetic (phonetic):** A portion of the organization's name using some kind of phonetic matching algorithm |
| Patient-phonetic | **phonetic (phonetic):** A portion of either family or given name using some kind of phonetic matching algorithm |
| Appointment-practitioner | **practitioner (practitioner):** One of the individuals of the appointment is this practitioner |
| AppointmentResponse-practitioner | **practitioner (practitioner):** This Response is for this Practitioner |
| Person-practitioner | **practitioner (practitioner):** The Person links to this Practitioner |
| Encounter-practitioner | **practitioner (practitioner):** Persons involved in the encounter other than the patient |
| Encounter-procedure | **procedure (procedure):** Reason the encounter takes place (resource) |
| HealthcareService-programname | **programname (programname):** One of the Program Names serviced by this HealthcareService |
| Encounter-reason | **reason (reason):** Reason the encounter takes place (code) |
| Person-relatedperson | **relatedperson (relatedperson):** The Person links to this RelatedPerson |
| Practitioner-role | **role (role):** The practitioner can perform this role at for the organization |
| Slot-schedule | **schedule (schedule):** The Schedule Resource that we are seeking a slot within |
| HealthcareService-servicecategory | **servicecategory (servicecategory):** Service Category of the Healthcare Service |
| HealthcareService-servicetype | **servicetype (servicetype):** The type of service provided by this healthcare service |
| Slot-slot-type | **slot-type (slot-type):** The type of appointments that can be booked into the slot |
| Encounter-special-arrangement | **special-arrangement (special-arrangement):** Wheelchair, translator, stretcher, etc |
| Practitioner-specialty | **specialty (specialty):** The practitioner has this specailty at an organization |
| Slot-start | **start (start):** Appointment date/time. |
| Appointment-status | **status (status):** The overall status of the appointment |
| Account-status | **status (status):** active | inactive |
| EpisodeOfCare-status | **status (status):** The current status of the Episode of Care as provided (does not check the status history collection) |
| Encounter-status | **status (status):** planned | arrived | in-progress | onleave | finished | cancelled |
| Location-status | **status (status):** Searches for locations with a specific kind of status |
| Account-subject | **subject (subject):** What is account tied to? |
| EpisodeOfCare-team-member | **team-member (team-member):** A Practitioner or Organization allocated to the care team for this EpisodeOfCare |
| RelatedPerson-telecom | **telecom (telecom):** The value in any kind of contact |
| Practitioner-telecom | **telecom (telecom):** The value in any kind of contact |
| Person-telecom | **telecom (telecom):** The value in any kind of contact |
| Patient-telecom | **telecom (telecom):** The value in any kind of telecom details of the patient |
| Account-type | **type (type):** E.g. patient, expense, depreciation |
| EpisodeOfCare-type | **type (type):** Specific type of EpisodeOfCare |
| Organization-type | **type (type):** A code for the type of organization |
| Encounter-type | **type (type):** Specific type of encounter |
| Schedule-type | **type (type):** The type of appointments that can be booked into associated slot(s) |
| Location-type | **type (type):** A code for the type of location |

