



Resource Bundle (API Specification)

Patient

Patient APIs enable user to fetch basic demographics and other administrative information about an individual patient.

Patient.read

Http Method:	GET
Url Template:	[baseUrl]/Patients/{ID}

Patient.search

Http Method:	GET
Url Template:	[baseUrl]/Patient?_id={id}&identifier={identifier}&name={name}&birthdate={birthdate}&family={family}&gender={gender}

Conformance	Parameter (Combination)	Type	URL
SHALL	_id	token	[baseUrl]/Patient?_id={id}
SHALL	identifier	token	[baseUrl]/Patient?identifier={identifier}
SHALL	name	string	[baseUrl]/Patient?name={name}
SHALL	birthdate+name	date+string	[baseUrl]/Patient?name={name}&birthdate={birthdate}
SHALL	gender+name	token+string	[baseUrl]/Patient?name={name}&gender={gender}
SHOULD	family+gender	string+token	[baseUrl]/Patient?family={family}&gender={gender}
SHOULD	birthdate+family	date+string	[baseUrl]/Patient?family={family}&birthdate={birthdate}

Request:

https://fhir.qsmartcare.com:2025/v/r4/sim/eyJrljoiMSlImoiOilxliwiYil6ljE2MDU5NSJ9/fhir/Patient?_id=160595



Response

```
{
  "resourceType": "Bundle",
  "id": "35fc2d45-7fcb-4e1b-b7ec-88f3d43d3777",
  "meta": {
    "lastUpdated": "2022-09-17T08:59:12.482+00:00"
  },
  "type": "searchset",
  "total": 1,
  "link": [
    {
      "relation": "self",
      "url": "https://fhir.qsmartcare.com:2025/v/r4/fhir//Patient?_id=160595"
    }
  ],
  "entry": [
    {
      "fullUrl": "https://fhir.qsmartcare.com:2025/v/r4/fhir//Patient/160595",
      "resource": {
        "resourceType": "Patient",
        "id": "160595",
        "meta": {
          "versionId": "1",
          "lastUpdated": "2022-11-15T07:47:18+00:00",
          "source": "#iLFSV70Lv0KF8dmQ",
          "profile": [
            "http://hl7.org/fhir/us/core/StructureDefinition/us-core-patient"
          ]
        },
        "text": {
          "status": "generated",
          "div": "<div xmlns='http://www.w3.org/1999/xhtml'>Generated by <a href='https://github.com/synthetichealth/synthea'>Synthea</a>.Version identifier: v2.6.1-3-g50f4f58f\n . Person seed: 4286870567281389426 Population seed: 3</div>"
        },
        "extension": [
          {
            "url": "http://hl7.org/fhir/us/core/StructureDefinition/us-core-race",
            "extension": [
              {
                "url": "ombCategory",
                "valueCoding": {
                  "system": "urn:oid:2.16.840.1.113883.6.238",
                  "code": "2028-9",
                  "display": "Asian"
                }
              },
              {
                "url": "text",
                "valueString": "Asian"
              }
            ]
          }
        ]
      }
    }
  ],
}
```



```
{
  "url": "http://hl7.org/fhir/us/core/StructureDefinition/us-core-ethnicity",
  "extension": [
    {
      "url": "ombCategory",
      "valueCoding": {
        "system": "urn:oid:2.16.840.1.113883.6.238",
        "code": "2135-2",
        "display": "Hispanic Or Latino"
      }
    },
    {
      "url": "text",
      "valueString": "Hispanic Or Latino"
    }
  ]
},
{
  "url": "http://hl7.org/fhir/StructureDefinition/patient-mothersMaidenName",
  "valueString": "Test"
},
{
  "url": "http://hl7.org/fhir/us/core/StructureDefinition/us-core-birthsex",
  "valueCode": "M"
},
{
  "url": "http://hl7.org/fhir/StructureDefinition/patient-birthPlace",
  "valueAddress": {
    "city": "Springfield",
    "state": "Massachusetts",
    "country": "US"
  }
}
],
"identifier": [
  {
    "system": "https://github.com/synthetichealth/synthea",
    "value": "e91975f5-9445-c11f-cabf-c3c6dae161f2"
  },
  {
    "type": {
      "coding": [
        {
          "system": "http://terminology.hl7.org/CodeSystem/v2-0203",
          "code": "MR",
          "display": "Medical Record Number"
        }
      ]
    },
    "text": "Medical Record Number"
  },
  {
    "system": "http://hospital.smarthealthit.org",
    "value": "e91975f5-9445-c11f-cabf-c3c6dae161f2"
  }
]
```



```
    },
    {
      "type": {
        "coding": [
          {
            "system": "http://terminology.hl7.org/CodeSystem/v2-0203",
            "code": "SS",
            "display": "Social Security Number"
          }
        ],
        "text": "Social Security Number"
      },
      "system": "http://hl7.org/fhir/sid/us-ssn",
      "value": "434-35-5446"
    },
    {
      "type": {
        "coding": [
          {
            "system": "http://terminology.hl7.org/CodeSystem/v2-0203",
            "code": "DL",
            "display": "Driver's License"
          }
        ],
        "text": "Driver's License"
      },
      "system": "urn:oid:2.16.840.1.113883.4.3.25",
      "value": "S99940283"
    }
  ],
  "name": [
    {
      "use": "official",
      "family": "Tesla",
      "given": [
        "Barry"
      ],
      "suffix": [
        "Jr"
      ]
    },
    {
      "use": "old",
      "family": "Tesla",
      "given": [
        "Jake"
      ],
      "prefix": [
        "Mr"
      ],
      "period": {
        "start": "1998-10-10",
        "end": "2022-01-02"
      }
    }
  ]
}
```



```
],
  "telecom": [
    {
      "system": "phone",
      "value": "555-770-2787",
      "use": "home"
    }
  ],
  "gender": "male",
  "birthDate": "1998-10-10",
  "address": [
    {
      "extension": [
        {
          "url": "http://hl7.org/fhir/StructureDefinition/geolocation",
          "extension": [
            {
              "url": "latitude",
              "valueDecimal": 42.1343534042923
            },
            {
              "url": "longitude",
              "valueDecimal": -72.67217549422628
            }
          ]
        }
      ]
    }
  ],
  "line": [
    "599 Schowalter Promenade"
  ],
  "city": "West Springfield",
  "state": "MA",
  "postalCode": "01089",
  "country": "US",
  "period": {
    "start": "1998-10-10"
  }
},
"maritalStatus": {
  "coding": [
    {
      "system": "http://terminology.hl7.org/CodeSystem/v3-
MaritalStatus",
      "code": "Married",
      "display": "Married"
    }
  ],
  "text": "Married"
},
"multipleBirthBoolean": false,
"communication": [
  {
    "language": {
      "coding": [
```



```
        {
            "system": "urn:ietf:bc47",
            "code": "en-US",
            "display": "English"
        }
    ],
    "text": "English"
}
]
},
"search": {
    "mode": "match"
}
}
]
```

Error Handling: In the event of an error, QSmartCare system will respond by supporting below error codes -

Supported HTTP codes:

HTTP Code	Severity	Description	Example
400	Error	Bad request	Invalid Parameters
401	Error	Unauthorized	Invalid Access Token
403	Error	Forbidden	Valid Access Token but not authorized for the requested scope
408	Error	Request time out	Service timed out
500	Error	Internal Server error	Server issue



AllergyIntolerance

AllergyIntolerance APIs enable users to search and fetch allergies/adverse reactions associated with a patient.

AllergyIntolerance.read

Http Method:	GET
Url Template:	[baseUrl]/AllergyIntolerance/{ID}

AllergyIntolerance.search

Http Method:	GET
Url Template:	[baseUrl]/AllergyIntolerance?patient={patient}&clinical-status={clinical-status}

Conformance	Parameter (Combination)	Type	URL
SHALL	patient	reference	[baseUrl]/AllergyIntolerance?patient={patient}
SHALL	patient+clinical-status	reference+token	[baseUrl]/AllergyIntolerance?patient={patient}&clinical-status={clinical-status}



Request:

https://fhir.qsmartcare.com:2025/v/r4/sim/eyJrIjojMSIsImoiOilxliwiYil6IjE2MDU5NSJ9/fhir/AllergyIntolerance?patient=160595

Response

```
{
  "resourceType": "Bundle",
  "id": "a6ed06d9-ec7d-45fa-86ae-2dddb3b755fe",
  "meta": {
    "lastUpdated": "2022-09-29T10:24:13.026+00:00"
  },
  "type": "searchset",
  "total": 10,
  "link": [
    {
      "relation": "self",
      "url":
      "https://fhir.qsmartcare.com:2025/v/r4/fhir//AllergyIntolerance?patient=160595"
    }
  ],
  "entry": [
    {
      "fullUrl":
      "https://fhir.qsmartcare.com:2025/v/r4/fhir//AllergyIntolerance/160595",
      "resource": {
        "resourceType": "AllergyIntolerance",
        "id": "160595",
        "meta": {
          "versionId": "1",
          "lastUpdated": "2022-11-15T07:47:21+00:00",
          "source": "#iLFSV70Lv0KF8dmQ",
          "profile": [
            "http://hl7.org/fhir/us/core/StructureDefinition/us-core-allergyintolerance"
          ]
        },
        "clinicalStatus": {
          "coding": [
            {
              "system":
              "http://terminology.hl7.org/CodeSystem/allergyintolerance-clinical",
              "code": "active"
            }
          ]
        },
        "verificationStatus": {
          "coding": [
            {
              "system":
              "http://terminology.hl7.org/CodeSystem/allergyintolerance-verification",
```




```
        "code": "confirmed"
      }
    ]
  },
  "type": "allergy",
  "category": [
    "food"
  ],
  "criticality": "low",
  "code": {
    "coding": [
      {
        "system": "http://snomed.info/sct",
        "code": "285170",
        "display": "Yellow Jacket Venom Protein"
      }
    ],
    "text": "Yellow Jacket Venom Protein"
  },
  "patient": {
    "reference": "Patient/160595"
  },
  "recordedDate": "1941-10-14T18:33:18-05:00",
  "reaction": [
    {
      "manifestation": [
        {
          "coding": [
            {
              "system": "http://snomed.info/sct",
              "code": "271807003",
              "display": "skin rash"
            }
          ],
          "text": "skin rash"
        }
      ]
    }
  ]
},
"search": {
  "mode": "match"
}
}
```

Error Handling: In the event of an error, QSmartCare system will respond by supporting below error codes -

Supported HTTP codes:



HTTP Code	Severity	Description	Example
400	Error	Bad request	Invalid Parameters
401	Error	Unauthorized	Invalid Access Token
403	Error	Forbidden	Valid Access Token but not authorized for the requested scope
408	Error	Request time out	Service timed out
500	Error	Internal Server error	Server issue

CarePlan

CarePlan APIs enable users to search, and fetch assessment and plan of treatment data associated with a patient.

CarePlan.read

Http Method:	GET
Url Template:	[baseUrl]/CarePlan/{ID}

CarePlan.search

Http Method:	GET
Url Template:	[baseUrl]/CarePlan?patient={patient}&category={category}&status={status}&date={date}

Conformance	Parameter (Combination)	Type	URL
-------------	-------------------------	------	-----



SHALL	patient+category	reference +token	[baseUrl]/CarePlan?patient={patient}&category={category}
SHALL	patient+category +status+date	reference +token+to ken+date	[baseUrl]/CarePlan?patient={patient}&category={category}&status={status}&date={date}
SHOULD	patient+category +status	reference +token+to ken	[baseUrl]/CarePlan?patient={patient}&category={category}&status={status}
SHOULD	patient+category +date	reference +token+da te	[baseUrl]/CarePlan?patient={patient}&category={category}&date={date}

Request:

<https://fhir.qsmartcare.com:2025/v/r4/sim/eyJrIjoiMSIsImoiOiIiYiI6IjE2MDU5NSJ9/fhir/CarePlan?category=assess-plan&patient=160595>

