

Kanta

Creating a Patient resource in the sandbox environment without an authorization functionality

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NB!

These instructions are solely related to creating a Patient resource in the sandbox environment **without an authorization functionality.**

The patient resource is needed for reference purposes and has an assigned uuid (that matches the official SSN when using authorization). **Without the authorization, a random UUID can be used.**

(When you use the authorization with your application, a mapping of the SSN and the uuid will be created by the PHR platform during the authorization code flow. At that moment, a Patient resource matching the uuid mapping is created, and the uuid is returned with the token response for application to use. See PHR authorization guide for detailed information.)

1. Creating an uuid identifier (pseudonym) for a patient

- Generate an uuid identifier. Numerous uuid generators exists on web which you can use to generate an uuid.
- The generated identifier will be used as a Patient resource's id (logical id) and also as an identifier value (business id). The idea to use an uuid to identify patients is to create a pseudonym, thus the patient's identity number will not be saved in a Patient resource instance. This is also the logical id needed to create resource references.
- The example on the next page uses the uuid 49d62881-acab-486d-a08e-414d715463ea - each patient resource needs an unique identifier so create your own one. This way other developers won't be using the same patient by accident.

2. A Patient resource

To create the patient in sandbox, a Patient resource needs to be saved. The Patient resource json is very simple, just the uuid you have generated and a field marking the actual Patient resource status active.

In the FHIR Patient resource, the uuid is provided in two fields:

- Patient.id (logical id) in section 49d62881-acab-486d-a08e-414d715463ea
- Patient.identifier (business id) in section urn:uuid:49d62881-acab-486d-a08e-414d715463ea

```
{
  "resourceType": "Patient",
  "id": "49d62881-acab-486d-a08e-414d715463ea",
  "meta": {
    "profile": [
      http://phr.kanta.fi/StructureDefinition/fiphr-patient-stu3
    ]
  },
  "identifier": [
    {
      "system": "urn:ietf:rfc:3986",
      "value": "urn:uuid:49d62881-acab-486d-a08e-414d715463ea"
    }
  ],
  "active": true
}
```

3. Creating a Patient instance in the sandbox environment

OPTION 1:

1. Open Sandbox Patient resource control interface (Patient link in the left border).
2. Press Patient resource CRUD Operations tab.
3. Locate Create operation section:
 - Copy your Patient resource json (as shown in the example in the previous page) into Contents text area field, **with your own uuid.**
 - Copy the uuid in the ID text area field and press Create button.

→ The Patient resource is now created.

OPTION 2:

You can perform PUT <http://fhirsandbox.kanta.fi/phr-resourceserver/baseStu3/Patient/fa7240be-b586-11e7-abc4-cec278b6b50a> **with your own uuid** and the JSON resource in the body. Patients are a special case where sandbox stores the given uuid as the logical identifier.

4. Referring to the patient resource from other resources

Once the patient resource is saved, other resources can point to it. To make a resource reference with logical id, the format is "Patient/generated-uuid".

In the following example, the reference is made from another resource's subject value (uuid is a logical id of a resource, means Patient.id, NOT Patient.identifier).

```
"subject": {  
    "reference": "Patient/49d62881-acab-486d-a08e-414d715463ea"  
}
```