# Patient Care

## Search Parameters

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| --- | --- |
| ClinicalImpression-action | **action (action):** Actions taken during assessment |
| CarePlan-activitycode | **activitycode (activitycode):** Detail type of activity |
| CarePlan-activitydate | **activitydate (activitydate):** Specified date occurs within period specified by CarePlan.activity.timingSchedule |
| CarePlan-activityreference | **activityreference (activityreference):** Activity details defined in specific resource |
| Condition-asserter | **asserter (asserter):** Person who asserts this condition |
| ClinicalImpression-assessor | **assessor (assessor):** The clinician performing the assessment |
| Flag-author | **author (author):** Flag creator |
| QuestionnaireResponse-author | **author (author):** The author of the questionnaire |
| QuestionnaireResponse-authored | **authored (authored):** When the questionnaire was authored |
| Condition-body-site | **body-site (body-site):** Anatomical location, if relevant |
| AllergyIntolerance-category | **category (category):** food | medication | environment | other - Category of Substance |
| Goal-category | **category (category):** E.g. Treatment, dietary, behavioral, etc. |
| CommunicationRequest-category | **category (category):** Message category |
| Communication-category | **category (category):** Message category |
| Condition-category | **category (category):** The category of the condition |
| Condition-clinicalstatus | **clinicalstatus (clinicalstatus):** The clinical status of the condition |
| Questionnaire-code | **code (code):** A code that corresponds to the questionnaire or one of its groups |
| Procedure-code | **code (code):** A code to identify a procedure |
| FamilyMemberHistory-code | **code (code):** A search by a condition code |
| Condition-code | **code (code):** Code for the condition |
| CarePlan-condition | **condition (condition):** Health issues this plan addresses |
| AllergyIntolerance-criticality | **criticality (criticality):** CRITL | CRITH | CRITU |
| ReferralRequest-date | **date (date):** Creation or activation date |
| Questionnaire-date | **date (date):** When the questionnaire was last changed |
| AllergyIntolerance-date | **date (date):** When recorded |
| CarePlan-date | **date (date):** Time period plan covers |
| Procedure-date | **date (date):** Date/Period the procedure was performed |
| Flag-date | **date (date):** Time period when flag is active |
| FamilyMemberHistory-date | **date (date):** When history was captured/updated |
| ClinicalImpression-date | **date (date):** When the assessment occurred |
| Condition-date-recorded | **date-recorded (date-recorded):** A date, when the Condition statement was documented |
| Procedure-encounter | **encounter (encounter):** The encounter when procedure performed |
| ProcedureRequest-encounter | **encounter (encounter):** Encounter |
| Flag-encounter | **encounter (encounter):** Alert relevant during encounter |
| CommunicationRequest-encounter | **encounter (encounter):** Encounter leading to message |
| Communication-encounter | **encounter (encounter):** Encounter leading to message |
| Condition-encounter | **encounter (encounter):** Encounter when condition first asserted |
| QuestionnaireResponse-encounter | **encounter (encounter):** Encounter during which questionnaire was authored |
| Condition-evidence | **evidence (evidence):** Manifestation/symptom |
| ClinicalImpression-finding | **finding (finding):** Specific text or code for finding |
| FamilyMemberHistory-gender | **gender (gender):** A search by a gender code of a family member |
| CarePlan-goal | **goal (goal):** Desired outcome of plan |
| Questionnaire-identifier | **identifier (identifier):** An identifier for the questionnaire |
| AllergyIntolerance-identifier | **identifier (identifier):** External Ids for this item |
| Goal-identifier | **identifier (identifier):** External Ids for this goal |
| Procedure-identifier | **identifier (identifier):** A unique identifier for a procedure |
| ProcedureRequest-identifier | **identifier (identifier):** A unique identifier of the Procedure Request |
| CommunicationRequest-identifier | **identifier (identifier):** Unique identifier |
| FamilyMemberHistory-identifier | **identifier (identifier):** A search by a record identifier |
| Communication-identifier | **identifier (identifier):** Unique identifier |
| Condition-identifier | **identifier (identifier):** A unique identifier of the condition record |
| ClinicalImpression-investigation | **investigation (investigation):** Record of a specific investigation |
| AllergyIntolerance-last-date | **last-date (last-date):** Date(/time) of last known occurence of a reaction |
| Procedure-location | **location (location):** Where the procedure happened |
| AllergyIntolerance-manifestation | **manifestation (manifestation):** Clinical symptoms/signs associated with the Event |
| CommunicationRequest-medium | **medium (medium):** A channel of communication |
| Communication-medium | **medium (medium):** A channel of communication |
| AllergyIntolerance-onset | **onset (onset):** Date(/time) when manifestations showed |
| Condition-onset | **onset (onset):** Date related onsets (dateTime and Period) |
| Condition-onset-info | **onset-info (onset-info):** Other onsets (boolean, age, range, string) |
| ProcedureRequest-orderer | **orderer (orderer):** Ordering Party |
| CarePlan-participant | **participant (participant):** Who is involved |
| ReferralRequest-patient | **patient (patient):** Who the referral is about |
| AllergyIntolerance-patient | **patient (patient):** Who the sensitivity is for |
| CarePlan-patient | **patient (patient):** Who care plan is for |
| Goal-patient | **patient (patient):** Who this goal is intended for |
| Procedure-patient | **patient (patient):** Search by subject - a patient |
| ProcedureRequest-patient | **patient (patient):** Search by subject - a patient |
| Flag-patient | **patient (patient):** The identity of a subject to list flags for |
| CommunicationRequest-patient | **patient (patient):** Focus of message |