Response

```
{
  "resourceType": "Bundle",
  "id": "589e9683-fba8-4e7b-b421-8e103f2ecbc0",
  "meta": {
    "lastUpdated": "2022-11-15T07:47:23+00:00"
  },
  "type": "searchset",
  "total": 6,
  "link": [
    {
      "relation": "self",
      "url":
"https://fhir.qsmartcare.com:2025/v/r4/fhir//CarePlan?category=assess-
plan&patient=160595"
    }
  ],
  "entry": [
    {
      "fullUrl": "https://fhir.qsmartcare.com:2025/v/r4/fhir//CarePlan/160595",
      "resource": {
        "resourceType": "CarePlan",
        "id": "160595",
        "meta": {
          "versionId": "1",
          "lastUpdated": "2021-03-23T19:36:17.299+00:00",
          "source": "#E1VolYkq84D3M96u",
          "profile": [
            "http://hl7.org/fhir/us/core/StructureDefinition/us-core-careplan"
          ]
        }
      }
    }
  ]
}
```



```
]
},
"text": {
  "status": "generated",
  "div": "<div xmlns=\"http://www.w3.org/1999/xhtml\">Care Plan for
Fracture care.<br/>Activities: <ul><li>Fracture care</li><li>Fracture
care</li></ul><br/>Care plan is meant to treat Fracture of clavicle.</div>"
},
"status": "completed",
"intent": "order",
"category": [
  {
    "coding": [
      {
        "system": "http://hl7.org/fhir/us/core/CodeSystem/careplan-
category",
        "code": "assess-plan"
      }
    ]
  },
  {
    "coding": [
      {
        "system": "http://snomed.info/sct",
        "code": "385691007",
        "display": "Fracture care"
      }
    ]
  },
  "text": "Fracture care"
}
],
"subject": {
  "reference": "Patient/160595"
},
"encounter": {
  "reference": "Encounter/145"
},
"period": {
  "start": "1946-11-23T01:11:45-05:00",
  "end": "1947-01-22T01:11:45-05:00"
},
"careTeam": [
  {
    "reference": "CareTeam/148"
  }
],
"addresses": [
  {
    "reference": "Condition/146"
  }
],
"activity": [
  {
    "detail": {
      "code": {
```



```
        "coding": [
          {
            "system": "http://snomed.info/sct",
            "code": "183051005",
            "display": "Recommendation to rest"
          }
        ],
        "text": "Recommendation to rest"
      },
      "status": "completed",
      "location": {
        "reference": "Location/2506",
        "display": "Facility Test"
      }
    }
  },
  {
    "detail": {
      "code": {
        "coding": [
          {
            "system": "http://snomed.info/sct",
            "code": "408580007",
            "display": "Physical activity target light exercise"
          }
        ],
        "text": "Physical activity target light exercise"
      },
      "status": "completed",
      "location": {
        "reference": "Location/2506",
        "display": "Facility Test"
      }
    }
  }
]
},
"search": {
  "mode": "match"
}
},
{
  "fullUrl": "https://fhir.qsmartcare.com:2025/v/r4/fhir//CarePlan/160595",
  "resource": {
    "resourceType": "CarePlan",
    "id": "160595",
    "meta": {
      "versionId": "1",
      "lastUpdated": "2021-03-23T19:36:17.299+00:00",
      "source": "#E1VolYkq84D3M96u",
      "profile": [
        "http://hl7.org/fhir/us/core/StructureDefinition/us-core-careplan"
      ]
    },
    "text": {
```



```
    "status": "generated",
    "div": "<div xmlns=\"http://www.w3.org/1999/xhtml\">Care Plan for
Fracture care.<br/>Activities: <ul><li>Fracture care</li><li>Fracture
care</li></ul><br/>Care plan is meant to treat Fracture of clavicle.</div>"
  },
  "status": "completed",
  "intent": "order",
  "category": [
    {
      "coding": [
        {
          "system": "http://hl7.org/fhir/us/core/CodeSystem/careplan-
category",
          "code": "assess-plan"
        }
      ]
    },
    {
      "coding": [
        {
          "system": "http://snomed.info/sct",
          "code": "53950000",
          "display": "Respiratory therapy"
        }
      ],
      "text": "Respiratory therapy"
    }
  ],
  "subject": {
    "reference": "Patient/160595"
  },
  "encounter": {
    "reference": "Encounter/207"
  },
  "period": {
    "start": "1958-12-21T00:11:45-05:00",
    "end": "1959-05-29T01:11:45-04:00"
  },
  "careTeam": [
    {
      "reference": "CareTeam/210"
    }
  ],
  "addresses": [
    {
      "reference": "Condition/208"
    }
  ],
  "activity": [
    {
      "detail": {
        "code": {
          "coding": [
            {
              "system": "http://snomed.info/sct",
```



```
        "code": "304510005",
        "display": "Recommendation to avoid exercise"
    }
    ],
    "text": "Recommendation to avoid exercise"
},
"status": "completed",
"location": {
    "reference": "Location/2506",
    "display": "Facility Test"
}
}
},
{
    "detail": {
        "code": {
            "coding": [
                {
                    "system": "http://snomed.info/sct",
                    "code": "371605008",
                    "display": "Deep breathing and coughing exercises"
                }
            ],
            "text": "Deep breathing and coughing exercises"
        },
        "status": "completed",
        "location": {
            "reference": "Location/2506",
            "display": "Facility Test"
        }
    }
}
]
},
"search": {
    "mode": "match"
}
},
{
    "fullUrl": "https://fhir.qsmartcare.com:2025/v/r4/fhir//CarePlan/160595",
    "resource": {
        "resourceType": "CarePlan",
        "id": "160595",
        "meta": {
            "versionId": "1",
            "lastUpdated": "2021-03-23T19:36:17.299+00:00",
            "source": "#E1VolYkq84D3M96u",
            "profile": [
                "http://hl7.org/fhir/us/core/StructureDefinition/us-core-careplan"
            ]
        },
        "text": {
            "status": "generated",
```



```
"div": "<div xmlns=\"http://www.w3.org/1999/xhtml\">Care Plan for
Fracture care.<br/>Activities: <ul><li>Fracture care</li><li>Fracture
care</li></ul><br/>Care plan is meant to treat Fracture of clavicle.</div>"
},
"status": "completed",
"intent": "order",
"category": [
  {
    "coding": [
      {
        "system": "http://hl7.org/fhir/us/core/CodeSystem/careplan-
category",
        "code": "assess-plan"
      }
    ]
  },
  {
    "coding": [
      {
        "system": "http://snomed.info/sct",
        "code": "736353004",
        "display": "Inpatient care plan (record artifact)"
      }
    ],
    "text": "Inpatient care plan (record artifact)"
  }
],
"subject": {
  "reference": "Patient/160595"
},
"encounter": {
  "reference": "Encounter/301"
},
"period": {
  "start": "1977-03-28T02:25:45-05:00",
  "end": "1977-03-30T03:17:45-05:00"
},
"careTeam": [
  {
    "reference": "CareTeam/306"
  }
],
"addresses": [
  {
    "reference": "Condition/260"
  }
],
"activity": [
  {
    "detail": {
      "code": {
        "coding": [
          {
            "system": "http://snomed.info/sct",
            "code": "385715006",
```




```
        "display": "Cardiac care (regime/therapy)"
      }
    ],
    "text": "Cardiac care (regime/therapy)"
  },
  "status": "completed",
  "location": {
    "reference": "Location/2506",
    "display": "Facility Test"
  }
}
},
{
  "detail": {
    "code": {
      "coding": [
        {
          "system": "http://snomed.info/sct",
          "code": "386619000",
          "display": "Low sodium diet (finding)"
        }
      ],
      "text": "Low sodium diet (finding)"
    },
    "status": "completed",
    "location": {
      "reference": "Location/2506",
      "display": "Facility Test"
    }
  }
}
],
},
"search": {
  "mode": "match"
}
},
{
  "fullUrl": "https://fhir.qsmartcare.com:2025/v/r4/fhir//CarePlan/160595",
  "resource": {
    "resourceType": "CarePlan",
    "id": "160595",
    "meta": {
      "versionId": "1",
      "lastUpdated": "2021-03-23T19:36:17.299+00:00",
      "source": "#E1VolYkq84D3M96u",
      "profile": [
        "http://hl7.org/fhir/us/core/StructureDefinition/us-core-careplan"
      ]
    },
    "text": {
      "status": "generated",
      "div": "<div xmlns=\"http://www.w3.org/1999/xhtml\">Care Plan for Fracture care.<br/>Activities: <ul><li>Fracture care</li><li>Fracture care</li></ul><br/>Care plan is meant to treat Fracture of clavicle.</div>"
    }
  }
}
```



```
    },
    "status": "completed",
    "intent": "order",
    "category": [
      {
        "coding": [
          {
            "system": "http://hl7.org/fhir/us/core/CodeSystem/careplan-
category",
            "code": "assess-plan"
          }
        ]
      },
      {
        "coding": [
          {
            "system": "http://snomed.info/sct",
            "code": "736353004",
            "display": "Inpatient care plan (record artifact)"
          }
        ],
        "text": "Inpatient care plan (record artifact)"
      }
    ],
    "subject": {
      "reference": "Patient/160595"
    },
    "encounter": {
      "reference": "Encounter/277"
    },
    "period": {
      "start": "1975-04-07T02:42:45-04:00",
      "end": "1975-04-08T03:25:45-04:00"
    },
    "careTeam": [
      {
        "reference": "CareTeam/283"
      }
    ],
    "addresses": [
      {
        "reference": "Condition/260"
      }
    ],
    "activity": [
      {
        "detail": {
          "code": {
            "coding": [
              {
                "system": "http://snomed.info/sct",
                "code": "385715006",
                "display": "Cardiac care (regime/therapy)"
              }
            ]
          }
        }
      }
    ],
```



```
        "text": "Cardiac care (regime/therapy)"
      },
      "status": "completed",
      "location": {
        "reference": "Location/2506",
        "display": "Facility Test"
      }
    }
  },
  {
    "detail": {
      "code": {
        "coding": [
          {
            "system": "http://snomed.info/sct",
            "code": "386619000",
            "display": "Low sodium diet (finding)"
          }
        ],
        "text": "Low sodium diet (finding)"
      },
      "status": "completed",
      "location": {
        "reference": "Location/2506",
        "display": "Facility Test"
      }
    }
  ]
},
"search": {
  "mode": "match"
}
},
{
  "fullUrl": "https://fhir.qsmartcare.com:2025/v/r4/fhir//CarePlan/160595",
  "resource": {
    "resourceType": "CarePlan",
    "id": "160595",
    "meta": {
      "versionId": "1",
      "lastUpdated": "2021-03-23T19:36:17.299+00:00",
      "source": "#E1VolYkq84D3M96u",
      "profile": [
        "http://hl7.org/fhir/us/core/StructureDefinition/us-core-careplan"
      ]
    },
    "text": {
      "status": "generated",
      "div": "<div xmlns=\"http://www.w3.org/1999/xhtml\">Care Plan for Fracture care.<br/>Activities: <ul><li>Fracture care</li><li>Fracture care</li></ul><br/>Care plan is meant to treat Fracture of clavicle.</div>"
    },
    "status": "completed",
    "intent": "order",
```



```
"category": [
  {
    "coding": [
      {
        "system": "http://hl7.org/fhir/us/core/CodeSystem/careplan-
category",
        "code": "assess-plan"
      }
    ]
  },
  {
    "coding": [
      {
        "system": "http://snomed.info/sct",
        "code": "53950000",
        "display": "Respiratory therapy"
      }
    ],
    "text": "Respiratory therapy"
  }
],
"subject": {
  "reference": "Patient/160595"
},
"encounter": {
  "reference": "Encounter/231"
},
"period": {
  "start": "1964-02-03T00:17:45-05:00",
  "end": "1965-06-04T01:11:45-04:00"
},
"careTeam": [
  {
    "reference": "CareTeam/234"
  }
],
"addresses": [
  {
    "reference": "Condition/208"
  },
  {
    "reference": "Condition/232"
  }
],
"activity": [
  {
    "detail": {
      "code": {
        "coding": [
          {
            "system": "http://snomed.info/sct",
            "code": "304510005",
            "display": "Recommendation to avoid exercise"
          }
        ]
      }
    }
  }
],
```



```
        "text": "Recommendation to avoid exercise"
      },
      "status": "completed",
      "location": {
        "reference": "Location/2506",
        "display": "Facility Test"
      }
    }
  },
  {
    "detail": {
      "code": {
        "coding": [
          {
            "system": "http://snomed.info/sct",
            "code": "371605008",
            "display": "Deep breathing and coughing exercises"
          }
        ],
        "text": "Deep breathing and coughing exercises"
      },
      "status": "completed",
      "location": {
        "reference": "Location/2506",
        "display": "Facility Test"
      }
    }
  }
],
"search": {
  "mode": "match"
}
},
{
  "fullUrl": "https://fhir.qsmartcare.com:2025/v/r4/fhir//CarePlan/160595",
  "resource": {
    "resourceType": "CarePlan",
    "id": "160595",
    "meta": {
      "versionId": "1",
      "lastUpdated": "2021-03-23T19:36:17.299+00:00",
      "source": "#E1VolYkq84D3M96u",
      "profile": [
        "http://hl7.org/fhir/us/core/StructureDefinition/us-core-careplan"
      ]
    },
    "text": {
      "status": "generated",
      "div": "<div xmlns=\"http://www.w3.org/1999/xhtml\">Care Plan for Fracture care.<br/>Activities: <ul><li>Fracture care</li><li>Fracture care</li></ul><br/>Care plan is meant to treat Fracture of clavicle.</div>"
    },
    "status": "active",
    "intent": "order",
  }
}
```



```
"category": [
  {
    "coding": [
      {
        "system": "http://hl7.org/fhir/us/core/CodeSystem/careplan-
category",
        "code": "assess-plan"
      }
    ]
  },
  {
    "coding": [
      {
        "system": "http://snomed.info/sct",
        "code": "735984001",
        "display": "Heart failure self management plan"
      }
    ],
    "text": "Heart failure self management plan"
  }
],
"subject": {
  "reference": "Patient/160595"
},
"encounter": {
  "reference": "Encounter/263"
},
"period": {
  "start": "1974-04-12T02:42:45-04:00"
},
"careTeam": [
  {
    "reference": "CareTeam/266"
  }
],
"addresses": [
  {
    "reference": "Condition/260"
  }
],
"activity": [
  {
    "detail": {
      "code": {
        "coding": [
          {
            "system": "http://snomed.info/sct",
            "code": "183063000",
            "display": "low salt diet education"
          }
        ],
        "text": "low salt diet education"
      },
      "status": "in-progress",
      "location": {
```



```

        "reference": "Location/103",
        "display": "Facility Test"
    }
}
},
{
    "detail": {
        "code": {
            "coding": [
                {
                    "system": "http://snomed.info/sct",
                    "code": "183301007",
                    "display": "physical exercise"
                }
            ],
            "text": "physical exercise"
        },
        "status": "in-progress",
        "location": {
            "reference": "Location/2506",
            "display": "Facility Test"
        }
    }
}
]
},
"search": {
    "mode": "match"
}
}
]
}

```

Error Handling: In the event of an error, QSmartCare system will respond by supporting below error codes -

Supported HTTP codes:

HTTP Code	Severity	Description	Example
400	Error	Bad request	Invalid Parameters
401	Error	Unauthorized	Invalid Access Token
403	Error	Forbidden	Valid Access Token but not authorized for the requested scope
408	Error	Request time out	Service timed out
500	Error	Internal Server error	Server issue



CareTeam

CareTeam APIs enable users to search for identifying the Care Team members associated with a patient.

CareTeam.read

Http Method:	GET
Url Template:	[baseUrl]/CareTeam/{ID}

CareTeam.search

Http Method:	GET
Url Template:	[baseUrl]/CareTeam?patient={patient}&status={status}

Conformance	Parameter (Combination)	Type	URL
SHALL	patient+status	reference +token	[baseUrl]/CareTeam?patient={patient}&status={status}



Request:

https://fhir.qsmartcare.com:2025/v/r4/sim/eyJrljoiMSlslmoiOilxliwiYil6ljE2MDU5NSJ9/fhir/CareTeam?patient=160595&status=proposed

Response

```
{
  "resourceType": "Bundle",
  "id": "1e0f505b-94cc-4445-ad40-b8550baf7214",
  "meta": {
    "lastUpdated": "2022-11-15T07:47:25+00:00"
  },
  "type": "searchset",
  "total": 0,
  "link": [
    {
      "relation": "self",
      "url":
"https://fhir.qsmartcare.com:2025/v/r4/fhir//CareTeam?patient=160595&status=prop
osed"
    }
  ]
}
```

Error Handling: In the event of an error, QSmartCare system will respond by supporting below error codes -

Supported HTTP codes:

HTTP Code	Severity	Description	Example
400	Error	Bad request	Invalid Parameters
401	Error	Unauthorized	Invalid Access Token
403	Error	Forbidden	Valid Access Token but not authorized for the requested scope
408	Error	Request time out	Service timed out
500	Error	Internal Server error	Server issue



Condition

Condition APIs enable users to search and fetch a list of conditions associated with a patient.

Condition.read

Http Method:	GET
Url Template:	[baseUrl]/Condition/{ID}

Condition.search

Http Method:	GET
Url Template:	[baseUrl]/Condition?patient={patient}&code={code}&onset-date={onset-date}&clinical-status={clinical-status}&category={category}

Conformance	Parameter (Combination)	Type	URL
-------------	-------------------------	------	-----



SHALL	patient	reference	[baseURL]/Condition?patient={patient}
SHOULD	patient+code	reference+token	[baseURL]/Condition?patient={patient}&code={code}
SHOULD	patient+onset-date	reference+date	[baseURL]/Condition?patient={patient}&onset-date={onset-date}
SHOULD	patient+clinical-status	reference+token	[baseURL]/Condition?patient={patient}&clinical-status={clinical-status}
SHOULD	patient+category	reference+token	[baseURL]/Condition?patient={patient}&category={category}

Supported API: QSmartCare APIs are supporting following categories for Condition

Category	Description
problem-list-item	An item on a problem list that can be managed over time and can be expressed by a practitioner (e.g. physician, nurse), patient, or related person.
health-concern	Additional health concerns from other stakeholders which are outside the provider's problem list.
encounter-diagnosis	A point in time diagnosis (e.g. from a physician or nurse) in context of an encounter.

Request:

<https://fhir.qsmartcare.com:2025/v/r4/sim/eyJrIjoMSlsmoiOilxliwiYil6IjE2MDU5NSJ9/fhir/Condition?patient=160595>

