



## 2.2 StudySubject Web Service

This service provides API methods for manipulating subjects in OpenClinica. The WSDL file associated with this service can be found here: [http://\\${your instance}/OpenClinica-ws/ws/studySubject/v1/studySubjectWsdl.wsdl](http://${your instance}/OpenClinica-ws/ws/studySubject/v1/studySubjectWsdl.wsdl).

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Not valid unless obtained from the OpenClinica document management system on the day of use.

### 2.2.1 create (Creates a new studySubject)

Create Method generates a new Study Subject.

#### Usage

Creates a study subjects in a target study/site. Required and optional fields will be determined by the configuration of the study and site the subject is being created in.

#### SOAP XML Request and Response Template

```
<soapenv:Envelope
xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:v1="http://openclinica.org/ws/studySubject/v1"
xmlns:bean="http://openclinica.org/ws/beans">
  ${insert header}
  <soapenv:Body>
    <v1:createRequest>
      <!--1 or more repetitions:-->
      <v1:studySubject>
        <bean:label?></bean:label>
        <!--Optional:-->
        <bean:secondaryLabel?></bean:secondaryLabel>
        <bean:enrollmentDate?></bean:enrollmentDate>
        <bean:subject>
          <!--Optional:-->
          <bean:uniqueIdentifier?></bean:uniqueIdentifier>
          <!--Optional:-->
          <bean:gender?></bean:gender>
          <!--You have a CHOICE of the next 2 items at this level-->
          <bean:dateOfBirth?></bean:dateOfBirth>
          <bean:yearOfBirth?></bean:yearOfBirth>
        </bean:subject>
      </v1:studySubject>
    </v1:createRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

```

<bean:studyRef>
<bean:identifier>?</bean:identifier>
<!--Optional:-->
<bean:siteRef>
<bean:identifier>?</bean:identifier>
</bean:siteRef>
</bean:studyRef>
</v1:studySubject>
</v1:createRequest>
</soapenv:Body>
</soapenv:Envelope>

```