| FamilyMemberHistory-patient | **patient (patient):** The identity of a subject to list family member history items for |
| Communication-patient | **patient (patient):** Focus of message |
| Condition-patient | **patient (patient):** Who has the condition? |
| QuestionnaireResponse-patient | **patient (patient):** The patient that is the subject of the questionnaire |
| ClinicalImpression-patient | **patient (patient):** The patient being assessed |
| CarePlan-performer | **performer (performer):** Matches if the practitioner is listed as a performer in any of the "simple" activities. (For performers of the detailed activities, chain through the activitydetail search parameter.) |
| Procedure-performer | **performer (performer):** The reference to the practitioner |
| ProcedureRequest-performer | **performer (performer):** Performer |
| ClinicalImpression-plan | **plan (plan):** Plan of action after assessment |
| ClinicalImpression-previous | **previous (previous):** Reference to last assessment |
| ReferralRequest-priority | **priority (priority):** The priority assigned to the referral |
| CommunicationRequest-priority | **priority (priority):** Message urgency |
| ClinicalImpression-problem | **problem (problem):** General assessment of patient state |
| Questionnaire-publisher | **publisher (publisher):** The author of the questionnaire |
| QuestionnaireResponse-questionnaire | **questionnaire (questionnaire):** The questionnaire the answers are provided for |
| Communication-received | **received (received):** When received |
| ReferralRequest-recipient | **recipient (recipient):** The person that the referral was sent to |
| CommunicationRequest-recipient | **recipient (recipient):** Message recipient |
| Communication-recipient | **recipient (recipient):** Message recipient |
| AllergyIntolerance-recorder | **recorder (recorder):** Who recorded the sensitivity |
| CarePlan-related | **related (related):** A combination of the type of relationship and the related plan |
| CarePlan-relatedcode | **relatedcode (relatedcode):** includes | replaces | fulfills |
| CarePlan-relatedplan | **relatedplan (relatedplan):** Plan relationship exists with |
| FamilyMemberHistory-relationship | **relationship (relationship):** A search by a relationship type |
| AllergyIntolerance-reporter | **reporter (reporter):** Source of the information about the allergy |
| Communication-request | **request (request):** CommunicationRequest producing this message |
| CommunicationRequest-requested | **requested (requested):** When ordered or proposed |
| ReferralRequest-requester | **requester (requester):** Requester of referral / transfer of care |
| CommunicationRequest-requester | **requester (requester):** An individual who requested a communication |
| ClinicalImpression-resolved | **resolved (resolved):** Diagnosies/conditions resolved since previous assessment |
| AllergyIntolerance-route | **route (route):** How the subject was exposed to the substance |
| ClinicalImpression-ruledout | **ruledout (ruledout):** Specific text of code for diagnosis |
| CommunicationRequest-sender | **sender (sender):** Message sender |
| Communication-sender | **sender (sender):** Message sender |
| Communication-sent | **sent (sent):** When sent |
| AllergyIntolerance-severity | **severity (severity):** mild | moderate | severe (of event as a whole) |
| Condition-severity | **severity (severity):** The severity of the condition |
| QuestionnaireResponse-source | **source (source):** The person who answered the questions |
| ReferralRequest-specialty | **specialty (specialty):** The specialty that the referral is for |
| Condition-stage | **stage (stage):** Simple summary (disease specific) |
| ReferralRequest-status | **status (status):** The status of the referral |
| Questionnaire-status | **status (status):** The status of the questionnaire |
| AllergyIntolerance-status | **status (status):** active | unconfirmed | confirmed | inactive | resolved | refuted | entered-in-error |
| Goal-status | **status (status):** proposed | planned | accepted | rejected | in-progress | achieved | sustaining | on-hold | cancelled |
| CommunicationRequest-status | **status (status):** proposed | planned | requested | received | accepted | in-progress | completed | suspended | rejected | failed |
| Communication-status | **status (status):** in-progress | completed | suspended | rejected | failed |
| QuestionnaireResponse-status | **status (status):** The status of the questionnaire response |
| ClinicalImpression-status | **status (status):** in-progress | completed | entered-in-error |
| CarePlan-subject | **subject (subject):** Who care plan is for |
| Goal-subject | **subject (subject):** Who this goal is intended for |
| Procedure-subject | **subject (subject):** Search by subject |
| ProcedureRequest-subject | **subject (subject):** Search by subject |
| Flag-subject | **subject (subject):** The identity of a subject to list flags for |
| CommunicationRequest-subject | **subject (subject):** Focus of message |
| Communication-subject | **subject (subject):** Focus of message |
| QuestionnaireResponse-subject | **subject (subject):** The subject of the questionnaire |
| AllergyIntolerance-substance | **substance (substance):** Substance, (or class) considered to be responsible for risk |
| Goal-targetdate | **targetdate (targetdate):** Reach goal on or before |
| CommunicationRequest-time | **time (time):** When scheduled |
| Questionnaire-title | **title (title):** All or part of the name of the questionnaire (title for the root group of the questionnaire) |
| ClinicalImpression-trigger | **trigger (trigger):** Request or event that necessitated this assessment |
| ClinicalImpression-trigger-code | **trigger-code (trigger-code):** Request or event that necessitated this assessment |
| ReferralRequest-type | **type (type):** The type of the referral |
| AllergyIntolerance-type | **type (type):** allergy | intolerance - Underlying mechanism (if known) |
| Questionnaire-version | **version (version):** The business version of the questionnaire |