Response

```
{
  "resourceType": "Bundle",
  "id": "f9c1be99-7cf1-4d88-b6a2-472db1054e28",
  "meta": {
    "lastUpdated": "2022-11-15T07:47:30+00:00"
  },
  "type": "searchset",
  "total": "4",
  "link": [
    {
      "relation": "self",
      "url":
      "https://fhir.qsmartcare.com:2025/v/r4/fhir//Condition?patient=160595"
    }
  ],
  "entry": [
    {
      "fullUrl": "https://fhir.qsmartcare.com:2025/v/r4/fhir//Condition/160595",
```



```
"resource": {
  "resourceType": "Condition",
  "id": "611432",
  "meta": {
    "versionId": "1",
    "lastUpdated": "2022-11-15T07:47:30+00:00",
    "source": "#E1VolYkq84D3M96u",
    "profile": [
      "http://hl7.org/fhir/us/core/StructureDefinition/us-core-condition"
    ]
  },
  "clinicalStatus": {
    "coding": [
      {
        "system": "http://terminology.hl7.org/CodeSystem/condition-
clinical",
        "code": "resolved"
      }
    ]
  },
  "verificationStatus": {
    "coding": [
      {
        "system": "http://terminology.hl7.org/CodeSystem/condition-ver-
status",
        "code": "confirmed"
      }
    ]
  },
  "category": [
    {
      "coding": [
        {
          "system": "http://terminology.hl7.org/CodeSystem/condition-
category",
          "code": "encounter-diagnosis",
          "display": "Encounter Diagnosis"
        }
      ]
    }
  ],
  "code": {
    "coding": [
      {
        "system": "http://snomed.info/sct",
        "code": "S42222B",
        "display": "2-part displaced fracture of surgical neck of left
humerus, initial encounter for open fracture"
      }
    ],
    "text": "2-part displaced fracture of surgical neck of left humerus,
initial encounter for open fracture"
  },
  "subject": {
    "reference": "Patient/160595"
```



```
    },
    "encounter": {
      "reference": "Encounter/110"
    },
    "onsetDateTime": "2021-10-24T00:00:00+00:00",
    "abatementDateTime": "2021-10-25T00:00:00+00:00",
    "recordedDate": "2021-10-24T00:00:00+00:00"
  },
  "search": {
    "mode": "match"
  }
},
{
  "fullUrl": "https://fhir.qsmartcare.com:2025/v/r4/fhir//Condition/160595",
  "resource": {
    "resourceType": "Condition",
    "id": "611433",
    "meta": {
      "versionId": "1",
      "lastUpdated": "2022-11-15T07:47:30+00:00",
      "source": "#E1VolYkq84D3M96u",
      "profile": [
        "http://hl7.org/fhir/us/core/StructureDefinition/us-core-condition"
      ]
    },
    "clinicalStatus": {
      "coding": [
        {
          "system": "http://terminology.hl7.org/CodeSystem/condition-
clinical",
          "code": "resolved"
        }
      ]
    },
    "verificationStatus": {
      "coding": [
        {
          "system": "http://terminology.hl7.org/CodeSystem/condition-ver-
status",
          "code": "confirmed"
        }
      ]
    },
    "category": [
      {
        "coding": [
          {
            "system": "http://terminology.hl7.org/CodeSystem/condition-
category",
            "code": "encounter-diagnosis",
            "display": "Encounter Diagnosis"
          }
        ]
      }
    ]
  }
},
]
```



```
"code": {
  "coding": [
    {
      "system": "http://snomed.info/sct",
      "code": "S42222G",
      "display": "2-part displaced fracture of surgical neck of left
humerus, subsequent encounter for fracture with delayed healing"
    }
  ],
  "text": "2-part displaced fracture of surgical neck of left humerus,
subsequent encounter for fracture with delayed healing"
},
"subject": {
  "reference": "Patient/160595"
},
"encounter": {
  "reference": "Encounter/110"
},
"onsetDateTime": "2021-10-24T00:00:00+00:00",
"abatementDateTime": "2021-10-25T00:00:00+00:00",
"recordedDate": "2021-10-24T00:00:00+00:00"
},
"search": {
  "mode": "match"
}
},
{
  "fullUrl": "https://fhir.qsmartcare.com:2025/v/r4/fhir//Condition/160595",
  "resource": {
    "resourceType": "Condition",
    "id": "611434",
    "meta": {
      "versionId": "1",
      "lastUpdated": "2022-11-15T07:47:30+00:00",
      "source": "#E1VolYkq84D3M96u",
      "profile": [
        "http://hl7.org/fhir/us/core/StructureDefinition/us-core-condition"
      ]
    },
    "clinicalStatus": {
      "coding": [
        {
          "system": "http://terminology.hl7.org/CodeSystem/condition-
clinical",
          "code": "resolved"
        }
      ]
    },
    "verificationStatus": {
      "coding": [
        {
          "system": "http://terminology.hl7.org/CodeSystem/condition-ver-
status",
          "code": "confirmed"
        }
      ]
    }
  }
}
```



```
]
  },
  "category": [
    {
      "coding": [
        {
          "system": "http://terminology.hl7.org/CodeSystem/condition-
category",
          "code": "encounter-diagnosis",
          "display": "Encounter Diagnosis"
        }
      ]
    }
  ],
  "code": {
    "coding": [
      {
        "system": "http://snomed.info/sct",
        "code": "S42222P",
        "display": "2-part displaced fracture of surgical neck of left
humerus, subsequent encounter for fracture with malunion"
      }
    ],
    "text": "2-part displaced fracture of surgical neck of left humerus,
subsequent encounter for fracture with malunion"
  },
  "subject": {
    "reference": "Patient/160595"
  },
  "encounter": {
    "reference": "Encounter/110"
  },
  "onsetDateTime": "2021-10-24T00:00:00+00:00",
  "abatementDateTime": "2021-10-25T00:00:00+00:00",
  "recordedDate": "2021-10-24T00:00:00+00:00"
},
"search": {
  "mode": "match"
}
},
{
  "fullUrl": "https://fhir.qsmartcare.com:2025/v/r4/fhir//Condition/160595",
  "resource": {
    "resourceType": "Condition",
    "id": "611435",
    "meta": {
      "versionId": "1",
      "lastUpdated": "2022-11-15T07:47:30+00:00",
      "source": "#E1VolYkq84D3M96u",
      "profile": [
        "http://hl7.org/fhir/us/core/StructureDefinition/us-core-condition"
      ]
    },
    "clinicalStatus": {
      "coding": [
```



```
    {
      "system": "http://terminology.hl7.org/CodeSystem/condition-
clinical",
      "code": "resolved"
    }
  ]
},
"verificationStatus": {
  "coding": [
    {
      "system": "http://terminology.hl7.org/CodeSystem/condition-ver-
status",
      "code": "confirmed"
    }
  ]
},
"category": [
  {
    "extension": [
      {
        "url": "http://hl7.org/fhir/StructureDefinition/data-absent-
reason",
        "valueCode": "unknown"
      }
    ]
  }
],
"code": {
  "coding": [
    {
      "system": "http://snomed.info/sct",
      "code": "238131007",
      "display": "Overweight"
    }
  ],
  "text": "Overweight"
},
"subject": {
  "reference": "Patient/160595"
},
"encounter": {
  "reference": "Encounter/219"
},
"onsetDateTime": "2021-10-24T00:00:00+00:00",
"abatementDateTime": "2021-10-25T00:00:00+00:00",
"recordedDate": "2021-10-24T00:00:00+00:00"
},
"search": {
  "mode": "match"
}
}
]
```




Error Handling: In the event of an error, QSmartCare system will respond by supporting below error codes -

Supported HTTP codes:

HTTP Code	Severity	Description	Example
400	Error	Bad request	Invalid Parameters
401	Error	Unauthorized	Invalid Access Token
403	Error	Forbidden	Valid Access Token but not authorized for the requested scope
408	Error	Request time out	Service timed out
500	Error	Internal Server error	Server issue

Implantable Device

Device APIs enable users to search and fetch UDI information associated with a patient's implantable device(s).

Device.read



Http Method:	GET
Url Template:	[baseUrl]/Device/{ID}

Device.search

Http Method:	GET
Url Template:	[baseUrl]/Device?patient={patient}&type={type}

Conformance	Parameter (Combination)	Type	URL
SHALL	patient	reference	[baseUrl]/Device?patient={patient}
SHOULD	patient+type	reference +token	[baseUrl]/Device?patient={patient}&type={type}

Request:

<https://fhir.qsmartcare.com:2025/v/r4/sim/eyJrljoiMSlslmoiOilxliwiYil6ljE2MDU5NSJ9/fhir/Device?patient=160595>

Response

```
{
  "resourceType": "Bundle",
  "id": "b26f1052-1df6-4c3a-8414-b98f4efa543f",
  "meta": {
    "lastUpdated": "2022-11-15T07:47:32+00:00"
  },
  "type": "searchset",
  "total": "2",
  "link": [
    {
      "relation": "self",
      "url": "https://fhir.qsmartcare.com:2025/v/r4/fhir//Device?patient=160595"
    }
  ],
  "entry": [
    {
      "fullUrl": "https://fhir.qsmartcare.com:2025/v/r4/fhir//Device/160595",
      "resource": {
        "resourceType": "Device",
        "id": "18",
        "meta": {
          "versionId": "1",
          "lastUpdated": "2021-03-23T19:36:29.300+00:00",

```



```
    "source": "#iLFSV70Lv0KF8dmQ",
    "profile": [
      "http://hl7.org/fhir/us/core/StructureDefinition/us-core-
      implantable-device"
    ]
  },
  "udiCarrier": [
    {
      "deviceIdentifier": "2566100400",
      "carrierHRF": "00842566100400"
    }
  ],
  "status": "active",
  "distinctIdentifier": "2566100400",
  "manufactureDate": "2000-03-02T18:33:18-05:00",
  "expirationDate": "2025-03-17T19:33:18-04:00",
  "lotNumber": "1134",
  "serialNumber": "0",
  "deviceName": [
    {
      "name": "Intervertebral Fusion Device With Integrated Fixation,
      Cervical, Intervertebral Fusion Device With Bone Graft, Cervical",
      "type": "user-friendly-name"
    }
  ],
  "type": {
    "coding": [
      {
        "system": "http://snomed.info/sct",
        "code": "72506001",
        "display": "Intervertebral Fusion Device With Integrated Fixation,
        Cervical, Intervertebral Fusion Device With Bone Graft, Cervical"
      }
    ],
    "text": "Intervertebral Fusion Device With Integrated Fixation,
    Cervical, Intervertebral Fusion Device With Bone Graft, Cervical"
  },
  "patient": {
    "reference": "Patient/160595"
  }
},
"search": {
  "mode": "match"
}
},
{
  "fullUrl": "https://fhir.qsmartcare.com:2025/v/r4/fhir//Device/160595",
  "resource": {
    "resourceType": "Device",
    "id": "19",
    "meta": {
      "versionId": "1",
      "lastUpdated": "2021-03-23T19:36:29.300+00:00",
      "source": "#iLFSV70Lv0KF8dmQ",
      "profile": [
```



```
    "http://hl7.org/fhir/us/core/StructureDefinition/us-core-implantable-device"
  ]
},
"udiCarrier": [
  {
    "deviceIdentifier": "00643169007222",
    "carrierHRF": "(01)00643169007222(17)160128(21)BLC200461H"
  }
],
"status": "active",
"distinctIdentifier": "00643169007222",
"manufactureDate": "2000-03-02T18:33:18-05:00",
"expirationDate": "2025-03-17T19:33:18-04:00",
"lotNumber": "1134",
"serialNumber": "0",
"deviceName": [
  {
    "name": "Defibrillator, automatic implantable cardioverter, with cardiac resynchronization (CRT-D), Programmer, pacemaker",
    "type": "user-friendly-name"
  }
],
"type": {
  "coding": [
    {
      "system": "http://snomed.info/sct",
      "code": "72506001",
      "display": "Defibrillator, automatic implantable cardioverter, with cardiac resynchronization (CRT-D), Programmer, pacemaker"
    }
  ],
  "text": "Defibrillator, automatic implantable cardioverter, with cardiac resynchronization (CRT-D), Programmer, pacemaker"
},
"patient": {
  "reference": "Patient/160595"
}
},
"search": {
  "mode": "match"
}
}
]
```

Error Handling: In the event of an error, QSmartCare system will respond by supporting below error codes -



Supported HTTP codes:

HTTP Code	Severity	Description	Example
400	Error	Bad request	Invalid Parameters
401	Error	Unauthorized	Invalid Access Token
403	Error	Forbidden	Valid Access Token but not authorized for the requested scope
408	Error	Request time out	Service timed out
500	Error	Internal Server error	Server issue



DiagnosticReport

DiagnosticReport APIs enable users to search and fetch laboratory results and notes associated with a patient.

DiagnosticReport.read

Http Method:	GET
Url Template:	[baseUrl]/DiagnosticReport/{ID}

DiagnosticReport.search

Http Method:	GET
Url Template:	[baseUrl]/DiagnosticReport?patient={patient}&category={category}&date={date}&code={code}&status={status}

Conformance	Parameter (Combination)	Type	URL
SHALL	patient	reference	[baseUrl]/DiagnosticReport?patient={patient}
SHALL	patient+category	reference+token	[baseUrl]/DiagnosticReport?patient={patient}&category={category}
SHALL	patient+category+date	reference+token+date	[baseUrl]/DiagnosticReport?patient={patient}&category={category}&date={date}
SHALL	patient+code	reference+token	[baseUrl]/DiagnosticReport?patient={patient}&code={code}
SHOULD	patient+category+date	reference+token+date	[baseUrl]/DiagnosticReport?patient={patient}&code={code}&date={date}
SHOULD	patient+status	reference+token	[baseUrl]/DiagnosticReport?patient={patient}&status={status}

Request:

<https://fhir.qsmartcare.com:2025/v/r4/sim/eyJrljoiMSIsImoiOilxliwiYil6ljE2MDU5NSJ9/fhir/DiagnosticReport?category=LP29684-5&patient=160595>



Response

```
{
  "resourceType": "Bundle",
  "id": "1f2b37dc-2644-40ab-8ab4-f3164d4daee9",
  "meta": {
    "lastUpdated": "2022-11-15T07:47:33+00:00"
  },
  "type": "searchset",
  "total": 7,
  "link": [
    {
      "relation": "self",
      "url":
      "https://fhir.qsmartcare.com:2025/v/r4/fhir//DiagnosticReport?category=LP29684-5&patient=160595"
    }
  ],
  "entry": [
    {
      "fullUrl":
      "https://fhir.qsmartcare.com:2025/v/r4/fhir//DiagnosticReport/160595",
      "resource": {
        "resourceType": "DiagnosticReport",
        "id": "160595",
        "meta": {
          "versionId": "1",
          "lastUpdated": "2021-03-23T19:36:17.299+00:00",
          "source": "#E1VolYkq84D3M96u",
          "profile": [
            "http://hl7.org/fhir/us/core/StructureDefinition/us-core-diagnosticreport-note"
          ]
        },
        "status": "final",
        "category": [
          {
            "coding": [
              {
                "system": "http://loinc.org",
                "code": "LP29684-5",
                "display": "Radiology"
              }
            ],
            "text": "Radiology"
          }
        ],
        "code": {
          "coding": [
            {
              "system": "http://loinc.org",
              "code": "28570-0",
              "display": "Procedure note"
            }
          ]
        }
      }
    }
  ]
}
```



```
    }
  ],
  "text": "Procedure note"
},
"subject": {
  "reference": "Patient/160595"
},
"encounter": {
  "reference": "Encounter/219"
},
"effectiveDateTime": "1958-05-23T01:11:45-04:00",
"issued": "1958-05-23T01:11:45.131-04:00",
"performer": [
  {
    "reference": "Practitioner/290",
    "display": "Poovarasan D111"
  }
],
"presentedForm": [
  {
    "contentType": "text/plain",
    "data": "VGVzdCA="
  }
]
},
"search": {
  "mode": "match"
}
},
{
  "fullUrl":
  "https://fhir.qsmartcare.com:2025/v/r4/fhir//DiagnosticReport/160595",
  "resource": {
    "resourceType": "DiagnosticReport",
    "id": "160595",
    "meta": {
      "versionId": "1",
      "lastUpdated": "2021-03-23T19:36:17.299+00:00",
      "source": "#E1VolYkq84D3M96u",
      "profile": [
        "http://hl7.org/fhir/us/core/StructureDefinition/us-core-
diagnosticreport-note"
      ]
    },
    "status": "final",
    "category": [
      {
        "coding": [
          {
            "system": "http://loinc.org",
            "code": "LP29684-5",
            "display": "Radiology"
          }
        ],
        "text": "Radiology"
      }
    ]
  }
}
```




```
    }
  ],
  "code": {
    "coding": [
      {
        "system": "http://loinc.org",
        "code": "11506-3",
        "display": "Progress note"
      }
    ],
    "text": "Progress note"
  },
  "subject": {
    "reference": "Patient/160595"
  },
  "encounter": {
    "reference": "Encounter/96"
  },
  "effectiveDateTime": "1958-05-23T01:11:45-04:00",
  "issued": "1958-05-23T01:11:45.131-04:00",
  "performer": [
    {
      "reference": "Practitioner/290",
      "display": "Poovarasan D111"
    }
  ],
  "presentedForm": [
    {
      "contentType": "text/plain",
      "data": "VGVzdCA="
    }
  ]
},
"search": {
  "mode": "match"
}
}
]
```

Error Handling: In the event of an error, QSmartCare system will respond by supporting below error codes -

Supported HTTP codes:

HTTP Code	Severity	Description	Example
400	Error	Bad request	Invalid Parameters
401	Error	Unauthorized	Invalid Access Token



403	Error	Forbidden	Valid Access Token but not authorized for the requested scope
408	Error	Request time out	Service timed out
500	Error	Internal Server error	Server issue

DocumentReference

DocumentReference APIs enable users for searching and fetching patient documents including Clinical Notes.

