

16.3 Participants (Add or Update a Participant)

This Endpoint can be Called to Perform the Following Tasks:

- Add a participant to a given site.
- Update participant contact information like first name, last name, email address or phone number.
- Register the participant to access OpenClinica Participate dashboard.

Stipulations:

- Participants can be registered for OpenClinica Participate ONLY when the Participate module is Active for the given study.
- Study-level participants can't be added to Participate or have contact data entered for them.
 - CRCs and Investigators cannot see Study-level participants, so it is best practice to always add participants to a site.
- Site-level Participants cannot be reassigned to the study-level (only reassigning to a site is possible).
- This endpoint can be called either when the study has the Participant ID Method set to "Manual Entry" or "System-generated"

Access Control:

- User roles **authorized** to call this endpoint and perform the specified operations:
 - Data Managers
 - Clinical Research Coordinators
 - Investigators
- Site level roles can perform this operation only on their site's participants.
- User roles **NOT authorized** to call this endpoint:
 - Monitors (study level and site level)
 - Viewers (study level and site level)

URL:

POST {customerName}/pages/auth/api/clinicaldata/studies/{studyOID}/sites/{siteOID}/participants (Site-level)

POST {customerName}/pages/auth/api/clinicaldata/studies/{studyOID}/participants (Study-level)

where {customerName} is your study URL. For example:
<https://studyxyz.openclinica.io/OpenClinica>.

Sample cURL Request:

```
curl -X POST \
'{{serverName}}/pages/auth/api/clinicaldata/studies/S_JUNO%28PROD%29/sites/S_OHIO%28TEST%29/participants?register=y' \
-H 'Authorization: bearer {{authentication token}}' \
-H 'Content-Type: application/json' \
-d '{
  "subjectKey": "OHIO-5",
  "firstName": "OHIO-5",
  "lastName": "OHIO",
  "emailAddress": "OHIO5@openclinica.com",
  "phoneNumber": "+12582235452"
  "identifier": "ABC-35452"
}'
```

Request Parameters:

- register: Optional
 - Whether or not to register the participant for OpenClinica Participate
 - Possible values: **y** or **n**
 - Default is **n**

Response Body on Success:

```
{
  "subjectKey": "OHIO-6",
  "subjectOid": "SS_OHIO6",
  "status": "Available",
  "participateStatus": "Created"
}
```

Response Body on Failure:

```
{
  "message": [
    "errorCode.noRoleSetUp"
  ],
  "params": [
    "studyOID S_JUNO(TEST)",
    "siteOID S_OHIO(TEST)"
  ]
}
```

Below is the List of errorCodes with their Descriptions:

- **errorCode.studyNotExist:** The study OID specified in the request is not found.
- **errorCode.studyNotAvailable:** The study OID specified in the request is not in 'Available' status.
- **errorCode.siteNotExist:** The site OID specified in the request is not found.
- **errorCode.siteNotAvailable:** The site OID specified in the request is not in 'Available' status.
- **errorCode.noRoleSetUp:** The user has no role assigned for the given study/site.
- **errorCode.noSufficientPrivileges:** The user does not have sufficient privileges to perform this operation.
- **errorCode.participateNotEnabled:** OpenClinica Participate module is not active for the given Study and therefore, the operation is NOT allowed.
- **errorCode.participantIDContainsUnsupportedHTMLCharacter:** The Participant ID contains unsupported HTML (<, >) characters.

- **errorCode.participantIDLongerThan30Characters:** The Participant ID exceeds the 30 character limit.
- **errorCode.participantsEnrollmentCapReached:** The pre-set Participant enrollment limit has reached. No new participants can be added to this study.
- **errorCode.invalidPhoneNumber:** The phone number in the specified request is invalid.
- **errorCode.invalidEmailAddress:** The email address in the specified request is invalid.
- **errorCode.emailAddressTooLong:** The email address in the specified request is too long.

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