```

<SOAP-ENV:Envelope xmlns:SOAP-
ENV="http://schemas.xmlsoap.org/soap/envelope/">
<SOAP-ENV:Header/>
<SOAP-ENV:Body>
<createResponse>
<result>success</result>
<label>?</label>
</createResponse>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>

```

## Parameters

### Request Parameters

| Parameter      | UI                 | Domain                          | DB                            | Validations   | Datatypes | Examples   | Required  |
|----------------|--------------------|---------------------------------|-------------------------------|---|-----------|--|---|
| label          | Study Subject ID   | StudySubjectBean:label          | study_subject:label           | - cannot be longer than 30 characters   | String    | <label>SSID001</label><br><br>Note: The OID of the study subject is truncated if the label contains 9 or more characters. For example, if you create a subject with a Study Subject ID # ALC5000001 --> the Study Subject OID saved in the database is: SS_ALC50000 instead of SS_ALC5000001<br><br>If there is another study subject containing the same first 8 characters as the first study subject, the second study subject will have the same OID as the first study subject with an appended 4 randomly assigned digits to ensure uniqueness. For example, if after you submitted a request to create a Study subject of ALC5000001, you submit a request to create a Study Subject ID # ALC5000002, the Study Subject OID saved in the database is: SS_ALC50000_5363 instead of SS_ALC5000002 | Y - if "Study Parameter Configuration - Generate the Study Subject ID" is set to <i>Manual Entry</i> .<br>N - if "Study Parameter Configuration - Generate the Study Subject ID" is set to <i>Auto-generated and Editable</i> or <i>Auto-generated and Non-editable</i> . |
| secondaryLabel | Secondary ID       | StudySubjectBean:secondaryLabel | study_subject:secondary_label | - cannot be longer than 30 characters   | String    | <secondaryLabel>?</secondaryLabel>   | N   |
| enrollmentDate | Date of Enrollment | StudySubjectBean:enrollmentDate | study_subject:enrollment_date | - should be a valid date in the ISO 8601 format<br>- date should be in the past | Date      | <enrollmentDate>2008-12-12</enrollmentDate>  | Y   |

| Parameter                | UI                 | Domain                       | DB                        | Validations                                     | Datatypes | Examples                                    | Required   |
|--------------------------|--------------------|------------------------------|---------------------------|---|-----------|---|--|
| subject:uniqueIdentifier | Person ID          | SubjectBean:uniqueIdentifier | subject:unique_identifier | - cannot be longer than 255 characters          | String    | <uniqueIdentifier>PID001</uniqueIdentifier> | Y - if "Study Parameter Configuration - Person ID Required" is set to <i>Required</i> .<br>N - if "Study Parameter Configuration - Person ID Required" is set to <i>Optional</i> or <i>Not Used</i> .<br>Y - if "Study Parameter Configuration - Sex Required" is set to <i>Yes</i> .<br>N - if "Study Parameter Configuration - Sex Required" is set to <i>No</i> .<br>Y - if "Study Parameter Configuration - Collect Subject Date of Birth" is set to <i>Yes</i> .<br>N - if "Study Parameter Configuration - Collect Subject Date of Birth" is set to <i>Not Used</i> or <i>Only Year of Birth</i> .<br>Y - if "Study Parameter Configuration - Collect Subject Date of Birth" is set to <i>Only Year of Birth</i> .<br>N - if "Study Parameter Configuration - Collect Subject Date of Birth" is set to <i>Not Used</i> or <i>Yes</i> . |
| subject:gender           | Sex                | SubjectBean:gender           | subject:gender            | - should be 'm' or 'f'                          | char      | <gender>m</gender>                          | Y - if "Study Parameter Configuration - Sex Required" is set to <i>Yes</i> .<br>N - if "Study Parameter Configuration - Sex Required" is set to <i>No</i> .<br>Y - if "Study Parameter Configuration - Collect Subject Date of Birth" is set to <i>Yes</i> .<br>N - if "Study Parameter Configuration - Collect Subject Date of Birth" is set to <i>Not Used</i> or <i>Only Year of Birth</i> .<br>Y - if "Study Parameter Configuration - Collect Subject Date of Birth" is set to <i>Only Year of Birth</i> .<br>N - if "Study Parameter Configuration - Collect Subject Date of Birth" is set to <i>Not Used</i> or <i>Yes</i> .  |
| subject:dateOfBirth      | Date of Birth      | SubjectBean:dateOfBirth      | subject:date_of_birth     | - should be a valid date in the ISO 8601 format | Date      | <dateOfBirth>2008-12-12</dateOfBirth>       | Y - if "Study Parameter Configuration - Collect Subject Date of Birth" is set to <i>Yes</i> .<br>N - if "Study Parameter Configuration - Collect Subject Date of Birth" is set to <i>Not Used</i> or <i>Only Year of Birth</i> .<br>Y - if "Study Parameter Configuration - Collect Subject Date of Birth" is set to <i>Only Year of Birth</i> .<br>N - if "Study Parameter Configuration - Collect Subject Date of Birth" is set to <i>Not Used</i> or <i>Yes</i> .   |
| subject:yearOfBirth      | Date of Birth      | SubjectBean:dateOfBirth      | subject:date_of_birth     | - should be a valid year                        | Date      | <yearOfBirth>2008</yearOfBirth>             | Y - if "Study Parameter Configuration - Collect Subject Date of Birth" is set to <i>Yes</i> .<br>N - if "Study Parameter Configuration - Collect Subject Date of Birth" is set to <i>Not Used</i> or <i>Yes</i> .  |
| studyRef:identifier      | Unique Protocol ID | StudyBean:identifier         | study:unique_identifier   | - should be a valid study identifier            | String    | <identifier>StudyA</identifier>             | Y  |
| siteRef:identifier       | Unique Protocol ID | StudyBean:identifier         | study:unique_identifier   | - should be a valid site identifier             | String    | <identifier>SiteA</identifier>              | N  |

## Response Parameters

| Parameter | UI               | Domain                 | DB                  | Result on success        | Result on fail   |
|-----------|------------------|------------------------|---------------------|--------------------------|--|
| label     | Study Subject ID | StudySubjectBean:label | study_subject:label | <label>SSID001</label>   | <label/>   |
| result    | n/a              | n/a                    | n/a                 | <result>Success</result> | <result>Fail</result>  |
| warning   | n/a              | n/a                    | n/a                 | n/a                      | n/a  |
| error     | n/a              | n/a                    | n/a                 | n/a                      | <error>An error message indicating reason of failure</error> |

## 2.2.2 listAllByStudy (List studySubjects in a study)

Lists studySubjects in a study regardless of its state (i.e It also includes a removed studySubject in a

study).

## Usage

Lists study subjects that are a part of an OpenClinica study or site.

## SOAP XML Request and Response Template