Documentreference.read

Http Method:	GET
Url Template:	[baseUrl]/DocumentReference/{ID}

DocumentReference.search



Http Method:	GET
Url Template:	[baseUrl]/DocumentReference?_id={id}&patient={patient}&status={status}&category={category}&date={date}&type={type}&period={date}

Conformance	Parameter (Combination)	Type	URL
SHALL	_id	token	[baseUrl]/DocumentReference?_id={id}
SHALL	patient	reference	[baseUrl]/DocumentReference?patient={patient}
SHALL	patient+category	reference+token	[baseUrl]/DocumentReference?patient={patient}&category={category}
SHALL	patient+category+date	reference+token+date	[baseUrl]/DocumentReference?patient={patient}&category={category}&date={date}
SHALL	patient+type	reference+token	[baseUrl]/DocumentReference?patient={patient}&type={type}
SHOULD	patient+type+period	reference+token+date	[baseUrl]/DocumentReference?patient={patient}&type={type}&period={period}
SHOULD	patient+status	reference+token	[baseUrl]/DocumentReference?patient={patient}&status={status}

Request:

<https://fhir.qsmartcare.com:2025/v/r4/sim/eyJrljoiMSlslmoiOilxliwiYil6ljE2MDU5NSJ9/fhir/DocumentReference?patient=160595>

Response

```
{
  "resourceType": "Bundle",
  "id": "55dacb87-b60a-42cb-8fae-90b57398500c",
  "meta": {
    "lastUpdated": "2022-11-15T07:47:48+00:00"
  },
  "type": "searchset",
  "total": 10,
  "link": [
    {
      "relation": "self",
      "url":
"https://fhir.qsmartcare.com:2025/v/r4/fhir//DocumentReference?patient=160595"
    }
  ]
}
```



```
    }
  ],
  "entry": [
    {
      "fullUrl":
"https://fhir.qsmartcare.com:2025/v/r4/fhir//DocumentReference/160595",
      "resource": {
        "resourceType": "DocumentReference",
        "id": "767",
        "meta": {
          "versionId": "1",
          "lastUpdated": "2022-11-10T11:06:07+00:00",
          "source": "#iLFSV70Lv0KF8dmQ",
          "profile": [
            "http://hl7.org/fhir/us/core/StructureDefinition/us-core-
documentreference"
          ]
        },
        "identifier": [
          {
            "system": "urn:ietf:rfc:3986",
            "value": "urn:uuid:39345668-54a0-e9fc-0462-2412a3a80e06"
          }
        ],
        "status": "superseded",
        "type": {
          "coding": [
            {
              "system": "http://loinc.org",
              "code": "28570-0",
              "display": "Procedure note"
            }
          ],
          "text": "Procedure note"
        },
        "category": [
          {
            "coding": [
              {
                "system": "http://hl7.org/fhir/us/core/CodeSystem/us-core-
documentreference-category",
                "code": "clinical-note",
                "display": "Clinical Note"
              }
            ]
          }
        ],
        "subject": {
          "reference": "Patient/160595"
        },
        "date": "2018-10-04T19:33:18.715-04:00",
        "author": [
          {
            "reference": "Practitioner/290",
            "display": "Poovarasan D111"
          }
        ]
      }
    }
  ]
}
```



```
    }
  ],
  "custodian": {
    "reference": "Organization/2506",
    "display": "Facility Test"
  },
  "content": [
    {
      "attachment": {
        "contentType": "application/pdf",
        "url":
"https://www.w3.org/WAI/ER/tests/xhtml/testfiles/resources/pdf/dummy.pdf"
      },
      "format": {
        "system":
"http://ihe.net/fhir/ValueSet/IHE.FormatCode.codesystem",
        "code": "urn:ihe:iti:xds:2017:mimeTypeSufficient",
        "display": "mimeType Sufficient"
      }
    }
  ],
  "context": {
    "encounter": [
      {
        "reference": "Encounter/763"
      }
    ],
    "period": {
      "start": "2022-10-07T00:00:00+00:00",
      "end": "2022-10-07T00:00:00+00:00"
    }
  },
  "search": {
    "mode": "match"
  }
},
{
  "fullUrl":
"https://fhir.qsmartcare.com:2025/v/r4/fhir//DocumentReference/160595",
  "resource": {
    "resourceType": "DocumentReference",
    "id": "612",
    "meta": {
      "versionId": "1",
      "lastUpdated": "2022-11-10T11:06:07+00:00",
      "source": "#iLFSV70Lv0KF8dmQ",
      "profile": [
        "http://hl7.org/fhir/us/core/StructureDefinition/us-core-
documentreference"
      ]
    },
    "identifier": [
      {
        "system": "urn:ietf:rfc:3986",
```



```
    "value": "urn:uuid:8300c2c2-b4cc-bab0-5386-064f28707290"
  }
],
"status": "superseded",
"type": {
  "coding": [
    {
      "system": "http://loinc.org",
      "code": "11504-8",
      "display": "Surgical operation note"
    }
  ],
  "text": "Surgical operation note"
},
"category": [
  {
    "coding": [
      {
        "system": "http://hl7.org/fhir/us/core/CodeSystem/us-core-
documentreference-category",
        "code": "clinical-note",
        "display": "Clinical Note"
      }
    ]
  }
],
"subject": {
  "reference": "Patient/160595"
},
"date": "1991-05-02T19:33:18.715-04:00",
"author": [
  {
    "reference": "Practitioner/290",
    "display": "Poovarasan D111"
  }
],
"custodian": {
  "reference": "Organization/2506",
  "display": "Facility Test"
},
"content": [
  {
    "attachment": {
      "contentType": "text/plain",
      "data": "Test "
    },
    "format": {
      "system":
"http://ihe.net/fhir/ValueSet/IHE.FormatCode.codesystem",
      "code": "urn:ihe:iti:xds:2017:mimeTypeSufficient",
      "display": "mimeType Sufficient"
    }
  }
],
"context": {
```



```
    "encounter": [
      {
        "reference": "Encounter/608"
      }
    ],
    "period": {
      "start": "2022-10-07T00:00:00+00:00",
      "end": "2022-10-07T00:00:00+00:00"
    }
  },
  "search": {
    "mode": "match"
  }
},
{
  "fullUrl":
  "https://fhir.qsmartcare.com:2025/v/r4/fhir//DocumentReference/160595",
  "resource": {
    "resourceType": "DocumentReference",
    "id": "704",
    "meta": {
      "versionId": "1",
      "lastUpdated": "2022-11-10T11:06:07+00:00",
      "source": "#iLFSV70Lv0KF8dmQ",
      "profile": [
        "http://hl7.org/fhir/us/core/StructureDefinition/us-core-
documentreference"
      ]
    },
    "identifier": [
      {
        "system": "urn:ietf:rfc:3986",
        "value": "urn:uuid:9e61f82e-b7df-e4a4-1107-4c42b08d3239"
      }
    ],
    "status": "superseded",
    "type": {
      "coding": [
        {
          "system": "http://loinc.org",
          "code": "11488-4",
          "display": "Consultation note"
        }
      ],
      "text": "Consultation note"
    },
    "category": [
      {
        "coding": [
          {
            "system": "http://hl7.org/fhir/us/core/CodeSystem/us-core-
documentreference-category",
            "code": "clinical-note",
            "display": "Clinical Note"
          }
        ]
      }
    ]
  }
}
```



```
    }
  ]
}
],
"subject": {
  "reference": "Patient/160595"
},
"date": "2008-08-07T19:33:18.715-04:00",
"author": [
  {
    "reference": "Practitioner/290",
    "display": "Poovarasan D111"
  }
],
"custodian": {
  "reference": "Organization/2506",
  "display": "Facility Test"
},
"content": [
  {
    "attachment": {
      "contentType": "text/plain",
      "data": "Test "
    },
    "format": {
      "system":
"http://ihe.net/fhir/ValueSet/IHE.FormatCode.codesystem",
      "code": "urn:ihe:iti:xds:2017:mimeTypeSufficient",
      "display": "mimeType Sufficient"
    }
  }
],
"context": {
  "encounter": [
    {
      "reference": "Encounter/701"
    }
  ],
  "period": {
    "start": "2022-10-07T00:00:00+00:00",
    "end": "2022-10-07T00:00:00+00:00"
  }
}
},
"search": {
  "mode": "match"
}
},
{
  "fullUrl":
"https://fhir.qsmartcare.com:2025/v/r4/fhir//DocumentReference/160595",
  "resource": {
    "resourceType": "DocumentReference",
    "id": "364",
    "meta": {
```




```
"versionId": "1",
"lastUpdated": "2022-11-10T11:06:07+00:00",
"source": "#iLFSV70Lv0KF8dmQ",
"profile": [
  "http://hl7.org/fhir/us/core/StructureDefinition/us-core-
documentreference"
]
},
"identifier": [
  {
    "system": "urn:ietf:rfc:3986",
    "value": "urn:uuid:7ebc730b-cf18-f4ae-cba6-19527911a3da"
  }
],
"status": "superseded",
"type": {
  "coding": [
    {
      "system": "http://loinc.org",
      "code": "11488-4",
      "display": "Consultation note"
    }
  ],
  "text": "Consultation note"
},
"category": [
  {
    "coding": [
      {
        "system": "http://hl7.org/fhir/us/core/CodeSystem/us-core-
documentreference-category",
        "code": "clinical-note",
        "display": "Clinical Note"
      }
    ]
  }
],
"subject": {
  "reference": "Patient/160595"
},
"date": "1940-09-05T19:33:18.715-04:00",
"author": [
  {
    "reference": "Practitioner/290",
    "display": "Poovarasan D111"
  }
],
"custodian": {
  "reference": "Organization/2506",
  "display": "Facility Test"
},
"content": [
  {
    "attachment": {
      "contentType": "text/plain",
```



```
        "data": "Test "
      },
      "format": {
        "system":
"http://ihe.net/fhir/ValueSet/IHE.FormatCode.codesystem",
        "code": "urn:ihe:iti:xds:2017:mimeTypeSufficient",
        "display": "mimeType Sufficient"
      }
    ]
  },
  "context": {
    "encounter": [
      {
        "reference": "Encounter/360"
      }
    ],
    "period": {
      "start": "2022-10-07T00:00:00+00:00",
      "end": "2022-10-07T00:00:00+00:00"
    }
  }
},
"search": {
  "mode": "match"
}
},
{
  "fullUrl":
"https://fhir.qsmartcare.com:2025/v/r4/fhir//DocumentReference/160595",
  "resource": {
    "resourceType": "DocumentReference",
    "id": "762",
    "meta": {
      "versionId": "1",
      "lastUpdated": "2022-11-10T11:06:07+00:00",
      "source": "#iLFSV70Lv0KF8dmQ",
      "profile": [
        "http://hl7.org/fhir/us/core/StructureDefinition/us-core-
documentreference"
      ]
    },
    "identifier": [
      {
        "system": "urn:ietf:rfc:3986",
        "value": "urn:uuid:d547d7bd-daf1-e161-d809-546d04fe5f32"
      }
    ],
    "status": "superseded",
    "type": {
      "coding": [
        {
          "system": "http://loinc.org",
          "code": "34117-2",
          "display": "History and physical note"
        }
      ]
    }
  }
}
```



```
    ],
    "text": "History and physical note"
  },
  "category": [
    {
      "coding": [
        {
          "system": "http://hl7.org/fhir/us/core/CodeSystem/us-core-
documentreference-category",
          "code": "clinical-note",
          "display": "Clinical Note"
        }
      ]
    }
  ]
},
"subject": {
  "reference": "Patient/160595"
},
"date": "2018-02-28T19:55:18.715-05:00",
"author": [
  {
    "reference": "Practitioner/290",
    "display": "Poovarasan D111"
  }
],
"custodian": {
  "reference": "Organization/2506",
  "display": "Facility Test"
},
"content": [
  {
    "attachment": {
      "contentType": "text/plain",
      "data": "Test "
    },
    "format": {
      "system":
"http://ihe.net/fhir/ValueSet/IHE.FormatCode.codesystem",
      "code": "urn:ihe:iti:xds:2017:mimeTypeSufficient",
      "display": "mimeType Sufficient"
    }
  }
],
"context": {
  "encounter": [
    {
      "reference": "Encounter/756"
    }
  ],
  "period": {
    "start": "2022-10-07T00:00:00+00:00",
    "end": "2022-10-07T00:00:00+00:00"
  }
}
},
```



```
"search": {
  "mode": "match"
},
{
  "fullUrl":
"https://fhir.qsmartcare.com:2025/v/r4/fhir//DocumentReference/160595",
  "resource": {
    "resourceType": "DocumentReference",
    "id": "689",
    "meta": {
      "versionId": "1",
      "lastUpdated": "2022-11-10T11:06:07+00:00",
      "source": "#iLFSV70Lv0KF8dmQ",
      "profile": [
        "http://hl7.org/fhir/us/core/StructureDefinition/us-core-
documentreference"
      ]
    },
    "identifier": [
      {
        "system": "urn:ietf:rfc:3986",
        "value": "urn:uuid:828f04d4-094a-5d5d-c875-6929c5f72f4b"
      }
    ],
    "status": "superseded",
    "type": {
      "coding": [
        {
          "system": "http://loinc.org",
          "code": "11504-8",
          "display": "Surgical operation note"
        }
      ],
      "text": "Surgical operation note"
    },
    "category": [
      {
        "coding": [
          {
            "system": "http://hl7.org/fhir/us/core/CodeSystem/us-core-
documentreference-category",
            "code": "clinical-note",
            "display": "Clinical Note"
          }
        ]
      }
    ],
    "subject": {
      "reference": "Patient/160595"
    },
    "date": "2007-08-02T19:33:18.715-04:00",
    "author": [
      {
        "reference": "Practitioner/290",
```



```
        "display": "Poovarasan D111"
      }
    ],
    "custodian": {
      "reference": "Organization/2506",
      "display": "Facility Test"
    },
    "content": [
      {
        "attachment": {
          "contentType": "text/plain",
          "data": "Test "
        },
        "format": {
          "system":
"http://ihe.net/fhir/ValueSet/IHE.FormatCode.codesystem",
          "code": "urn:ihe:iti:xds:2017:mimeTypeSufficient",
          "display": "mimeType Sufficient"
        }
      }
    ],
    "context": {
      "encounter": [
        {
          "reference": "Encounter/686"
        }
      ],
      "period": {
        "start": "2022-10-07T00:00:00+00:00",
        "end": "2022-10-07T00:00:00+00:00"
      }
    },
    "search": {
      "mode": "match"
    }
  },
  {
    "fullUrl":
"https://fhir.qsmartcare.com:2025/v/r4/fhir//DocumentReference/160595",
    "resource": {
      "resourceType": "DocumentReference",
      "id": "685",
      "meta": {
        "versionId": "1",
        "lastUpdated": "2022-11-10T11:06:07+00:00",
        "source": "#iLFSV70Lv0KF8dmQ",
        "profile": [
          "http://hl7.org/fhir/us/core/StructureDefinition/us-core-
documentreference"
        ]
      },
      "identifier": [
        {
          "system": "urn:ietf:rfc:3986",
```



```
    "value": "urn:uuid:7021fafe-e1b4-636b-1c3b-ff046636ae66"
  }
],
"status": "superseded",
"type": {
  "coding": [
    {
      "system": "http://loinc.org",
      "code": "57133-1",
      "display": "Referral note"
    }
  ],
  "text": "Referral note"
},
"category": [
  {
    "coding": [
      {
        "system": "http://hl7.org/fhir/us/core/CodeSystem/us-core-
documentreference-category",
        "code": "clinical-note",
        "display": "Clinical Note"
      }
    ]
  }
],
"subject": {
  "reference": "Patient/160595"
},
"date": "2006-10-27T21:51:18.715-04:00",
"author": [
  {
    "reference": "Practitioner/290",
    "display": "Poovarasan D111"
  }
],
"custodian": {
  "reference": "Organization/2506",
  "display": "Facility Test"
},
"content": [
  {
    "attachment": {
      "contentType": "text/plain",
      "data": "Test "
    },
    "format": {
      "system":
"http://ihe.net/fhir/ValueSet/IHE.FormatCode.codesystem",
      "code": "urn:ihe:iti:xds:2017:mimeTypeSufficient",
      "display": "mimeType Sufficient"
    }
  }
],
"context": {
```



```
    "encounter": [
      {
        "reference": "Encounter/682"
      }
    ],
    "period": {
      "start": "2022-10-07T00:00:00+00:00",
      "end": "2022-10-07T00:00:00+00:00"
    }
  },
  "search": {
    "mode": "match"
  }
},
{
  "fullUrl":
  "https://fhir.qsmartcare.com:2025/v/r4/fhir//DocumentReference/160595",
  "resource": {
    "resourceType": "DocumentReference",
    "id": "640",
    "meta": {
      "versionId": "1",
      "lastUpdated": "2022-11-10T11:06:07+00:00",
      "source": "#iLFSV70Lv0KF8dmQ",
      "profile": [
        "http://hl7.org/fhir/us/core/StructureDefinition/us-core-
documentreference"
      ]
    },
    "identifier": [
      {
        "system": "urn:ietf:rfc:3986",
        "value": "urn:uuid:2aa5e0ce-9549-5832-6195-837cc85438c4"
      }
    ],
    "status": "superseded",
    "type": {
      "coding": [
        {
          "system": "http://loinc.org",
          "code": "11488-4",
          "display": "Consultation note"
        }
      ],
      "text": "Consultation note"
    },
    "category": [
      {
        "coding": [
          {
            "system": "http://hl7.org/fhir/us/core/CodeSystem/us-core-
documentreference-category",
            "code": "clinical-note",
            "display": "Clinical Note"
          }
        ]
      }
    ]
  }
}
```



```
    }
  ]
}
],
"subject": {
  "reference": "Patient/160595"
},
"date": "1999-04-01T18:33:18.715-05:00",
"author": [
  {
    "reference": "Practitioner/290",
    "display": "Poovarasan D111"
  }
],
"custodian": {
  "reference": "Organization/2506",
  "display": "Facility Test"
},
"content": [
  {
    "attachment": {
      "contentType": "text/plain",
      "data": "Test "
    },
    "format": {
      "system":
"http://ihe.net/fhir/ValueSet/IHE.FormatCode.codesystem",
      "code": "urn:ihe:iti:xds:2017:mimeTypeSufficient",
      "display": "mimeType Sufficient"
    }
  }
],
"context": {
  "encounter": [
    {
      "reference": "Encounter/638"
    }
  ],
  "period": {
    "start": "2022-10-07T00:00:00+00:00",
    "end": "2022-10-07T00:00:00+00:00"
  }
}
},
"search": {
  "mode": "match"
}
},
{
  "fullUrl":
"https://fhir.qsmartcare.com:2025/v/r4/fhir//DocumentReference/160595",
  "resource": {
    "resourceType": "DocumentReference",
    "id": "644",
    "meta": {
```




```
"versionId": "1",
"lastUpdated": "2022-11-10T11:06:07+00:00",
"source": "#iLFSV70Lv0KF8dmQ",
"profile": [
  "http://hl7.org/fhir/us/core/StructureDefinition/us-core-
documentreference"
]
},
"identifier": [
  {
    "system": "urn:ietf:rhc:3986",
    "value": "urn:uuid:d0da63fd-f329-7626-bff5-4bd4269e1854"
  }
],
"status": "superseded",
"type": {
  "coding": [
    {
      "system": "http://loinc.org",
      "code": "18842-5",
      "display": "Discharge summary"
    }
  ],
  "text": "Discharge summary"
},
"category": [
  {
    "coding": [
      {
        "system": "http://hl7.org/fhir/us/core/CodeSystem/us-core-
documentreference-category",
        "code": "clinical-note",
        "display": "Clinical Note"
      }
    ]
  }
],
"subject": {
  "reference": "Patient/160595"
},
"date": "1999-03-28T18:33:18.715-05:00",
"author": [
  {
    "reference": "Practitioner/290",
    "display": "Poovarasan D111"
  }
],
"custodian": {
  "reference": "Organization/2506",
  "display": "Facility Test"
},
"content": [
  {
    "attachment": {
      "contentType": "text/plain",
```



```
        "data": "Test "
      },
      "format": {
        "system":
"http://ihe.net/fhir/ValueSet/IHE.FormatCode.codesystem",
        "code": "urn:ihe:iti:xds:2017:mimeTypeSufficient",
        "display": "mimeType Sufficient"
      }
    ]
  },
  "context": {
    "encounter": [
      {
        "reference": "Encounter/641"
      }
    ],
    "period": {
      "start": "2022-10-07T00:00:00+00:00",
      "end": "2022-10-07T00:00:00+00:00"
    }
  }
},
"search": {
  "mode": "match"
}
},
{
  "fullUrl":
"https://fhir.qsmartcare.com:2025/v/r4/fhir//DocumentReference/160595",
  "resource": {
    "resourceType": "DocumentReference",
    "id": "575",
    "meta": {
      "versionId": "1",
      "lastUpdated": "2022-11-10T11:06:07+00:00",
      "source": "#iLFSV70Lv0KF8dmQ",
      "profile": [
        "http://hl7.org/fhir/us/core/StructureDefinition/us-core-
documentreference"
      ]
    },
    "identifier": [
      {
        "system": "urn:ietf:rfc:3986",
        "value": "urn:uuid:0fd4ebab-1828-49c1-44cc-2410c0cb60f8"
      }
    ],
    "status": "superseded",
    "type": {
      "coding": [
        {
          "system": "http://loinc.org",
          "code": "11506-3",
          "display": "Progress note"
        }
      ]
    }
  }
}
```



```
    ],
    "text": "Progress note"
  },
  "category": [
    {
      "coding": [
        {
          "system": "http://hl7.org/fhir/us/core/CodeSystem/us-core-
documentreference-category",
          "code": "clinical-note",
          "display": "Clinical Note"
        }
      ]
    }
  ]
},
"subject": {
  "reference": "Patient/160595"
},
"date": "1979-02-22T18:33:18.715-05:00",
"author": [
  {
    "reference": "Practitioner/290",
    "display": "Poovarasan D111"
  }
],
"custodian": {
  "reference": "Organization/2506",
  "display": "Facility Test"
},
"content": [
  {
    "attachment": {
      "contentType": "text/plain",
      "data": "Test "
    },
    "format": {
      "system":
"http://ihe.net/fhir/ValueSet/IHE.FormatCode.codesystem",
      "code": "urn:ihe:iti:xds:2017:mimeTypeSufficient",
      "display": "mimeType Sufficient"
    }
  }
],
"context": {
  "encounter": [
    {
      "reference": "Encounter/571"
    }
  ],
  "period": {
    "start": "2022-10-07T00:00:00+00:00",
    "end": "2022-10-07T00:00:00+00:00"
  }
}
},
```



```
"search": {  
  "mode": "match"  
}  
}
```