# Pharmacy

## Search Parameters

|  |  |
| --- | --- |
| Medication-code | **code (code):** Codes that identify this medication |
| MedicationAdministration-code | **code (code):** Return administrations of this medication code |
| MedicationStatement-code | **code (code):** Return administrations of this medication code |
| MedicationDispense-code | **code (code):** Returns dispenses of this medicine code |
| MedicationOrder-code | **code (code):** Return administrations of this medication code |
| Medication-container | **container (container):** E.g. box, vial, blister-pack |
| Medication-content | **content (content):** A product in the package |
| MedicationOrder-datewritten | **datewritten (datewritten):** Return prescriptions written on this date |
| MedicationDispense-destination | **destination (destination):** Return dispenses that should be sent to a secific destination |
| MedicationAdministration-device | **device (device):** Return administrations with this administration device identity |
| MedicationDispense-dispenser | **dispenser (dispenser):** Return all dispenses performed by a specific indiividual |
| MedicationStatement-effectivedate | **effectivedate (effectivedate):** Date when patient was taking (or not taking) the medication |
| MedicationAdministration-effectivetime | **effectivetime (effectivetime):** Date administration happened (or did not happen) |
| MedicationAdministration-encounter | **encounter (encounter):** Return administrations that share this encounter |
| MedicationOrder-encounter | **encounter (encounter):** Return prescriptions with this encounter identity |
| Medication-form | **form (form):** powder | tablets | carton + |
| MedicationAdministration-identifier | **identifier (identifier):** Return administrations with this external identity |
| MedicationStatement-identifier | **identifier (identifier):** Return statements with this external identity |
| MedicationDispense-identifier | **identifier (identifier):** Return dispenses with this external identity |
| MedicationOrder-identifier | **identifier (identifier):** Return prescriptions with this external identity |
| Medication-ingredient | **ingredient (ingredient):** The product contained |
| Medication-manufacturer | **manufacturer (manufacturer):** Manufacturer of the item |
| MedicationAdministration-medication | **medication (medication):** Return administrations of this medication resource |
| MedicationStatement-medication | **medication (medication):** Return administrations of this medication reference |
| MedicationDispense-medication | **medication (medication):** Returns dispenses of this medicine resource |
| MedicationOrder-medication | **medication (medication):** Return administrations of this medication reference |
| MedicationAdministration-notgiven | **notgiven (notgiven):** Administrations that were not made |
| MedicationAdministration-patient | **patient (patient):** The identity of a patient to list administrations for |
| MedicationStatement-patient | **patient (patient):** The identity of a patient to list statements for |
| MedicationDispense-patient | **patient (patient):** The identity of a patient to list dispenses for |
| MedicationOrder-patient | **patient (patient):** The identity of a patient to list dispenses for |
| MedicationAdministration-practitioner | **practitioner (practitioner):** Who administered substance? |
| MedicationOrder-prescriber | **prescriber (prescriber):** Who ordered the medication(s) |
| MedicationAdministration-prescription | **prescription (prescription):** The identity of a prescription to list administrations from |
| MedicationDispense-prescription | **prescription (prescription):** The identity of a prescription to list dispenses from |
| MedicationDispense-receiver | **receiver (receiver):** Who collected the medication |
| MedicationDispense-responsibleparty | **responsibleparty (responsibleparty):** Return all dispenses with the specified responsible party |
| MedicationStatement-source | **source (source):** Who the information in the statement came from |
| MedicationAdministration-status | **status (status):** MedicationAdministration event status (for example one of active/paused/completed/nullified) |
| MedicationStatement-status | **status (status):** Return statements that match the given status |
| MedicationDispense-status | **status (status):** Status of the dispense |
| MedicationOrder-status | **status (status):** Status of the prescription |
| MedicationDispense-type | **type (type):** Return all dispenses of a specific type |
| MedicationDispense-whenhandedover | **whenhandedover (whenhandedover):** Date when medication handed over to patient (outpatient setting), or supplied to ward or clinic (inpatient setting) |
| MedicationDispense-whenprepared | **whenprepared (whenprepared):** Date when medication prepared |

