



Resource



Domain Resource

Name	Card
DomainResource	
-() text	01
🏐 contained	0*
- 🛊 extension	0*
🖈 modifierExtension	0*

Meta

Name Card.			
Meta			
versionId	01		
🗀 lastUpdated	01		
source ⊈ profile	01		
- 🗗 profile	0*		
🏐 security	0*		
() security	0*		

Terminology Systems

SNOMED CT http://snomed.info/sct LOINC http://loinc.org UCUM http://unitsofmeasure.org Version 2 table code http://terminology.hl7.org/CodeSystem/v2-[X] Version 3 code system http://terminology.hl7.org/CodeSystem/v3-[X]

MIME Types

JSON

application/fhir+json **XML** application/fhir+xml application/fhir+turtle

Bundle



Operations For more see:

https://hl7.org/fhir/r4/operationslist.html

Validate a resource

[base]/[Resource]/\$validate [base]/[Resource]/[id]/\$validate

Terminology operations

[base]/ValueSet/[id]/\$expand [base]/ValueSet/[id]/\$validate-code [base]/CodeSystem/\$lookup [base]/CodeSystem/[id]/\$subsumes [base]/CodeSystem/[id]/\$find-matches

Fetch records

[base]/Patient/[id]/\$everything

Meta Operations

[base]/\$meta [base]/[Resource]/\$meta [base]/[Resource]/[id]/\$meta [base]/[Resource]/[id]/\$meta-add [base]/[Resource]/[id]/\$meta-delete

Generate a Document

[base]/Composition/[id]/\$document

Process Message

[base]/\$process-message

Find a functional List

[base]/List/\$find

ConceptMap operations

[base]/ConceptMap/\$translate [base]/ConceptMap/[id]/\$translate

Closure Table Maintenance

[base]/\$closure

Questionnaire operations

[base]/StructureDefinition/\$questionnaire [base]/StructureDefinition/[id]/ \$questionnaire

Interactions

Instance

READ	GET	[base]/[type]/[id]
VREAD	GET	[base]/[type]/[id]/_history/[vid]
UPDATE	PUT	[base]/[type]/[id]
DELETE	DELETE	[base]/[type]/[id]
HISTORY	GET	[base]/[type]/[id]/_history

Type level

CREATE	POST	[base]/[type]
SEARCH	GET	[base]/[type]?[parameters]
HISTORY	GET	[base]/[type]/_history

Whole System

	CAPABILITY	GET	[base]/metadata
	BATCH TRANSACTION	POST	[base]/
	HISTORY	GET	[base]/_history
	SEARCH	GET	[base]?[parameters]

Conditional Interactions

CREATE	POST	If-None-Exist: [search parameters] No matches: Create 1 match: 200 OK Multi matches: 412 Precondition Failed
UPDATE	PUT	[base-url] /[type]/?[search parameters] No matches: Create 1 match: Update Multi matches: 412 Precondition Failed
DELETE	DELETE	[base-url] /[type]/?[search parameters] No matched: Delete 1 match: Delete Multi matches: 412 Precondition Failed

Comparators for Search

<pre>[parameter]=100 [parameter]=100.00</pre>	equal 100 in range [99.5100.5] equal 100 in range [99.995100.005]
[parameter]=lt100	less than 100
[parameter]=le100	less or equal to 100
[parameter]=gt100	greater than 100
[parameter]=ge100	greater or equal to 100
[parameter]=ne100	not equal to 100

Search

Parameter Types

Base search URL base-url / resource ? parameter & parameter &

https://vonk.fire.ly/Patient?name=John

number field (:modifier)=(comparator)number

length=27

date field (:modifier) = comparator yyyy-mm-ddThh:mm:ss[ZI(+I-)hh:mm]

birthdate=1964-12-10

strina field (:modifier) = text

name=John

name:exact=John-William

token field = system I code

gender=female

gender=http://hl7.org/fhir/v3/AdministrativeGender|female

gender=|female

Reference field (:modifier) = id

subject:Patient=23

Quantity field = (comparator) number I system I code

value=5.4|http://unitsofmeasure.org|mg

value=lt5.4|http://unitsofmeasure.org|mg Composite field = value, value

field = state\$value.state\$value

state-on-date=new\$2013-05-04,active\$2013-05-05

field (:modifier) = uri

uri:below=http://acme.org/fhir/

Parameters for all resources

lastUpdated lastUpdated=gt2010-10-01

tag tag=http://acme.org/codes|needs-review

profile=http://hl7.org/fhir/StructureDefinition/lipid profile

security = http://hl7.org/fhir/v3/ActCode CEL security

text=(bone OR liver) and metastases text content content=(bone OR liver) and metastases

list

has:Observation:patient:code=1234-5 has

type=Observation, Condition type query=name¶meters _query

Search result parameters

include include=MedicationPrescription:patient revinclude revinclude=Provenance:target

count count=50

sort

sort=status,-date,category summary summary=true | text | data | count | false

elements=identifier,active,link elements contained contained = true | false | both containedType = container | contained containedType

Chained parameters

GET [base-url]/DiagnosticReport?subject.name=peter