Error Handling: In the event of an error, QSmartCare system will respond by supporting below error codes -

Supported HTTP codes:

HTTP Code	Severity	Description	Example
400	Error	Bad request	Invalid Parameters
401	Error	Unauthorized	Invalid Access Token
403	Error	Forbidden	Valid Access Token but not authorized for the requested scope
408	Error	Request time out	Service timed out
500	Error	Internal Server error	Server issue

Goal

Goal APIs enable users to search and fetch Goal information associated with a patient.

Goal.read

Http Method:	GET
Url Template:	[baseUrl]/Goal/{ID}



Goal.search

Http Method:	GET
Url Template:	[baseUrl]/Goal?patient={patient}&target-date={date}&lifecycle-status={lifecycle-status}

Conformance	Parameter (Combination)	Type	URL
SHALL	patient	reference	[baseUrl]/Goal?patient={patient}
SHOULD	patient+target-date	reference +date	[baseUrl]/Goal?patient={patient}&target-date={target-date}
SHOULD	patient+lifecycle-status	reference +token	[baseUrl]/Goal?patient={patient}&status={lifecycle-status}

Request:

<https://fhir.qsmartcare.com:2025/v/r4/sim/eyJrIjojMSIsImoiOilxliwiYil6IjE2MDU5NSJ9/fhir/Goal?patient=160595>

Response

```
{
  "resourceType": "Bundle",
  "id": "175ce71d-f366-4c7b-b509-62a17aa212bb",
  "meta": {
    "lastUpdated": "2022-11-15T07:47:54+00:00"
  },
  "type": "searchset",
  "total": 1,
  "link": [
    {
      "relation": "self",
      "url": "https://fhir.qsmartcare.com:2025/v/r4/fhir//Goal?patient=160595"
    }
  ],
  "entry": [
    {
      "fullUrl": "https://fhir.qsmartcare.com:2025/v/r4/fhir//Goal/160595",
      "resource": {
        "resourceType": "Goal",
        "id": "1836",
        "meta": {
          "versionId": "1",
          "lastUpdated": "2022-11-15T07:47:54+00:00",
          "source": "#iLFSV70Lv0KF8dmQ",
          "profile": [
            "http://hl7.org/fhir/us/core/StructureDefinition/us-core-goal"
          ]
        }
      }
    }
  ]
}
```



```
    },
    "lifecycleStatus": "active",
    "description": {
      "coding": [
        {
          "system": "http://snomed.info/sct",
          "code": "Q5311",
          "display": "Abdominal testis, unilateral"
        }
      ],
      "text": "Abdominal testis, unilateral"
    },
    "subject": {
      "reference": "Patient/160595"
    },
    "target": [
      {
        "dueDate": "2022-10-09"
      }
    ]
  },
  "search": {
    "mode": "match"
  }
}
]
```

Error Handling: In the event of an error, QSmartCare system will respond by supporting below error codes -

Supported HTTP codes:

HTTP Code	Severity	Description	Example
400	Error	Bad request	Invalid Parameters
401	Error	Unauthorized	Invalid Access Token
403	Error	Forbidden	Valid Access Token but not authorized for the requested scope
408	Error	Request time out	Service timed out
500	Error	Internal Server error	Server issue



Immunization

Immunization APIs enable users to search and fetch immunization history associated with a patient.

Immunization.read



Http Method:	GET
Url Template:	[baseUrl]/Immunization/{ID}

Immunization.search

Http Method:	GET
Url Template:	[baseUrl]/Immunization?patient={patient}&date={date}&status={status}

Conformance	Parameter (Combination)	Type	URL
SHALL	patient	reference	[baseUrl]/Immunization?patient={patient}
SHOULD	patient+status	reference +token	[baseUrl]/Immunization?patient={patient}&status={status}
SHOULD	patient+date	reference +date	[baseUrl]/Immunization?patient={patient}&date={date}

Request:

<https://fhir.qsmartcare.com:2025/v/r4/sim/eyJrIjoiMSIsImoiOilxliwiYiI6IjE2MDU5NSJ9/fhir/Immunization?patient=160595>

Response

```
{
  "resourceType": "Bundle",
  "id": "a3302316-de76-42b5-9c27-82f10ca5269d",
  "meta": {
    "lastUpdated": "2022-11-15T07:47:56+00:00"
  },
  "type": "searchset",
  "total": "1",
  "link": [
    {
      "relation": "self",
      "url":
"https://fhir.qsmartcare.com:2025/v/r4/fhir//Immunization?patient=160595"
    }
  ],
  "entry": [
    {
```




```
"fullUrl":
"https://fhir.qsmartcare.com:2025/v/r4/fhir//Immunization/160595",
"resource": {
  "resourceType": "Immunization",
  "id": "748",
  "meta": {
    "versionId": "1",
    "lastUpdated": "2022-10-10T15:20:24+00:00",
    "source": "#E1VolYkq84D3M96u",
    "profile": [
      "http://hl7.org/fhir/us/core/StructureDefinition/us-core-
immunization"
    ]
  },
  "status": "completed",
  "statusReason": {
    "coding": [
      {
        "system": "http://terminology.hl7.org/CodeSystem/v3-ActReason",
        "code": "OSTOCK",
        "display": "product out of stock"
      }
    ],
    "text": "product out of stock"
  },
  "vaccineCode": {
    "coding": [
      {
        "system": "http://hl7.org/fhir/sid/cvx",
        "code": "24",
        "display": "Anthrax "
      }
    ],
    "text": "Anthrax "
  },
  "patient": {
    "reference": "Patient/160595"
  },
  "encounter": {
    "reference": "Encounter/169"
  },
  "occurrenceDateTime": "2022-10-10",
  "primarySource": true,
  "location": {
    "reference": "Location/2506",
    "display": "Facility Test"
  }
},
"search": {
  "mode": "match"
}
]
}
```



Error Handling: In the event of an error, QSmartCare system will respond by supporting below error codes -

Supported HTTP codes:

HTTP Code	Severity	Description	Example
400	Error	Bad request	Invalid Parameters
401	Error	Unauthorized	Invalid Access Token
403	Error	Forbidden	Valid Access Token but not authorized for the requested scope
408	Error	Request time out	Service timed out
500	Error	Internal Server error	Server issue



MedicalRequest

MedicationRequest APIs enable users to search and fetch patient's medication prescription or order.

MedicalRequest.read

Http Method:	GET
Url Template:	[baseUrl]/MedicationRequest/{ID}

MedicalRequest.search

Http Method:	GET
Url Template:	[baseUrl]/MedicationRequest?patient={patient}&intent={intent}&status={status}&encounter={encounter}&authoredon={authoredon}

Conformance	Parameter (Combination)	Type	URL
SHALL	patient+intent	reference+token	[baseUrl]/MedicationRequest?patient={patient}&intent={intent}
SHALL	patient+intent+status	reference+token+token	[baseUrl]/MedicationRequest?patient={patient}&intent={intent}&status={status}
SHOULD	patient+intent+encounter	reference+token+reference	[baseUrl]/MedicationRequest?patient={patient}&intent={intent}&encounter={encounter}
SHOULD	patient+intent+authoredon	reference+token+reference	[baseUrl]/MedicationRequest?patient={patient}&intent={intent}&authoredon={authoredon}

Request:

<https://fhir.qsmartcare.com:2025/v/r4/sim/eyJrIjojMSIsImoiOiIiYiI6IjE2MDU5NSJ9/fhir/MedicationRequest?intent=proposal&patient=160595>

Response

```
{
```



```
"resourceType": "Bundle",
"id": "ad1535c1-0a19-4bd4-ad28-3573fb73b8b3",
"meta": {
  "lastUpdated": "2022-11-15T07:47:58+00:00"
},
"type": "searchset",
"total": 0,
"link": [
  {
    "relation": "self",
    "url":
"https://fhir.qsmartcare.com:2025/v/r4/fhir//MedicationRequest?intent=proposal&p
atient=160595"
  }
]
}
```

Error Handling: In the event of an error, QSmartCare system will respond by supporting below error codes -

Supported HTTP codes:

HTTP Code	Severity	Description	Example
400	Error	Bad request	Invalid Parameters
401	Error	Unauthorized	Invalid Access Token
403	Error	Forbidden	Valid Access Token but not authorized for the requested scope
408	Error	Request time out	Service timed out
500	Error	Internal Server error	Server issue



Observation

Observation APIs enable users to search for identifying the smokers associated with a patient.

Observation.read

Http Method:	GET
Url Template:	[baseUrl]/Observation/{ID}

Observation.search

Http Method:	GET
Url Template:	[baseUrl]/Observation?patient={patient}&status={status}

Conformance	Parameter (Combination)	Type	URL
SHALL	patient + code	reference +token	[baseUrl]/Observation?patient=Patient/[id]
SHALL	patient + category + date	reference +token+date	[baseUrl]/Observation?patient={patient}&category={category}&date={date}
SHALL	patient + category	reference +token	[baseUrl]/Observation?patient={patient}&category={category}



SHOULD	patient+code+date	reference+token+date	[baseUrl]/Observation?patient={patient}&code={code}&date={date}
SHOULD	patient+category+status	reference+token+token	[baseUrl]/Observation?patient={patient}&category={category}&status={status}

Supported API: QSmartCare APIs are supporting following categories for Observation

Category	Description
social-history	The status of a patient's tobacco use. This could be used to determine if the patient is a current or former tobacco user, what type of tobacco product is/was used, and the dates the patient started and, if a former user, stopped using tobacco.
vital-signs	This will retrieve vital sign data from a patient's chart. Clinical observations measure the body's basic functions such as blood pressure, heart rate, respiratory rate, height, weight, body mass index, head circumference, pulse oximetry, temperature, and body surface area.
Laboratory Result	The results of observations generated by laboratories. Laboratory results are typically generated by laboratories providing analytic services in areas such as chemistry, hematology, serology, histology, cytology, anatomic pathology (including digital pathology), microbiology, and/or virology. These observations are based on analysis of specimens obtained from the patient and submitted to the laboratory.

Request:

<https://fhir.qsmartcare.com:2025/v/r4/sim/eyJrIjoiMSIsImoiOiIiIiwiaWYiOiI6IjE2MDU5NSJ9/fhir/Observation?code=72166-2&patient=160595>

Response

```
{
  "resourceType": "Bundle",
  "id": "ffa48d82-819d-4bf8-bff9-71c5db516c3d",
  "meta": {
```



```
"lastUpdated": "2022-09-19T05:42:37.804+00:00"
},
"type": "searchset",
"total": 1,
"link": [
  {
    "relation": "self",
    "url":
"https://fhir.qsmartcare.com:2025/v/r4/fhir//Observation?code=72166-
2&patient=160595"
  }
],
"entry": [
  {
    "fullUrl":
"https://fhir.qsmartcare.com:2025/v/r4/fhir//Observation/160595",
    "resource": {
      "resourceType": "Observation",
      "id": "160595",
      "meta": {
        "versionId": "1",
        "lastUpdated": "2021-03-23T19:36:29.300+00:00",
        "source": "#iLFSV70Lv0KF8dmQ",
        "profile": [
          "http://hl7.org/fhir/us/core/StructureDefinition/us-core-
smokingstatus"
        ]
      },
      "status": "final",
      "category": [
        {
          "coding": [
            {
              "system": "http://terminology.hl7.org/CodeSystem/observation-
category",
              "code": "survey",
              "display": "survey"
            }
          ]
        }
      ],
      "code": {
        "coding": [
          {
            "system": "http://loinc.org",
            "code": "72166-2",
            "display": "Tobacco smoking status NHIS"
          }
        ]
      },
      "text": "Tobacco smoking status NHIS"
    },
    "subject": {
      "reference": "Patient/160595"
    },
    "encounter": {
```



```

    "reference": "Encounter/712"
  },
  "effectiveDateTime": "2010-08-19T19:33:18-04:00",
  "issued": "2010-08-19T19:33:18.715-04:00",
  "valueCodeableConcept": {
    "coding": [
      {
        "system": "http://snomed.info/sct",
        "code": "266919005",
        "display": "Never Smoked"
      }
    ],
    "text": "Never Smoked"
  }
},
"search": {
  "mode": "match"
}
}
]
}

```

Error Handling: In the event of an error, QSmartCare system will respond by supporting below error codes -

Supported HTTP codes:

HTTP Code	Severity	Description	Example
400	Error	Bad request	Invalid Parameters
401	Error	Unauthorized	Invalid Access Token
403	Error	Forbidden	Valid Access Token but not authorized for the requested scope
408	Error	Request time out	Service timed out
500	Error	Internal Server error	Server issue



ProcedureTest

Procedure APIs enable users to search and fetch procedures associated with a patient.

