

## 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).

Approved for publication by Cal Collins. Signed on 2014-04-02 3:55PM

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>
<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>  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 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 Manual Entry. N - if "Study Parameter Configuration - Generate the Study Subject ID" is set to Auto-generated and Editable or Auto-generated and Non-editable.
secondaryLabel	Secondary ID	StudySubjectBean:secondaryLabel	study_subject:secondary_label	- cannot be longer than 30 characters	String	<secondaryLabel>?</secondaryLabel>	N

Parameter	UI	Domain	DB	Validations	Datatypes	Examples	Required
enrollmentDate	Date of Enrollment	StudySubjectBean:enrollmentDate	study_subject:enrollment_date	- should be a valid date in the ISO 8601 format - date should be in the past	Date	<enrollmentDate>2008-12-12</enrollmentDate>	Y
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> . N - if "Study Parameter Configuration - Person ID Required" is set to <i>Optional</i> or <i>Not Used</i> . Y - if "Study Parameter Configuration - Sex Required" is set to <i>Yes</i> . N - if "Study Parameter Configuration - Sex Required" is set to <i>No</i> . Y - if "Study Parameter Configuration - Collect Subject Date of Birth" is set to <i>Yes</i> . N - if "Study Parameter Configuration - Collect Subject Date of Birth" is set to <i>Not Used</i> or <i>Only Year of Birth</i> . Y - if "Study Parameter Configuration - Collect Subject Date of Birth" is set to <i>Only Year of Birth</i> . 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> . N - if "Study Parameter Configuration - Sex Required" is set to <i>No</i> . Y - if "Study Parameter Configuration - Collect Subject Date of Birth" is set to <i>Yes</i> . N - if "Study Parameter Configuration - Collect Subject Date of Birth" is set to <i>Not Used</i> or <i>Only Year of Birth</i> . Y - if "Study Parameter Configuration - Collect Subject Date of Birth" is set to <i>Only Year of Birth</i> . 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> . N - if "Study Parameter Configuration - Collect Subject Date of Birth" is set to <i>Not Used</i> or <i>Only Year of Birth</i> . Y - if "Study Parameter Configuration - Collect Subject Date of Birth" is set to <i>Only Year of Birth</i> . 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>Only Year of Birth</i> . 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 Protocol ID	StudyBean:identifier	study:unique_identifier	N/A	String	<identifier>study identifier</identifier>	Y
siteRef:identifier	Unique Protocol ID	StudyBean:identifier	study:unique_identifier	N/A	String	<identifier>site 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 message indicating reason of failure</error>
studySubject:label	StudySubject ID	StudySubjectBean:label	study_subject:label	<label>label</label>	n/a
studySubject:secondaryLabel	Secondary ID	StudySubjectBean:secondaryLabel	study_subject:secondary_label	<secondaryLabel/> or <secondaryLabel>label</secondaryLabel>	n/a
subject:uniqueIdentifier	Person ID	SubjectBean:uniqueIdentifier	subject:unique_identifier	<uniqueIdentifier/> or <uniqueIdentifier>uId</uniqueIdentifier>	n/a
subject:gender	Sex	SubjectBean:gender	subject:gender	<gender>m</gender> or <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 Date/Time	StudyEvent:dateStarted	study_event:date_start	<startDate>2010-08-16</startDate>	n/a
event:startTime	Start Date/Time	StudyEvent:dateStarted	study_event:date_start	<startTime>12:00:00</startTime>	n/a
event:endDate	End Date/Time	StudyEvent:dateEnded	study_event:date_end	<endDate>2010-08-16</endDate>	n/a
event:endTime	End 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">
  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>