```
<soapenv:Envelope
xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:v1="http://openclinica.org/ws/studySubject/v1"
xmlns:bean="http://openclinica.org/ws/beans">
  ${insert header}
  <soapenv:Body>
    <v1:listAllByStudyRequest>
      <bean:studyRef>
        <bean:identifier?></bean:identifier>
        <!-- Optional:
        <bean:siteRef>
          <bean:identifier?></bean:identifier>
        </bean:siteRef-- !>
        </bean:studyRef>
      </v1:listAllByStudyRequest>
    </soapenv:Body>
  </soapenv:Envelope>
```

```
<SOAP-ENV:Envelope xmlns:SOAP-
ENV="http://schemas.xmlsoap.org/soap/envelope/">
  <SOAP-ENV:Header/>
  <SOAP-ENV:Body>
    <ns4:listAllByStudyResponse
xmlns:ns4="http://openclinica.org/ws/studySubject/v1"
xmlns:ns2="http://openclinica.org/ws/beans"
xmlns:ns3="http://openclinica.org/ws/crf/v1">
      <ns4:result>Success</ns4:result>
      <ns4:studySubjects>
        <ns2:studySubject>
          <ns2:label>label</ns2:label>
          <ns2:secondaryLabel/>
          <ns2:enrollmentDate>2010-03-31</ns2:enrollmentDate>
          <ns2:subject>
            <ns2:uniqueIdentifier/>
            <ns2:gender>m</ns2:gender>
          </ns2:subject>
          <ns2:events>
            <ns2:event>
              <ns2:location>Boston</ns2:location>
              <ns2:startDate>2010-03-31</ns2:startDate>
```

```

<ns2:startTime>00:00:00</ns2:startTime>
</ns2:event>
</ns2:events>
</ns2:studySubject>
</ns4:studySubjects>
</ns4:listAllByStudyResponse>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>

```

## Parameters

### Request Parameters

| Parameter           | UI                    | Domain               | DB                      | Validations | Datatypes | Examples                                     | Required |
|---------------------|-----------------------|----------------------|-------------------------|-------------|-----------|--|----------|
| studyRef:identifier | Unique<br>Protocol ID | StudyBean:identifier | study:unique_identifier | N/A         | String    | <identifier>study<br>identifier</identifier> | Y        |
| siteRef:identifier  | Unique<br>Protocol ID | StudyBean:identifier | study:unique_identifier | N/A         | String    | <identifier>site<br>identifier</identifier>  | N        |

### Response Parameters

| Parameter                   | UI                 | Domain                          | DB                            | Result on success  | Result on fail  |
|-----------------------------|--------------------|---------------------------------|-------------------------------|--|---|
| result                      | n/a                | n/a                             | n/a                           | <result>Success</result>   | <result>Fail</result>   |
| warning                     | n/a                | n/a                             | n/a                           | <warning>A warning message</warning>                               | n/a   |
| error                       | n/a                | n/a                             | n/a                           | n/a  | <error>An error<br>message indicating<br>reason of<br>failure</error> |
| studySubject:label          | StudySubject<br>ID | StudySubjectBean:label          | study_subject:label           | <label>label</label>   | n/a   |
| studySubject:secondaryLabel | Secondary<br>ID    | StudySubjectBean:secondaryLabel | study_subject:secondary_label | <secondaryLabel/> or<br><secondaryLabel>label</secondaryLabel>     | n/a   |
| subject:uniqueIdentifier    | Person ID          | SubjectBean:uniqueIdentifier    | subject:unique_identifier     | <uniqueIdentifier/> or<br><uniqueIdentifier>uid</uniqueIdentifier> | n/a   |
| subject:gender              | Sex                | SubjectBean:gender              | subject:gender                | <gender>m</gender> or<br><gender>f</gender>                        | n/a   |
| subject:dateOfBirth         | Date of Birth      | SubjectBean:dateOfBirth         | subject:date_of_birth         | <dateOfBirth>2008-12-12</dateOfBirth>                              | n/a   |
| subject:yearOfBirth         | Date of Birth      | SubjectBean:dateOfBirth         | subject:date_of_birth         | <yearOfBirth>2008</yearOfBirth>                                    | n/a   |
| event:location              | Location           | StudyEvent:location             | study_event:location          | <location>Boston</location>  | n/a   |
| event:startDate             | Start<br>Date/Time | StudyEvent:dateStarted          | study_event:date_start        | <startDate>2010-08-16</startDate>                                  | n/a   |
| event:startTime             | Start<br>Date/Time | StudyEvent:dateStarted          | study_event:date_start        | <startTime>12:00:00</startTime>                                    | n/a   |
| event:endDate               | End<br>Date/Time   | StudyEvent:dateEnded            | study_event:date_end          | <endDate>2010-08-16</endDate>                                      | n/a   |
| event:endTime               | End<br>Date/Time   | StudyEvent:dateEnded            | study_event:date_ended        | <endTime>15:00:00</endTime>  | n/a   |

## 2.2.3 isStudySubject (Queries OpenClinica if studySubject exists in a Study)

Queries OpenClinica if Study Subject exists.

## Usage

Queries OpenClinica if a study subjects is assigned to a target study/site. Study Subject is looked up by Label (aka Study Subject ID) only.

If only the Study ID is provided (and not the Site ID), the web service will check for the Study Subject across all sites in the study and, if found, return a result of 'Success'. If a Site Identifier is also provided the scope of the query will be limited to subjects in that study and site.

## SOAP XML Request and Response Template