Procedure.read

Http Method:	GET
Url Template:	[baseUrl]/Procedure/{ID}

Procedure.search

Http Method:	GET
Url Template:	[baseUrl]/Procedure?patient={patient}



	&date={date}&code={code}&status={status}
--	--

Conformance	Parameter (Combination)	Type	URL
SHALL	patient	reference	[baseUrl]/Procedure?patient={patient}
SHALL	patient+date	reference+date	[baseUrl]/Procedure?patient={patient}&date={date}
SHOULD	patient+code+date	reference+token+date	[baseUrl]/Procedure?patient={patient}&code={code}&date={date}
SHOULD	patient+status	reference+token	[baseUrl]/Procedure?patient={patient}&status={status}

Request:

<https://fhir.qsmartcare.com:2025/v/r4/sim/eyJrIjoiMSIsImoiOilxliwiYil6IjE2MDU5NSJ9/fhir/Procedure?patient=160595>

Response

```
{
  "resourceType": "Bundle",
  "id": "d2722660-97bd-40ae-b581-662dc7bb6b34",
  "meta": {
    "lastUpdated": "2022-09-19T05:42:39.232+00:00"
  },
  "type": "searchset",
  "total": 20,
  "link": [
    {
      "relation": "self",
      "url":
      "https://fhir.qsmartcare.com:2025/v/r4/fhir//Procedure/?patient=160595"
    },
    {
      "relation": "next",
      "url":
      "https://fhir.qsmartcare.com:2025/v/r4/fhir//Procedure/?_revinclude=Provenance:target&patient=160595"
    }
  ],
  "entry": [
    {
      "fullUrl": "https://fhir.qsmartcare.com:2025/v/r4/fhir//Procedure/160595",
      "resource": {
        "resourceType": "Procedure",

```



```
"id": "274",
"meta": {
  "versionId": "1",
  "lastUpdated": "2021-03-23T19:36:17.299+00:00",
  "source": "#E1VolYkq84D3M96u",
  "profile": [
    "http://hl7.org/fhir/us/core/StructureDefinition/us-core-procedure"
  ]
},
"status": "completed",
"code": {
  "coding": [
    {
      "system": "http://snomed.info/sct",
      "code": "15831",
      "display": "Abdominal lipectomy"
    }
  ],
  "text": "Abdominal lipectomy"
},
"subject": {
  "reference": "Patient/160595"
},
"encounter": {
  "reference": "Encounter/273"
},
"performedPeriod": {
  "start": "1975-04-07T02:42:45-04:00",
  "end": "1975-04-07T03:12:45-04:00"
},
"location": {
  "reference": "Location/2506",
  "display": "Facility Test"
}
},
"search": {
  "mode": "match"
}
},
{
  "fullUrl": "https://fhir.qsmartcare.com:2025/v/r4/fhir//Procedure/160595",
  "resource": {
    "resourceType": "Procedure",
    "id": "274",
    "meta": {
      "versionId": "1",
      "lastUpdated": "2021-03-23T19:36:17.299+00:00",
      "source": "#E1VolYkq84D3M96u",
      "profile": [
        "http://hl7.org/fhir/us/core/StructureDefinition/us-core-procedure"
      ]
    },
    "status": "completed",
    "code": {
      "coding": [
```



```
{
  {
    "system": "http://snomed.info/sct",
    "code": "49080",
    "display": "Abdominal paracentesis/peritoneal lavage"
  }
},
"text": "Abdominal paracentesis/peritoneal lavage"
},
"subject": {
  "reference": "Patient/160595"
},
"encounter": {
  "reference": "Encounter/273"
},
"performedPeriod": {
  "start": "1975-04-07T02:42:45-04:00",
  "end": "1975-04-07T03:12:45-04:00"
},
"location": {
  "reference": "Location/2506",
  "display": "Facility Test"
}
},
"search": {
  "mode": "match"
}
},
{
  "fullUrl": "https://fhir.qsmartcare.com:2025/v/r4/fhir//Procedure/160595",
  "resource": {
    "resourceType": "Procedure",
    "id": "274",
    "meta": {
      "versionId": "1",
      "lastUpdated": "2021-03-23T19:36:17.299+00:00",
      "source": "#E1VolYkq84D3M96u",
      "profile": [
        "http://hl7.org/fhir/us/core/StructureDefinition/us-core-procedure"
      ]
    },
    "status": "completed",
    "code": {
      "coding": [
        {
          "system": "http://snomed.info/sct",
          "code": "416118004",
          "display": "Administration (procedure)"
        }
      ]
    },
    "text": "Administration (procedure)"
  },
  "subject": {
    "reference": "Patient/160595"
  },
  "encounter": {
```



```
"reference": "Encounter/273"
},
"performedPeriod": {
  "start": "1975-04-07T02:42:45-04:00",
  "end": "1975-04-07T03:12:45-04:00"
},
"location": {
  "reference": "Location/2506",
  "display": "Facility Test"
}
},
"search": {
  "mode": "match"
}
},
{
  "fullUrl": "https://fhir.qsmartcare.com:2025/v/r4/fhir//Procedure/160595",
  "resource": {
    "resourceType": "Procedure",
    "id": "274",
    "meta": {
      "versionId": "1",
      "lastUpdated": "2021-03-23T19:36:17.299+00:00",
      "source": "#E1VolYkq84D3M96u",
      "profile": [
        "http://hl7.org/fhir/us/core/StructureDefinition/us-core-procedure"
      ]
    },
    "status": "completed",
    "code": {
      "coding": [
        {
          "system": "http://snomed.info/sct",
          "code": "26672100",
          "display": "Absent response to treatment situation"
        }
      ],
      "text": "Absent response to treatment situation"
    },
    "subject": {
      "reference": "Patient/160595"
    },
    "encounter": {
      "reference": "Encounter/273"
    },
    "performedPeriod": {
      "start": "1975-04-07T02:42:45-04:00",
      "end": "1975-04-07T03:12:45-04:00"
    },
    "location": {
      "reference": "Location/2506",
      "display": "Facility Test"
    }
  },
  "search": {
```



```
    "mode": "match"  
  }  
}  
]  
}
```

Error Handling: In the event of an error, QSmartCare system will respond by supporting below error codes -

Supported HTTP codes:

HTTP Code	Severity	Description	Example
400	Error	Bad request	Invalid Parameters
401	Error	Unauthorized	Invalid Access Token
403	Error	Forbidden	Valid Access Token but not authorized for the requested scope
408	Error	Request time out	Service timed out
500	Error	Internal Server error	Server issue



Encounter

Encounter APIs enable users to search and fetch basic encounter information for an individual patient.

Encounter.read

Http Method:	GET
Url Template:	[baseUrl]/Encounter/{ID}

Encounter.search

Http Method:	GET
Url Template:	[baseUrl]/Encounter?&_id={id}&patient={patient}&status={status}&category={category}&date={date}&type={type}&period={date}

Conformance	Parameter (Combination)	Type	URL
SHALL	_id	token	[baseUrl]/Encounter?_id={id}
SHALL	patient	reference	[baseUrl]/Encounter?patient={patient}
SHALL	patient+date	reference +date	[baseUrl]/Encounter?patient={patient}&category={category}
SHOULD	identifier	token	[baseUrl]/Encounter?id={identifier}
SHOULD	patient+status	reference +token	[baseUrl]/Encounter?patient={patient}&status={status}
SHOULD	patient+class	reference +token	[baseUrl]/Encounter?patient={patient}&class={class}
SHOULD	patient+status	reference +token	[baseUrl]/Encounter?patient={patient}&type={type}

Request:

<https://fhir.qsmartcare.com:2025/v/r4/sim/eyJrljoiMSIsImoiOilxliwiYiI6IjE2MDU5NSJ9/fhir/Encounter/219>

Response

```
{
```



```
"resourceType": "Encounter",
"id": "219",
"meta": {
  "versionId": "1",
  "lastUpdated": "2022-11-15T07:52:04+00:00",
  "source": "#iLFSV70Lv0KF8dmQ",
  "profile": [
    "http://hl7.org/fhir/us/core/StructureDefinition/us-core-encounter"
  ]
},
"identifier": [
  {
    "use": "official",
    "system": "https://github.com/synthetichealth/synthea",
    "value": "9d4e1390-f9cb-097a-c28f-37d34f14fe83"
  }
],
"status": "finished",
"class": {
  "system": "http://terminology.hl7.org/CodeSystem/v3-ActCode",
  "code": "AMB"
},
"type": [
  {
    "coding": [
      {
        "system": "http://snomed.info/sct",
        "code": "162673000",
        "display": "General examination of patient (procedure)"
      }
    ],
    "text": "General examination of patient (procedure)"
  }
],
"subject": {
  "reference": "Patient/160595",
  "display": "BarryTesla"
},
"participant": [
  {
    "type": [
      {
        "coding": [
          "system": "http://terminology.hl7.org/CodeSystem/v3-ParticipationType",
          "code": "PPRF",
          "display": "primary performer"
        ]
      }
    ],
    "text": "primary performer"
  }
],
"period": {
  "start": "2022-10-07T11:33:40+00:00",
```




```
        "end": "2022-11-10T11:06:07+00:00"
      },
      "individual": {
        "reference": "Practitioner/290",
        "display": "Poovarasan DPoovarasan D"
      }
    }
  ],
  "period": {
    "start": "2022-10-07T11:33:40+00:00",
    "end": "2022-11-10T11:06:07+00:00"
  },
  "reasonCode": [
    {
      "coding": [
        {
          "system": "http://snomed.info/sct",
          "code": "10509002",
          "display": "Acute bronchitis (disorder)"
        }
      ]
    }
  ],
  "hospitalization": {
    "dischargeDisposition": {
      "coding": [
        {
          "system": "http://www.nubc.org/patient-discharge",
          "code": "01",
          "display": "Discharged to home care or self care (routine discharge)"
        }
      ]
    },
    "text": "Discharged to home care or self care (routine discharge)"
  }
},
"location": [
  {
    "location": {
      "reference": "Location/356",
      "display": "PCP170967"
    }
  }
],
"serviceProvider": {
  "reference": "Organization/357",
  "display": "PCP170967"
}
}
```

Error Handling: In the event of an error, QSmartCare system will respond by supporting below error codes -

Supported HTTP codes:



HTTP Code	Severity	Description	Example
400	Error	Bad request	Invalid Parameters
401	Error	Unauthorized	Invalid Access Token
403	Error	Forbidden	Valid Access Token but not authorized for the requested scope
408	Error	Request time out	Service timed out
500	Error	Internal Server error	Server issue



Organization

Organization APIs enable users for searching and fetching Organization associated with a patient or provider.

Organization.read

Http Method:	GET
Url Template:	[baseUrl]/Organization/{ID}

Organization.search

Http Method:	GET
Url Template:	[baseUrl]/Organization?name={name}&address={address}

Conformance	Parameter (Combination)	Type	URL
SHALL	name	string	[baseUrl]/Organization?name={name}
SHALL	address	string	[baseUrl]/Organization?address={address}

Request:

<https://fhir.qsmartcare.com:2025/v/r4/sim/eyJrljoiMSIsImoiOilxliwiYil6jE2MDU5NSJ9/fhir/Organization/357>

Response

{ "resourceType": "Organization",



```
"id": "357",
"meta": {
  "versionId": "1",
  "lastUpdated": "2022-11-15T07:52:12+00:00",
  "source": "#iLFSV70Lv0KF8dmQ",
  "profile": [
    "http://hl7.org/fhir/us/core/StructureDefinition/us-core-organization"
  ]
},
"identifier": [
  {
    "system": "https://github.com/synthetichealth/synthea",
    "value": "c7459800-e42b-3144-a934-59585c9eacff"
  },
  {
    "system": "http://hl7.org/fhir/sid/us-npi",
    "value": "9999999999"
  },
  {
    "system": "urn:oid:2.16.840.1.113883.4.7",
    "value": "9999999999"
  }
],
"active": true,
"type": [
  {
    "coding": [
      {
        "system": "http://terminology.hl7.org/CodeSystem/organization-type",
        "code": "prov",
        "display": "Healthcare Provider"
      }
    ]
  },
  {
    "text": "Healthcare Provider"
  }
],
"name": "PCP170967",
"telecom": [
  {
    "system": "phone",
    "value": "(123) 456-7898"
  }
],
"address": [
  {
    "line": [
      "105 NE 11th Avenue"
    ],
    "city": "Aurora",
    "state": "Colorado",
    "postalCode": "334-35",
    "country": "United States of America"
  }
]
}
```



Error Handling: In the event of an error, QSmartCare system will respond by supporting below error codes -

Supported HTTP codes:

HTTP Code	Severity	Description	Example
400	Error	Bad request	Invalid Parameters
401	Error	Unauthorized	Invalid Access Token
403	Error	Forbidden	Valid Access Token but not authorized for the requested scope
408	Error	Request time out	Service timed out
500	Error	Internal Server error	Server issue

Practitioner

Practitioner APIs enable users to search and fetch basic demographics and other administrative information about an individual practitioner.

Practitioner.read

Http Method:	GET
Url Template:	[baseUrl]/Practitioner/{ID}

Practitioner.search

Http Method:	GET
Url Template:	[baseUrl]/Practitioner?name={name}&identifier={identifier}

Conformance	Parameter (Combination)	Type	URL
SHALL	name	string	[baseUrl]/Practitioner?name={name}
SHALL	identifier	token	[baseUrl]/Practitioner?identifier={identifier}



Request:

https://fhir.qsmartcare.com:2025/v/r4/sim/eyJrIjojMSIsImoiOilxliwiYiI6IjE2MDU5NSJ9/fhir/Practitioner/358

Response

```
{
  "resourceType": "Practitioner",
  "id": "358",
  "meta": {
    "versionId": "1",
    "lastUpdated": "2022-11-15T07:52:13+00:00",
    "source": "#iLFSV70Lv0KF8dmQ",
    "profile": [
      "http://hl7.org/fhir/us/core/StructureDefinition/us-core-practitioner"
    ]
  },
  "identifier": [
    {
      "system": "http://hl7.org/fhir/sid/us-npi",
      "value": "9999999889"
    }
  ],
  "active": true,
  "name": [
    {
      "family": "Poovarasan D111",
      "given": [
        "Poovarasan D111"
      ],
      "prefix": [
        "Dr."
      ]
    }
  ],
  "telecom": [
    {
      "extension": [
        {
          "url": "http://hl7.org/fhir/us/core/StructureDefinition/us-core-direct",
          "valueBoolean": true
        }
      ],
      "system": "email",
      "value": "oupoovarasan0107@gmail.com",
      "use": "work"
    }
  ],
  "address": [
    {
      "line": [
        "test1234 htp"
      ]
    }
  ],
}
```



```

    "city": "Alessandraside",
    "state": "Arkansas",
    "postalCode": "111-11",
    "country": "Austria"
  }
],
"gender": "male"
}

```

Error Handling: In the event of an error, QSmartCare system will respond by supporting below error codes -

Supported HTTP codes:

HTTP Code	Severity	Description	Example
400	Error	Bad request	Invalid Parameters
401	Error	Unauthorized	Invalid Access Token
403	Error	Forbidden	Valid Access Token but not authorized for the requested scope
408	Error	Request time out	Service timed out
500	Error	Internal Server error	Server issue

Provenance

Provenance APIs enable users to search and fetch Provenance information associated with a record.

Provenance.read

Http Method:	GET
Url Template:	[baseUrl]/Provenance/{ID}

Conformance	Parameter (Combination)	Type	URL
SHALL	patient+_reinclude	reference	[baseUrl]/[Resource]?patient=[patient]&_reinclude=Provenance:target
SHALL	_id+_reinclude		[baseUrl]/[Resource]?_id=[id]&_reinclude=Provenance:target



Request:

https://fhir.qsmartcare.com:2025/v/r4/sim/eyJrljoiMSIsImoiOilxliwiYil6ljE2MDU5NSJ9/fhir/Provenance/792