# Public Health and Emergency Response

## Search Parameters

|  |  |
| --- | --- |
| Immunization-date | **date (date):** Vaccination (non)-Administration Date |
| ImmunizationRecommendation-date | **date (date):** Date recommendation created |
| ImmunizationRecommendation-dose-number | **dose-number (dose-number):** Recommended dose number |
| Immunization-dose-sequence | **dose-sequence (dose-sequence):** What dose number within series? |
| ImmunizationRecommendation-dose-sequence | **dose-sequence (dose-sequence):** Number of dose within sequence |
| Immunization-identifier | **identifier (identifier):** Business identifier |
| ImmunizationRecommendation-identifier | **identifier (identifier):** Business identifier |
| ImmunizationRecommendation-information | **information (information):** Patient observations supporting recommendation |
| Immunization-location | **location (location):** The service delivery location or facility in which the vaccine was / was to be administered |
| Immunization-lot-number | **lot-number (lot-number):** Vaccine Lot Number |
| Immunization-manufacturer | **manufacturer (manufacturer):** Vaccine Manufacturer |
| Immunization-notgiven | **notgiven (notgiven):** Administrations which were not given |
| Immunization-patient | **patient (patient):** The patient for the vaccination record |
| ImmunizationRecommendation-patient | **patient (patient):** Who this profile is for |
| Immunization-performer | **performer (performer):** The practitioner who administered the vaccination |
| Immunization-reaction | **reaction (reaction):** Additional information on reaction |
| Immunization-reaction-date | **reaction-date (reaction-date):** When did reaction start? |
| Immunization-reason | **reason (reason):** Why immunization occurred |
| Immunization-reason-not-given | **reason-not-given (reason-not-given):** Explanation of reason vaccination was not administered |
| Immunization-requester | **requester (requester):** The practitioner who ordered the vaccination |
| Immunization-status | **status (status):** Immunization event status |
| ImmunizationRecommendation-status | **status (status):** Vaccine administration status |
| ImmunizationRecommendation-support | **support (support):** Past immunizations supporting recommendation |
| Immunization-vaccine-code | **vaccine-code (vaccine-code):** Vaccine Product Administered |
| ImmunizationRecommendation-vaccine-type | **vaccine-type (vaccine-type):** Vaccine recommendation applies to |

# Security

## Search Parameters

|  |  |
| --- | --- |
| AuditEvent-action | **action (action):** Type of action performed during the event |
| AuditEvent-address | **address (address):** Identifier for the network access point of the user device |
| Provenance-agent | **agent (agent):** Individual, device or organization playing role |
| AuditEvent-altid | **altid (altid):** Alternative User id e.g. authentication |
| AuditEvent-date | **date (date):** Time when the event occurred on source |
| AuditEvent-desc | **desc (desc):** Instance-specific descriptor for Object |
| Provenance-end | **end (end):** End time with inclusive boundary, if not ongoing |
| Provenance-entity | **entity (entity):** Identity of entity |
| Provenance-entitytype | **entitytype (entitytype):** The type of resource in this entity |
| AuditEvent-identity | **identity (identity):** Specific instance of object (e.g. versioned) |
| Provenance-location | **location (location):** Where the activity occurred, if relevant |
| AuditEvent-name | **name (name):** Human-meaningful name for the user |
| AuditEvent-object-type | **object-type (object-type):** Type of object involved |
| AuditEvent-participant | **participant (participant):** Direct reference to resource |
| Provenance-patient | **patient (patient):** Target Reference(s) (usually version specific) |
| AuditEvent-patient | **patient (patient):** Direct reference to resource |
| AuditEvent-policy | **policy (policy):** Policy that authorized event |
| AuditEvent-reference | **reference (reference):** Specific instance of resource (e.g. versioned) |
| Provenance-sigtype | **sigtype (sigtype):** Indication of the reason the entity signed the object(s) |
| AuditEvent-site | **site (site):** Logical source location within the enterprise |
| AuditEvent-source | **source (source):** The identity of source detecting the event |
| Provenance-start | **start (start):** Starting time with inclusive boundary |
| AuditEvent-subtype | **subtype (subtype):** More specific type/id for the event |
| Provenance-target | **target (target):** Target Reference(s) (usually version specific) |
| AuditEvent-type | **type (type):** Type/identifier of event |
| AuditEvent-user | **user (user):** Unique identifier for the user |
| Provenance-userid | **userid (userid):** Authorization-system identifier for the agent |

