Java library designed to simplify access to FHIR data:

HAPI FHIR

[http://jamesagnew.github.io/hapi-fhir/index.html](http://jamesagnew.github.io/hapi-fhir/index.html" \t "_blank)

## Worked examples:

For worked examples (in Python), see [this ipython notebook](http://nbviewer.ipython.org/url/docs.smarthealthit.org/authorization/smart-on-fhir-jwt-examples.ipynb).

# Immunizations:

Each [Immunization](http://www.hl7.org/implement/standards/fhir/immunization.html#Immunization) must have:

* 1 patient in Immunization.subject
* 1 refusal indicator in Immunization.refusalIndicator
* 1 self-reported indicator in Immunization.reported
* 1 vaccine code in Immunization.vaccineType

#### Vaccines coded with CVX

Each immunizations is coded with a vaccineType drawn from CDC's [CVX vocabulary](http://www2a.cdc.gov/vaccines/iis/iisstandards/vaccines.asp?rpt=cvx). This is a coding with: System:http://www2a.cdc.gov/vaccines/iis/iisstandards/vaccines.asp?rpt=cvx

##### **Example:** [**https://fhir-open-api.smarthealthit.org/Immunization/18**](https://fhir-open-api.smarthealthit.org/Immunization/18?_format=json)

# Client libraries - JavaScript

Please see <https://github.com/smart-on-fhir/client-js>

SMART on FHIR: http://docs.smarthealthit.org/