Response

```
{
  "resourceType": "Provenance",
  "id": "792",
  "meta": {
    "versionId": "1",
    "lastUpdated": "2021-03-23T19:36:17.299+00:00",
    "source": "#E1Vo1Ykq84D3M96u",
    "profile": [
      "http://hl7.org/fhir/us/core/StructureDefinition/us-core-provenance"
    ]
  },
  "target": [
    {
      "reference": "Patient/85"
    },
    {
      "reference": "Location/86"
    },
    {
      "reference": "Organization/87"
    },
    {
      "reference": "Practitioner/88"
    },
    {
      "reference": "PractitionerRole/89"
    },
    {
      "reference": "Encounter/90"
    },
    {
      "reference": "Observation/91"
    },
    {
      "reference": "Encounter/92"
    },
    {
      "reference": "Observation/93"
    },
    {
      "reference": "Encounter/94"
    },
    {
      "reference": "Observation/95"
    },
    {
      "reference": "Encounter/96"
    }
  ]
}
```




```
{
  "reference": "Observation/97"
},
{
  "reference": "Procedure/98"
},
{
  "reference": "DiagnosticReport/99"
},
{
  "reference": "DocumentReference/100"
},
{
  "reference": "Encounter/101"
},
{
  "reference": "Observation/102"
},
{
  "reference": "Location/103"
},
{
  "reference": "Organization/104"
},
{
  "reference": "Practitioner/105"
},
{
  "reference": "PractitionerRole/106"
},
{
  "reference": "Encounter/107"
},
{
  "reference": "Condition/108"
},
{
  "reference": "MedicationRequest/109"
},
{
  "reference": "Encounter/110"
},
{
  "reference": "Condition/111"
},
{
  "reference": "Encounter/112"
},
{
  "reference": "Observation/113"
},
{
  "reference": "DiagnosticReport/114"
},
{
```



```
"reference": "DocumentReference/115"
},
{
  "reference": "Encounter/116"
},
{
  "reference": "Observation/117"
},
{
  "reference": "DiagnosticReport/118"
},
{
  "reference": "DocumentReference/119"
},
{
  "reference": "Encounter/120"
},
{
  "reference": "Observation/121"
},
{
  "reference": "Procedure/122"
},
{
  "reference": "DiagnosticReport/123"
},
{
  "reference": "DocumentReference/124"
},
{
  "reference": "Encounter/125"
},
{
  "reference": "Observation/126"
},
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  "reference": "Procedure/127"
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{
  "reference": "DiagnosticReport/128"
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{
  "reference": "DocumentReference/129"
},
{
  "reference": "Encounter/130"
},
{
  "reference": "Observation/131"
},
{
  "reference": "Encounter/132"
},
{
  "reference": "Observation/133"
```



```
    },  
    {  
      "reference": "Procedure/134"  
    },  
    {  
      "reference": "Encounter/135"  
    },  
    {  
      "reference": "Observation/136"  
    },  
    {  
      "reference": "Encounter/137"  
    },  
    {  
      "reference": "Observation/138"  
    },  
    {  
      "reference": "Encounter/139"  
    },  
    {  
      "reference": "Observation/140"  
    },  
    {  
      "reference": "Immunization/141"  
    },  
    {  
      "reference": "Encounter/142"  
    },  
    {  
      "reference": "Observation/143"  
    },  
    {  
      "reference": "Immunization/144"  
    },  
    {  
      "reference": "Encounter/145"  
    },  
    {  
      "reference": "Condition/146"  
    },  
    {  
      "reference": "MedicationRequest/147"  
    },  
    {  
      "reference": "CareTeam/148"  
    },  
    {  
      "reference": "CarePlan/149"  
    },  
    {  
      "reference": "Encounter/150"  
    },  
    {  
      "reference": "DiagnosticReport/151"  
    },  
  },  
}
```



```
{
  "reference": "DocumentReference/152"
},
{
  "reference": "Encounter/153"
},
{
  "reference": "Observation/154"
},
{
  "reference": "DiagnosticReport/155"
},
{
  "reference": "DocumentReference/156"
},
{
  "reference": "Encounter/157"
},
{
  "reference": "Condition/158"
},
{
  "reference": "MedicationRequest/159"
},
{
  "reference": "MedicationRequest/160"
},
{
  "reference": "DiagnosticReport/161"
},
{
  "reference": "DocumentReference/162"
},
{
  "reference": "Encounter/163"
},
{
  "reference": "Observation/164"
},
{
  "reference": "Encounter/165"
},
{
  "reference": "Observation/166"
},
{
  "reference": "DiagnosticReport/167"
},
{
  "reference": "DocumentReference/168"
},
{
  "reference": "Encounter/169"
},
{
```



```
"reference": "Observation/170"  
},  
{  
  "reference": "Immunization/171"  
},  
{  
  "reference": "Encounter/172"  
},  
{  
  "reference": "Observation/173"  
},  
{  
  "reference": "Immunization/174"  
},  
{  
  "reference": "Encounter/175"  
},  
{  
  "reference": "Condition/176"  
},  
{  
  "reference": "Observation/177"  
},  
{  
  "reference": "MedicationRequest/178"  
},  
{  
  "reference": "DiagnosticReport/179"  
},  
{  
  "reference": "DocumentReference/180"  
},  
{  
  "reference": "Encounter/181"  
},  
{  
  "reference": "Observation/182"  
},  
{  
  "reference": "Immunization/183"  
},  
{  
  "reference": "Encounter/184"  
},  
{  
  "reference": "Observation/185"  
},  
{  
  "reference": "Immunization/186"  
},  
{  
  "reference": "Encounter/187"  
},  
{  
  "reference": "Observation/188"
```



```
    },
    {
      "reference": "Immunization/189"
    },
    {
      "reference": "DiagnosticReport/190"
    },
    {
      "reference": "DocumentReference/191"
    },
    {
      "reference": "Encounter/192"
    },
    {
      "reference": "Observation/193"
    },
    {
      "reference": "Immunization/194"
    },
    {
      "reference": "Encounter/195"
    },
    {
      "reference": "Observation/196"
    },
    {
      "reference": "DiagnosticReport/197"
    },
    {
      "reference": "DocumentReference/198"
    },
    {
      "reference": "Encounter/199"
    },
    {
      "reference": "Observation/200"
    },
    {
      "reference": "Immunization/201"
    },
    {
      "reference": "Encounter/202"
    },
    {
      "reference": "Observation/203"
    },
    {
      "reference": "Immunization/204"
    },
    {
      "reference": "DiagnosticReport/205"
    },
    {
      "reference": "DocumentReference/206"
    },
  ],
```



```
{
  "reference": "Encounter/207"
},
{
  "reference": "Condition/208"
},
{
  "reference": "MedicationRequest/209"
},
{
  "reference": "CareTeam/210"
},
{
  "reference": "CarePlan/211"
},
{
  "reference": "DiagnosticReport/212"
},
{
  "reference": "DocumentReference/213"
},
{
  "reference": "Encounter/214"
},
{
  "reference": "Observation/215"
},
{
  "reference": "Immunization/216"
},
{
  "reference": "DiagnosticReport/217"
},
{
  "reference": "DocumentReference/218"
},
{
  "reference": "Encounter/219"
},
{
  "reference": "Condition/220"
},
{
  "reference": "DiagnosticReport/221"
},
{
  "reference": "DocumentReference/222"
},
{
  "reference": "Encounter/223"
},
{
  "reference": "Observation/224"
},
{
```



```
"reference": "Procedure/225"  
},  
{  
  "reference": "Immunization/226"  
},  
{  
  "reference": "DiagnosticReport/227"  
},  
{  
  "reference": "DocumentReference/228"  
},  
{  
  "reference": "Encounter/229"  
},  
{  
  "reference": "Condition/230"  
},  
{  
  "reference": "Encounter/231"  
},  
{  
  "reference": "Condition/232"  
},  
{  
  "reference": "MedicationRequest/233"  
},  
{  
  "reference": "CareTeam/234"  
},  
{  
  "reference": "CarePlan/235"  
},  
{  
  "reference": "DiagnosticReport/236"  
},  
{  
  "reference": "DocumentReference/237"  
},  
{  
  "reference": "Encounter/238"  
},  
{  
  "reference": "Observation/239"  
},  
{  
  "reference": "Immunization/240"  
},  
{  
  "reference": "Encounter/241"  
},  
{  
  "reference": "Observation/242"  
},  
{  
  "reference": "Immunization/243"
```




```
    },  
    {  
      "reference": "Encounter/244"  
    },  
    {  
      "reference": "Observation/245"  
    },  
    {  
      "reference": "Procedure/246"  
    },  
    {  
      "reference": "Immunization/247"  
    },  
    {  
      "reference": "Encounter/248"  
    },  
    {  
      "reference": "Condition/249"  
    },  
    {  
      "reference": "Encounter/250"  
    },  
    {  
      "reference": "Condition/251"  
    },  
    {  
      "reference": "Encounter/252"  
    },  
    {  
      "reference": "Observation/253"  
    },  
    {  
      "reference": "Immunization/254"  
    },  
    {  
      "reference": "DiagnosticReport/255"  
    },  
    {  
      "reference": "DocumentReference/256"  
    },  
    {  
      "reference": "Encounter/257"  
    },  
    {  
      "reference": "Condition/258"  
    },  
    {  
      "reference": "Encounter/259"  
    },  
    {  
      "reference": "Condition/260"  
    },  
    {  
      "reference": "Procedure/261"  
    },  
  },  
}
```



```
{
  "reference": "Procedure/262"
},
{
  "reference": "Encounter/263"
},
{
  "reference": "Procedure/264"
},
{
  "reference": "MedicationRequest/265"
},
{
  "reference": "CareTeam/266"
},
{
  "reference": "CarePlan/267"
},
{
  "reference": "Encounter/268"
},
{
  "reference": "Observation/269"
},
{
  "reference": "MedicationRequest/270"
},
{
  "reference": "Immunization/271"
},
{
  "reference": "Encounter/272"
},
{
  "reference": "Encounter/273"
},
{
  "reference": "Procedure/274"
},
{
  "reference": "DiagnosticReport/275"
},
{
  "reference": "DocumentReference/276"
},
{
  "reference": "Encounter/277"
},
{
  "reference": "Observation/278"
},
{
  "reference": "Procedure/279"
},
{
```



```
"reference": "Procedure/280"  
},  
{  
  "reference": "Medication/281"  
},  
{  
  "reference": "MedicationRequest/282"  
},  
{  
  "reference": "CareTeam/283"  
},  
{  
  "reference": "CarePlan/284"  
},  
{  
  "reference": "Encounter/285"  
},  
{  
  "reference": "Observation/286"  
},  
{  
  "reference": "MedicationRequest/287"  
},  
{  
  "reference": "Immunization/288"  
},  
{  
  "reference": "Encounter/289"  
},  
{  
  "reference": "Encounter/290"  
},  
{  
  "reference": "Procedure/291"  
},  
{  
  "reference": "Encounter/292"  
},  
{  
  "reference": "Observation/293"  
},  
{  
  "reference": "MedicationRequest/294"  
},  
{  
  "reference": "Immunization/295"  
},  
{  
  "reference": "Encounter/296"  
},  
{  
  "reference": "Procedure/297"  
},  
{  
  "reference": "Encounter/298"
```



```
    },
    {
      "reference": "Procedure/299"
    },
    {
      "reference": "Procedure/300"
    },
    {
      "reference": "Encounter/301"
    },
    {
      "reference": "Procedure/302"
    },
    {
      "reference": "Procedure/303"
    },
    {
      "reference": "Procedure/304"
    },
    {
      "reference": "Procedure/305"
    },
    {
      "reference": "CareTeam/306"
    },
    {
      "reference": "CarePlan/307"
    },
    {
      "reference": "Encounter/308"
    },
    {
      "reference": "Observation/309"
    },
    {
      "reference": "MedicationRequest/310"
    },
    {
      "reference": "Immunization/311"
    },
    {
      "reference": "Observation/315"
    }
  ],
  "recorded": "1977-07-15T01:11:45.131-04:00",
  "agent": [
    {
      "type": {
        "coding": [
          {
            "system": "http://terminology.hl7.org/CodeSystem/provenance-
participant-type",
            "code": "author",
            "display": "Author"
          }
        ]
      }
    }
  ]
}
```



```

    ],
    "text": "Author"
  },
  "who": {
    "reference": "Practitioner/88",
    "display": "Poovarasan D111"
  },
  "onBehalfOf": {
    "reference": "Organization/87",
    "display": "PCP87052"
  }
},
{
  "type": {
    "coding": [
      {
        "system": "http://hl7.org/fhir/us/core/CodeSystem/us-core-
provenance-participant-type",
        "code": "transmitter",
        "display": "Transmitter"
      }
    ],
    "text": "Transmitter"
  },
  "who": {
    "reference": "Practitioner/88",
    "display": "Poovarasan D111"
  },
  "onBehalfOf": {
    "reference": "Organization/87",
    "display": "PCP87052"
  }
}
]
}

```

Error Handling: In the event of an error, QSmartCare system will respond by supporting below error codes -

Supported HTTP codes:

HTTP Code	Severity	Description	Example
400	Error	Bad request	Invalid Parameters
401	Error	Unauthorized	Invalid Access Token
403	Error	Forbidden	Valid Access Token but not authorized for the requested scope
408	Error	Request time out	Service timed out
500	Error	Internal Server error	Server issue



ClinicalNote

Clinical Notes APIs enable users to search for DocumentReference types and DiagnosticReport categories associated with a patient.

ClinicalNotes.read

Http Method:	GET
Url Template:	[baseUrl]/DocumentReference/{ID}

ClinicalNotes.search

Http Method:	GET
Url Template:	[baseUrl]/ DocumentReference?patient={patient}



Request:

<https://fhir.qsmartcare.com:2025/v/r4/sim/eyJrljoiMSIsImoiOilxliwiYiI6IjE2MDU5NSJ9/fhir/DocumentReference?patient=160595>