# Structured Documents

## Search Parameters

|  |  |
| --- | --- |
| Composition-attester | **attester (attester):** Who attested the composition |
| DocumentReference-authenticator | **authenticator (authenticator):** Who/What authenticated the document |
| DocumentManifest-author | **author (author):** Who and/or what authored the manifest |
| DocumentReference-author | **author (author):** Who and/or what authored the document |
| Composition-author | **author (author):** Who and/or what authored the composition |
| DocumentReference-class | **class (class):** Categorization of document |
| Composition-class | **class (class):** Categorization of Composition |
| Composition-confidentiality | **confidentiality (confidentiality):** As defined by affinity domain |
| DocumentManifest-content-ref | **content-ref (content-ref):** Contents of this set of documents |
| Composition-context | **context (context):** Code(s) that apply to the event being documented |
| DocumentManifest-created | **created (created):** When this document manifest created |
| DocumentReference-created | **created (created):** Document creation time |
| DocumentReference-custodian | **custodian (custodian):** Org which maintains the document |
| Composition-date | **date (date):** Composition editing time |
| DocumentManifest-description | **description (description):** Human-readable description (title) |
| DocumentReference-description | **description (description):** Human-readable description (title) |
| DocumentReference-encounter | **encounter (encounter):** Context of the document content |
| Composition-encounter | **encounter (encounter):** Context of the conposition |
| Composition-entry | **entry (entry):** A reference to data that supports this section |
| DocumentReference-event | **event (event):** Main Clinical Acts Documented |
| DocumentReference-facility | **facility (facility):** Kind of facility where patient was seen |
| DocumentReference-format | **format (format):** Format/content rules for the document |
| DocumentManifest-identifier | **identifier (identifier):** Unique Identifier for the set of documents |
| DocumentReference-identifier | **identifier (identifier):** Master Version Specific Identifier |
| Composition-identifier | **identifier (identifier):** Logical identifier of composition (version-independent) |
| DocumentReference-indexed | **indexed (indexed):** When this document reference created |
| DocumentReference-language | **language (language):** Human language of the content (BCP-47) |
| DocumentReference-location | **location (location):** Uri where the data can be found |
| DocumentManifest-patient | **patient (patient):** The subject of the set of documents |
| DocumentReference-patient | **patient (patient):** Who|what is the subject of the document |
| Composition-patient | **patient (patient):** Who and/or what the composition is about |
| DocumentReference-period | **period (period):** Time of service that is being documented |
| Composition-period | **period (period):** The period covered by the documentation |
| DocumentManifest-recipient | **recipient (recipient):** Intended to get notified about this set of documents |
| DocumentManifest-related-id | **related-id (related-id):** Identifiers of things that are related |
| DocumentReference-related-id | **related-id (related-id):** Identifer of related objects or events |
| DocumentManifest-related-ref | **related-ref (related-ref):** Related Resource |
| DocumentReference-related-ref | **related-ref (related-ref):** Related Resource |
| DocumentReference-relatesto | **relatesto (relatesto):** Target of the relationship |
| DocumentReference-relation | **relation (relation):** replaces | transforms | signs | appends |
| DocumentReference-relationship | **relationship (relationship):** Combination of relation and relatesTo |
| Composition-section | **section (section):** Classification of section (recommended) |
| DocumentReference-securitylabel | **securitylabel (securitylabel):** Document security-tags |
| DocumentReference-setting | **setting (setting):** Additional details about where the content was created (e.g. clinical specialty) |
| DocumentManifest-source | **source (source):** The source system/application/software |
| DocumentManifest-status | **status (status):** current | superseded | entered-in-error |
| DocumentReference-status | **status (status):** current | superseded | entered-in-error |
| Composition-status | **status (status):** preliminary | final | amended | entered-in-error |
| DocumentManifest-subject | **subject (subject):** The subject of the set of documents |
| DocumentReference-subject | **subject (subject):** Who|what is the subject of the document |
| Composition-subject | **subject (subject):** Who and/or what the composition is about |
| Composition-title | **title (title):** Human Readable name/title |
| DocumentManifest-type | **type (type):** What kind of document set this is |
| DocumentReference-type | **type (type):** Kind of document (LOINC if possible) |
| Composition-type | **type (type):** Kind of composition (LOINC if possible) |

