17.3 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 mobile 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 customer URL. For example: https://customerxyz.openclinica.io/OpenClinica

Sample cURL Request:

```
curl -X POST \
'{{serverName}}/pages/auth/api/clinicaldata/studies/S_JUNO%28PROD%29/sites/S_
OHI0%28TEST%29/particiSubmitpants?register=y' \ -H 'Authorization: Bearer
{{authentication token}}' \ -H 'Content-Type: application/json' \ -d '{
```

```
"subjectKey": "OHIO-5", "firstName": "OHIO-5", "lastName": "OHIO",
"emailAddress": "OHIOS@openclinica.com", "phoneNumber": "+1 1234567890" }'
```

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.