Response

```
{
  "resourceType": "Bundle",
  "id": "55dacb87-b60a-42cb-8fae-90b57398500c",
  "meta": {
    "lastUpdated": "2022-11-15T07:52:17+00:00"
  },
  "type": "searchset",
  "total": 10,
  "link": [
    {
      "relation": "self",
      "url":
"https://fhir.qsmartcare.com:2025/v/r4/fhir//DocumentReference?patient=160595"
    }
  ],
  "entry": [
    {
      "fullUrl":
"https://fhir.qsmartcare.com:2025/v/r4/fhir//DocumentReference/160595",
      "resource": {
        "resourceType": "DocumentReference",
        "id": "767",
        "meta": {
          "versionId": "1",
          "lastUpdated": "2022-11-10T11:06:07+00:00",
          "source": "#iLFSV70Lv0KF8dmQ",
          "profile": [
            "http://hl7.org/fhir/us/core/StructureDefinition/us-core-
documentreference"
          ]
        },
        "identifier": [
          {
            "system": "urn:ietf:rhc:3986",
            "value": "urn:uuid:39345668-54a0-e9fc-0462-2412a3a80e06"
          }
        ],
        "status": "superseded",
        "type": {
          "coding": [
            {
              "system": "http://loinc.org",
              "code": "28570-0",
              "display": "Procedure note"
            }
          ],
          "text": "Procedure note"
        }
      }
    }
  ],
}
```



```
"category": [
  {
    "coding": [
      {
        "system": "http://hl7.org/fhir/us/core/CodeSystem/us-core-
documentreference-category",
        "code": "clinical-note",
        "display": "Clinical Note"
      }
    ]
  }
],
"subject": {
  "reference": "Patient/160595"
},
"date": "2018-10-04T19:33:18.715-04:00",
"author": [
  {
    "reference": "Practitioner/290",
    "display": "Poovarasan D111"
  }
],
"custodian": {
  "reference": "Organization/2506",
  "display": "Facility Test"
},
"content": [
  {
    "attachment": {
      "contentType": "application/pdf",
      "url":
"https://www.w3.org/WAI/ER/tests/xhtml/testfiles/resources/pdf/dummy.pdf"
    },
    "format": {
      "system":
"http://ihe.net/fhir/ValueSet/IHE.FormatCode.codesystem",
      "code": "urn:ihe:iti:xds:2017:mimeTypeSufficient",
      "display": "mimeType Sufficient"
    }
  }
],
"context": {
  "encounter": [
    {
      "reference": "Encounter/763"
    }
  ],
  "period": {
    "start": "2022-10-07T00:00:00+00:00",
    "end": "2022-10-07T00:00:00+00:00"
  }
},
"search": {
  "mode": "match"
}
```




```
    }
  },
  {
    "fullUrl":
"https://fhir.qsmartcare.com:2025/v/r4/fhir//DocumentReference/160595",
    "resource": {
      "resourceType": "DocumentReference",
      "id": "612",
      "meta": {
        "versionId": "1",
        "lastUpdated": "2022-11-10T11:06:07+00:00",
        "source": "#iLFSV70Lv0KF8dmQ",
        "profile": [
          "http://hl7.org/fhir/us/core/StructureDefinition/us-core-
documentreference"
        ]
      },
      "identifier": [
        {
          "system": "urn:ietf:rhc:3986",
          "value": "urn:uuid:8300c2c2-b4cc-bab0-5386-064f28707290"
        }
      ],
      "status": "superseded",
      "type": {
        "coding": [
          {
            "system": "http://loinc.org",
            "code": "11504-8",
            "display": "Surgical operation note"
          }
        ],
        "text": "Surgical operation note"
      },
      "category": [
        {
          "coding": [
            {
              "system": "http://hl7.org/fhir/us/core/CodeSystem/us-core-
documentreference-category",
              "code": "clinical-note",
              "display": "Clinical Note"
            }
          ]
        }
      ]
    },
    "subject": {
      "reference": "Patient/160595"
    },
    "date": "1991-05-02T19:33:18.715-04:00",
    "author": [
      {
        "reference": "Practitioner/290",
        "display": "Poovarasan D111"
      }
    ]
  }
}
```



```
    ],
    "custodian": {
      "reference": "Organization/2506",
      "display": "Facility Test"
    },
    "content": [
      {
        "attachment": {
          "contentType": "text/plain",
          "data": "Test "
        },
        "format": {
          "system":
"http://ihe.net/fhir/ValueSet/IHE.FormatCode.codesystem",
          "code": "urn:ihe:iti:xds:2017:mimeTypeSufficient",
          "display": "mimeType Sufficient"
        }
      }
    ],
    "context": {
      "encounter": [
        {
          "reference": "Encounter/608"
        }
      ],
      "period": {
        "start": "2022-10-07T00:00:00+00:00",
        "end": "2022-10-07T00:00:00+00:00"
      }
    },
    "search": {
      "mode": "match"
    }
  },
  {
    "fullUrl":
"http://fhir.qsmartcare.com:2025/v/r4/fhir//DocumentReference/160595",
    "resource": {
      "resourceType": "DocumentReference",
      "id": "704",
      "meta": {
        "versionId": "1",
        "lastUpdated": "2022-11-10T11:06:07+00:00",
        "source": "#iLFSV70Lv0KF8dmQ",
        "profile": [
          "http://hl7.org/fhir/us/core/StructureDefinition/us-core-
documentreference"
        ]
      },
      "identifier": [
        {
          "system": "urn:ietf:rhc:3986",
          "value": "urn:uuid:9e61f82e-b7df-e4a4-1107-4c42b08d3239"
        }
      ]
    }
  }
}
```



```
    ],
    "status": "superseded",
    "type": {
      "coding": [
        {
          "system": "http://loinc.org",
          "code": "11488-4",
          "display": "Consultation note"
        }
      ],
      "text": "Consultation note"
    },
  },
  "category": [
    {
      "coding": [
        {
          "system": "http://hl7.org/fhir/us/core/CodeSystem/us-core-
documentreference-category",
          "code": "clinical-note",
          "display": "Clinical Note"
        }
      ]
    }
  ],
  "subject": {
    "reference": "Patient/160595"
  },
  "date": "2008-08-07T19:33:18.715-04:00",
  "author": [
    {
      "reference": "Practitioner/290",
      "display": "Poovarasan D111"
    }
  ],
  "custodian": {
    "reference": "Organization/2506",
    "display": "Facility Test"
  },
  "content": [
    {
      "attachment": {
        "contentType": "text/plain",
        "data": "Test "
      },
      "format": {
        "system":
"http://ihe.net/fhir/ValueSet/IHE.FormatCode.codesystem",
        "code": "urn:ihe:iti:xds:2017:mimeTypeSufficient",
        "display": "mimeType Sufficient"
      }
    }
  ],
  "context": {
    "encounter": [
      {
```



```
        "reference": "Encounter/701"
      }
    ],
    "period": {
      "start": "2022-10-07T00:00:00+00:00",
      "end": "2022-10-07T00:00:00+00:00"
    }
  }
},
"search": {
  "mode": "match"
}
},
{
  "fullUrl":
"https://fhir.qsmartcare.com:2025/v/r4/fhir//DocumentReference/160595",
  "resource": {
    "resourceType": "DocumentReference",
    "id": "364",
    "meta": {
      "versionId": "1",
      "lastUpdated": "2022-11-10T11:06:07+00:00",
      "source": "#iLFSV70Lv0KF8dmQ",
      "profile": [
        "http://hl7.org/fhir/us/core/StructureDefinition/us-core-
documentreference"
      ]
    },
    "identifier": [
      {
        "system": "urn:ietf:rfc:3986",
        "value": "urn:uuid:7ebc730b-cf18-f4ae-cba6-19527911a3da"
      }
    ],
    "status": "superseded",
    "type": {
      "coding": [
        {
          "system": "http://loinc.org",
          "code": "11488-4",
          "display": "Consultation note"
        }
      ]
    },
    "text": "Consultation note"
  },
  "category": [
    {
      "coding": [
        {
          "system": "http://hl7.org/fhir/us/core/CodeSystem/us-core-
documentreference-category",
          "code": "clinical-note",
          "display": "Clinical Note"
        }
      ]
    }
  ]
}
```



```
    }
  ],
  "subject": {
    "reference": "Patient/160595"
  },
  "date": "1940-09-05T19:33:18.715-04:00",
  "author": [
    {
      "reference": "Practitioner/290",
      "display": "Poovarasan D111"
    }
  ],
  "custodian": {
    "reference": "Organization/2506",
    "display": "Facility Test"
  },
  "content": [
    {
      "attachment": {
        "contentType": "text/plain",
        "data": "Test "
      },
      "format": {
        "system":
"http://ihe.net/fhir/ValueSet/IHE.FormatCode.codesystem",
        "code": "urn:ihe:iti:xds:2017:mimeTypeSufficient",
        "display": "mimeType Sufficient"
      }
    }
  ],
  "context": {
    "encounter": [
      {
        "reference": "Encounter/360"
      }
    ],
    "period": {
      "start": "2022-10-07T00:00:00+00:00",
      "end": "2022-10-07T00:00:00+00:00"
    }
  },
  "search": {
    "mode": "match"
  }
},
{
  "fullUrl":
"https://fhir.qsmartcare.com:2025/v/r4/fhir//DocumentReference/160595",
  "resource": {
    "resourceType": "DocumentReference",
    "id": "762",
    "meta": {
      "versionId": "1",
      "lastUpdated": "2022-11-10T11:06:07+00:00",
```



```
"source": "#iLFSV70Lv0KF8dmQ",
"profile": [
  "http://hl7.org/fhir/us/core/StructureDefinition/us-core-
documentreference"
]
},
"identifier": [
  {
    "system": "urn:ietf:rfc:3986",
    "value": "urn:uuid:d547d7bd-daf1-e161-d809-546d04fe5f32"
  }
],
"status": "superseded",
"type": {
  "coding": [
    {
      "system": "http://loinc.org",
      "code": "34117-2",
      "display": "History and physical note"
    }
  ],
  "text": "History and physical note"
},
"category": [
  {
    "coding": [
      {
        "system": "http://hl7.org/fhir/us/core/CodeSystem/us-core-
documentreference-category",
        "code": "clinical-note",
        "display": "Clinical Note"
      }
    ]
  }
],
"subject": {
  "reference": "Patient/160595"
},
"date": "2018-02-28T19:55:18.715-05:00",
"author": [
  {
    "reference": "Practitioner/290",
    "display": "Poovarasan D111"
  }
],
"custodian": {
  "reference": "Organization/2506",
  "display": "Facility Test"
},
"content": [
  {
    "attachment": {
      "contentType": "text/plain",
      "data": "Test "
    }
  }
],
```



```
        "format": {
          "system":
"http://ihe.net/fhir/ValueSet/IHE.FormatCode.codesystem",
          "code": "urn:ihe:iti:xds:2017:mimeTypeSufficient",
          "display": "mimeType Sufficient"
        }
      },
    ],
    "context": {
      "encounter": [
        {
          "reference": "Encounter/756"
        }
      ],
      "period": {
        "start": "2022-10-07T00:00:00+00:00",
        "end": "2022-10-07T00:00:00+00:00"
      }
    }
  },
  "search": {
    "mode": "match"
  }
},
{
  "fullUrl":
"https://fhir.qsmartcare.com:2025/v/r4/fhir//DocumentReference/160595",
  "resource": {
    "resourceType": "DocumentReference",
    "id": "689",
    "meta": {
      "versionId": "1",
      "lastUpdated": "2022-11-10T11:06:07+00:00",
      "source": "#iLFSV70Lv0KF8dmQ",
      "profile": [
        "http://hl7.org/fhir/us/core/StructureDefinition/us-core-
documentreference"
      ]
    },
    "identifier": [
      {
        "system": "urn:ietf:rfc:3986",
        "value": "urn:uuid:828f04d4-094a-5d5d-c875-6929c5f72f4b"
      }
    ],
    "status": "superseded",
    "type": {
      "coding": [
        {
          "system": "http://loinc.org",
          "code": "11504-8",
          "display": "Surgical operation note"
        }
      ],
      "text": "Surgical operation note"
    }
  }
}
```



```
    },
    "category": [
      {
        "coding": [
          {
            "system": "http://hl7.org/fhir/us/core/CodeSystem/us-core-
documentreference-category",
            "code": "clinical-note",
            "display": "Clinical Note"
          }
        ]
      }
    ],
    "subject": {
      "reference": "Patient/160595"
    },
    "date": "2007-08-02T19:33:18.715-04:00",
    "author": [
      {
        "reference": "Practitioner/290",
        "display": "Poovarasan D111"
      }
    ],
    "custodian": {
      "reference": "Organization/2506",
      "display": "Facility Test"
    },
    "content": [
      {
        "attachment": {
          "contentType": "text/plain",
          "data": "Test "
        },
        "format": {
          "system":
"http://ihe.net/fhir/ValueSet/IHE.FormatCode.codesystem",
          "code": "urn:ihe:iti:xds:2017:mimeTypeSufficient",
          "display": "mimeType Sufficient"
        }
      }
    ],
    "context": {
      "encounter": [
        {
          "reference": "Encounter/686"
        }
      ],
      "period": {
        "start": "2022-10-07T00:00:00+00:00",
        "end": "2022-10-07T00:00:00+00:00"
      }
    }
  },
  "search": {
    "mode": "match"
  }
}
```




```
    }
  },
  {
    "fullUrl":
"https://fhir.qsmartcare.com:2025/v/r4/fhir//DocumentReference/160595",
    "resource": {
      "resourceType": "DocumentReference",
      "id": "685",
      "meta": {
        "versionId": "1",
        "lastUpdated": "2022-11-10T11:06:07+00:00",
        "source": "#iLFSV70Lv0KF8dmQ",
        "profile": [
          "http://hl7.org/fhir/us/core/StructureDefinition/us-core-
documentreference"
        ]
      },
      "identifier": [
        {
          "system": "urn:ietf:rfc:3986",
          "value": "urn:uuid:7021fafe-e1b4-636b-1c3b-ff046636ae66"
        }
      ],
      "status": "superseded",
      "type": {
        "coding": [
          {
            "system": "http://loinc.org",
            "code": "57133-1",
            "display": "Referral note"
          }
        ],
        "text": "Referral note"
      },
      "category": [
        {
          "coding": [
            {
              "system": "http://hl7.org/fhir/us/core/CodeSystem/us-core-
documentreference-category",
              "code": "clinical-note",
              "display": "Clinical Note"
            }
          ]
        }
      ]
    },
    "subject": {
      "reference": "Patient/160595"
    },
    "date": "2006-10-27T21:51:18.715-04:00",
    "author": [
      {
        "reference": "Practitioner/290",
        "display": "Poovarasan D111"
      }
    ]
  }
}
```



```
    ],
    "custodian": {
      "reference": "Organization/2506",
      "display": "Facility Test"
    },
    "content": [
      {
        "attachment": {
          "contentType": "text/plain",
          "data": "Test "
        },
        "format": {
          "system":
"http://ihe.net/fhir/ValueSet/IHE.FormatCode.codesystem",
          "code": "urn:ihe:iti:xds:2017:mimeTypeSufficient",
          "display": "mimeType Sufficient"
        }
      }
    ],
    "context": {
      "encounter": [
        {
          "reference": "Encounter/682"
        }
      ],
      "period": {
        "start": "2022-10-07T00:00:00+00:00",
        "end": "2022-10-07T00:00:00+00:00"
      }
    },
    "search": {
      "mode": "match"
    }
  },
  {
    "fullUrl":
"http://fhir.qsmartcare.com:2025/v/r4/fhir//DocumentReference/160595",
    "resource": {
      "resourceType": "DocumentReference",
      "id": "640",
      "meta": {
        "versionId": "1",
        "lastUpdated": "2022-11-10T11:06:07+00:00",
        "source": "#iLFSV70Lv0KF8dmQ",
        "profile": [
          "http://hl7.org/fhir/us/core/StructureDefinition/us-core-
documentreference"
        ]
      },
      "identifier": [
        {
          "system": "urn:ietf:rfc:3986",
          "value": "urn:uuid:2aa5e0ce-9549-5832-6195-837cc85438c4"
        }
      ]
    }
  }
}
```



```
    ],
    "status": "superseded",
    "type": {
      "coding": [
        {
          "system": "http://loinc.org",
          "code": "11488-4",
          "display": "Consultation note"
        }
      ],
      "text": "Consultation note"
    },
    "category": [
      {
        "coding": [
          {
            "system": "http://hl7.org/fhir/us/core/CodeSystem/us-core-
documentreference-category",
            "code": "clinical-note",
            "display": "Clinical Note"
          }
        ]
      }
    ],
    "subject": {
      "reference": "Patient/160595"
    },
    "date": "1999-04-01T18:33:18.715-05:00",
    "author": [
      {
        "reference": "Practitioner/290",
        "display": "Poovarasan D111"
      }
    ],
    "custodian": {
      "reference": "Organization/2506",
      "display": "Facility Test"
    },
    "content": [
      {
        "attachment": {
          "contentType": "text/plain",
          "data": "Test "
        },
        "format": {
          "system":
"http://ihe.net/fhir/ValueSet/IHE.FormatCode.codesystem",
          "code": "urn:ihe:iti:xds:2017:mimeTypeSufficient",
          "display": "mimeType Sufficient"
        }
      }
    ],
    "context": {
      "encounter": [
        {
```



```
        "reference": "Encounter/638"
      }
    ],
    "period": {
      "start": "2022-10-07T00:00:00+00:00",
      "end": "2022-10-07T00:00:00+00:00"
    }
  },
  "search": {
    "mode": "match"
  }
},
{
  "fullUrl":
"https://fhir.qsmartcare.com:2025/v/r4/fhir//DocumentReference/160595",
  "resource": {
    "resourceType": "DocumentReference",
    "id": "644",
    "meta": {
      "versionId": "1",
      "lastUpdated": "2022-11-10T11:06:07+00:00",
      "source": "#iLFSV70Lv0KF8dmQ",
      "profile": [
        "http://hl7.org/fhir/us/core/StructureDefinition/us-core-
documentreference"
      ]
    },
    "identifier": [
      {
        "system": "urn:ietf:rfc:3986",
        "value": "urn:uuid:d0da63fd-f329-7626-bff5-4bd4269e1854"
      }
    ],
    "status": "superseded",
    "type": {
      "coding": [
        {
          "system": "http://loinc.org",
          "code": "18842-5",
          "display": "Discharge summary"
        }
      ],
      "text": "Discharge summary"
    },
    "category": [
      {
        "coding": [
          {
            "system": "http://hl7.org/fhir/us/core/CodeSystem/us-core-
documentreference-category",
            "code": "clinical-note",
            "display": "Clinical Note"
          }
        ]
      }
    ]
  }
}
```



```
    }
  ],
  "subject": {
    "reference": "Patient/160595"
  },
  "date": "1999-03-28T18:33:18.715-05:00",
  "author": [
    {
      "reference": "Practitioner/290",
      "display": "Poovarasan D111"
    }
  ],
  "custodian": {
    "reference": "Organization/2506",
    "display": "Facility Test"
  },
  "content": [
    {
      "attachment": {
        "contentType": "text/plain",
        "data": "Test "
      },
      "format": {
        "system":
"http://ihe.net/fhir/ValueSet/IHE.FormatCode.codesystem",
        "code": "urn:ihe:iti:xds:2017:mimeTypeSufficient",
        "display": "mimeType Sufficient"
      }
    }
  ],
  "context": {
    "encounter": [
      {
        "reference": "Encounter/641"
      }
    ],
    "period": {
      "start": "2022-10-07T00:00:00+00:00",
      "end": "2022-10-07T00:00:00+00:00"
    }
  },
  "search": {
    "mode": "match"
  }
},
{
  "fullUrl":
"https://fhir.qsmartcare.com:2025/v/r4/fhir//DocumentReference/160595",
  "resource": {
    "resourceType": "DocumentReference",
    "id": "575",
    "meta": {
      "versionId": "1",
      "lastUpdated": "2022-11-10T11:06:07+00:00",
```



```
"source": "#iLFSV70Lv0KF8dmQ",
"profile": [
  "http://hl7.org/fhir/us/core/StructureDefinition/us-core-
documentreference"
]
},
"identifier": [
  {
    "system": "urn:ietf:rfc:3986",
    "value": "urn:uuid:0fd4ebab-1828-49c1-44cc-2410c0cb60f8"
  }
],
"status": "superseded",
"type": {
  "coding": [
    {
      "system": "http://loinc.org",
      "code": "11506-3",
      "display": "Progress note"
    }
  ],
  "text": "Progress note"
},
"category": [
  {
    "coding": [
      {
        "system": "http://hl7.org/fhir/us/core/CodeSystem/us-core-
documentreference-category",
        "code": "clinical-note",
        "display": "Clinical Note"
      }
    ]
  }
],
"subject": {
  "reference": "Patient/160595"
},
"date": "1979-02-22T18:33:18.715-05:00",
"author": [
  {
    "reference": "Practitioner/290",
    "display": "Poovarasan D111"
  }
],
"custodian": {
  "reference": "Organization/2506",
  "display": "Facility Test"
},
"content": [
  {
    "attachment": {
      "contentType": "text/plain",
      "data": "Test "
    }
  }
],
```



```

        "format": {
            "system":
"http://ihe.net/fhir/ValueSet/IHE.FormatCode.codesystem",
            "code": "urn:ihe:iti:xds:2017:mimeTypeSufficient",
            "display": "mimeType Sufficient"
        }
    },
    "context": {
        "encounter": [
            {
                "reference": "Encounter/571"
            }
        ],
        "period": {
            "start": "2022-10-07T00:00:00+00:00",
            "end": "2022-10-07T00:00:00+00:00"
        }
    },
    "search": {
        "mode": "match"
    }
}
]
}

```

Error Handling: In the event of an error, QSmartCare system will respond by supporting below error codes -

Supported HTTP codes:

HTTP Code	Severity	Description	Example
400	Error	Bad request	Invalid Parameters
401	Error	Unauthorized	Invalid Access Token
403	Error	Forbidden	Valid Access Token but not authorized for the requested scope
408	Error	Request time out	Service timed out
500	Error	Internal Server error	Server issue