# Vocabulary

## Search Parameters

|  |  |
| --- | --- |
| ValueSet-code | **code (code):** A code defined in the value set |
| ConceptMap-context | **context (context):** A use context assigned to the concept map |
| ValueSet-context | **context (context):** A use context assigned to the value set |
| ConceptMap-date | **date (date):** The concept map publication date |
| ValueSet-date | **date (date):** The value set publication date |
| ConceptMap-dependson | **dependson (dependson):** Reference to element/field/valueset mapping depends on |
| ConceptMap-description | **description (description):** Text search in the description of the concept map |
| ValueSet-description | **description (description):** Text search in the description of the value set |
| ValueSet-expansion | **expansion (expansion):** Uniquely identifies this expansion |
| ConceptMap-identifier | **identifier (identifier):** Additional identifier for the concept map |
| ValueSet-identifier | **identifier (identifier):** The identifier for the value set |
| ConceptMap-name | **name (name):** Name of the concept map |
| ValueSet-name | **name (name):** The name of the value set |
| ConceptMap-product | **product (product):** Reference to element/field/valueset mapping depends on |
| ConceptMap-publisher | **publisher (publisher):** Name of the publisher of the concept map |
| ValueSet-publisher | **publisher (publisher):** Name of the publisher of the value set |
| ValueSet-reference | **reference (reference):** A code system included or excluded in the value set or an imported value set |
| ConceptMap-source | **source (source):** Identifies the source of the concepts which are being mapped |
| ConceptMap-sourcecode | **sourcecode (sourcecode):** Identifies element being mapped |
| ConceptMap-sourcesystem | **sourcesystem (sourcesystem):** Code System (if value set crosses code systems) |
| ConceptMap-sourceuri | **sourceuri (sourceuri):** Identifies the source of the concepts which are being mapped |
| ConceptMap-status | **status (status):** Status of the concept map |
| ValueSet-status | **status (status):** The status of the value set |
| ValueSet-system | **system (system):** The system for any codes defined by this value set |
| ConceptMap-target | **target (target):** Provides context to the mappings |
| ConceptMap-targetcode | **targetcode (targetcode):** Code that identifies the target element |
| ConceptMap-targetsystem | **targetsystem (targetsystem):** System of the target (if necessary) |
| ConceptMap-url | **url (url):** The url of the concept map |
| ValueSet-url | **url (url):** The logical url for the value set |
| ConceptMap-version | **version (version):** The version identifier of the concept map |
| ValueSet-version | **version (version):** The version identifier of the value set |

# Health Level Seven, Inc. - CDS WG

## Search Parameters

|  |  |
| --- | --- |
| knowledgemodule-cqif-Basic-description | **description (description):** Text search against the description |
| knowledgemodule-cqif-Basic-identifier | **identifier (identifier):** Logical identifier for the module (e.g. CMS-143) |
| knowledgemodule-cqif-Basic-keyword | **keyword (keyword):** Keywords associated with the module |
| knowledgemodule-cqif-Basic-minScore | **minScore (min Score):** The minimum relevance score of any match that will be returned |
| knowledgemodule-cqif-Basic-status | **status (status):** Status of the module |
| knowledgemodule-cqif-Basic-title | **title (title):** Text search against the title |
| knowledgemodule-cqif-Basic-topic | **topic (topic):** Topics associated with the module |
| knowledgemodule-cqif-Basic-version | **version (version):** Version of the module (e.g. 1.0.0) |