```
<soapenv:Envelope
xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:v1="http://openclinica.org/ws/studySubject/v1"
xmlns:bean="http://openclinica.org/ws/beans">
  ${insert header}
  <soapenv:Body>
    <v1:isStudySubjectRequest>
      <v1:studySubject>
        <bean:label>?</bean:label>
        <!--Lines selected in grey can be deleted from envelope. This
information is NOT used by WS-->
        <!--Optional:-->
        <bean:secondaryLabel>?</bean:secondaryLabel>
        <bean:enrollmentDate>?</bean:enrollmentDate>
        <bean:subject>
          <!--Optional:-->
          <bean:uniqueIdentifier>?</bean:uniqueIdentifier>
          <!--Optional:-->
          <bean:gender>?</bean:gender>
          <!--You have a CHOICE of the next 2 items at this level-->
          <bean:dateOfBirth>?</bean:dateOfBirth>
          <bean:yearOfBirth>?</bean:yearOfBirth>
        </bean:subject>
        <bean:studyRef>
          <bean:identifier>?</bean:identifier>
          <!--Optional:-->
          <bean:siteRef>
            <bean:identifier>?</bean:identifier>
          </bean:siteRef>
        </bean:studyRef>
      </v1:studySubject>
    </v1:isStudySubjectRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

```
<SOAP-ENV:Envelope xmlns:SOAP-
ENV="http://schemas.xmlsoap.org/soap/envelope/">
```

```

<SOAP-ENV:Header/>
<SOAP-ENV:Body>
<createResponse>
<result>success</result>
<label>?</label>
</createResponse>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>

```

## Parameters

### Request Parameters

| Parameter           | UI                 | Domain                 | DB                      | Validations                           | Datatypes | Examples                        | Required |
|---------------------|--------------------|------------------------|-------------------------|---------------------------------------|-----------|---------------------------------|----------|
| label               | Study Subject ID   | StudySubjectBean:label | study_subject:label     | - cannot be longer than 30 characters | String    | <label>Sub A 101</label>        | Y        |
| studyRef:identifier | Unique Protocol ID | StudyBean:identifier   | study:unique_identifier | - should be a valid study identifier  | String    | <identifier>StudyA</identifier> | Y        |
| siteRef:identifier  | Unique Protocol ID | StudyBean:identifier   | study:unique_identifier | - should be a valid site identifier   | String    | <identifier>SiteA</identifier>  | N        |

### Response Parameters

| Parameter           | UI                | Domain          | DB                   | Result on success        | Result on fail   |
|---------------------|-------------------|-----------------|----------------------|--------------------------|--|
| studySubject:oc_oid | Study Subject OID | studySubjectOID | study_subject:oc_oid | <label>SSID001</label>   | <label/>   |
| result              | n/a               | n/a             | n/a                  | <result>Success</result> | <result>Fail</result>  |
| warning             | n/a               | n/a             | n/a                  | n/a                      | n/a  |
| error               | n/a               | n/a             | n/a                  | n/a                      | <error>An error message indicating reason of failure</error> |