



EXERCISES

Track: EHR
Tutorial: FHIR Patient Consent Model
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During the hands-on session of the FHIR Patient Consent tutorial we will explore how to retrieve a patient's consent record. As discussed during the tutorial, there are several elements to consent when a patient wants to share their health information: the record of consent, the subject of that record, and the actor that is the target of that consent. In the following exercises, we will explore the SMART family and understand how a child's consent record allows the parent to view and share the child's health data:

1. Retrieve a consent by a patient's ID
2. Search for a patient's consent using their identifier
3. Retrieve a consent by using the actor's ID
4. Search for a patient's consent using an actor's identifier
5. Retrieve a Contract, Patient, and RelatedPerson resource in one call.

1. Retrieve a consent by a patient's ID

Contract is the DSTU2 FHIR resource that represents consent. This becomes consent is STU3. For this exercise, we will use DSTU2 to represent a consent record. We will retrieve a consent for Timmy SMART to see that his mom, Nancy SMART, can share his health information.

- Using postman or a client retrieve the contract resource(s) for Timmy (4342012)

```
o https://fhir-open.sandboxcerner.com/dstu2/0b8a0111-e8e6-4c26-a91c-5069cbc6b1ca/Contract?subject:Patient=4342012
```

2. Search for a patient's consent using their identifier

FHIR client may not have the ID for the patients in all cases. For this exercise, we will use the patient's identifier to retrieve the consent record.

- Using postman or a client retrieve the contract resource(s) for Timmy (4342012)

```
o GET https://fhir-open.sandboxcerner.com/dstu2/0b8a0111-e8e6-4c26-a91c-5069cbc6b1ca/Contract?actor.identifier=<system>|<identifier>
```

3. Retrieve a consent by using the actor's ID

- Using postman or a client retrieve the contract resource(s) for Timmy (4342012)

```
o https://fhir-open.sandboxcerner.com/dstu2/0b8a0111-e8e6-4c26-a91c-5069cbc6b1ca/Contract ?actor:RelatedPerson=4342010
```

4. Search for a patient's consent using an actor's identifier

- Using postman or a client retrieve the contract resource(s) for Timmy (4342012)

```
o https://fhir-open.sandboxcerner.com/dstu2/0b8a0111-e8e6-4c26-a91c-5069cbc6b1ca/Contract ?actor.identifier=<system>|<identifier>
```

5. Retrieve a Contract, Patient, and RelatedPerson resource in one call

- Using postman or a client retrieve all the consent resource(s) for Timmy (4342012)

```
o https://fhir-open.sandboxcerner.com/dstu2/0b8a0111-e8e6-4c26-a91c-5069cbc6b1ca/Contract?subject:Patient=4342012&_include=Contract:patient&_include=Contract:actor
```

Have fun, and remember to ask for help if you get stuck !