

OpenMRS FHIR Module

The OpenMRS FHIR module supports the ability to export and import data in the form of [FHIR Resources](#).

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Other interested parties / experts	Andrew Kanter for MVP CIEL Dictionary Burke Mamlin Jonathan Teich Jonathan Dick

Where can you find us ?

On Talk

<https://talk.openmrs.org/c/projects/fhir>

On Slack

Slack Channel : <https://slack.openmrs.org/>

Slack Channel: [#fhir](#) and [#fhir-development](#)

Standing Weekly Call:

Every Wednesday : Join zoom from computer or mobile: <https://iu.zoom.us/j/271744281>

- 7pm EAT
- 4pm UTC
- 11AM EST (Boston)
- 10AM CST (Chicago)
- 8AM (Seattle)

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Quick introduction

What is FHIR?

- [Five things to know about FHIR](#)
- [Introduction to FHIR](#)
- [FHIR for developers](#)
- [OpenMRS University Webinar: An Introduction to the FHIR API Webinar](#)

Current FHIR efforts

[JIRA Tickets](#)

[Github Module Code](#)

We are working on the following to improve our work on FHIR:

- [Support the import / export of laboratory information via the FHIR module](#)

Current status of FHIR support (last updated 2020-05-18)

To date, the FHIR module supports the following resources and actions. Note that all URLs are prefixed with the OpenMRS URL prefix (usually "/openmrs") and the FHIR module-specific prefix ("/ws/fhir2/R4") then the resource name. So, for example, the full URL for a Person resource might be something like: `http://localhost:8080/openmrs/ws/fhir2/R4/Person/{uuid}`.

Resource	GET	Search	POST	UPDATE	DELETE	Operations	Comments
Person	/	?name={string}					
	/	?gender={male female unknown null}					
		?birthdate={date-range}					
		?address-city={string}					
		?address-state={string}					
		?address-country={string}					
		?address-postalcode={string}					
Patient	/	?name={string}					
	/	?given={string}					
		?family={string}					
		?identifier={string}					
		?gender={male female unknown null}					
		?birthdate={date-range}					
		?death-date={date-range}					
		?deceased={true false}					
		?address-city={string}					
		?address-state={string}					
		?address-country={string}					
		?address-postalcode={string}					
Practitioner	/	?name={string}					
	/	?identifier={string}					
Location	/	?name={string}					
	/	?address-city={string}					
		?address-state={string}					
		?address-country={string}					
		?address-postalcode={string}					
		?partOf={reference}					
		?_tag={string}					
Encounter	/	?subject={reference}					
	/	?subject.identifier={string}					
		?subject.given={string}					
		?subject.family={string}					
		?subject.name={string}					
		?date={date}					
		?location={reference}					
		?location.address-city={string}					
		?location.address-state={string}					
		?location.address-country={string}					
		?location.address-postalcode={string}					
		?participant={reference}					
		?participant.identifier={string}					
		?participant.given={string}					
		?participant.family={string}					
		?participant.name={string}					
Observation	/	?encounter={reference}					
	/	?subject={reference}					
		?subject.identifier={string}					
		?subject.given={string}					
		?subject.family={string}					
		?subject.name={string}					
		?code={codeable concept}					
		?date={date}					
		?value-concept={codeable concept}					
		?value-date={date}					
		?value-quantity={quantity}					
		?value-string={string}					
AllergyIntolerance	/	?patient={reference}					
	/	?patient.identifier={string}					
		?patient.given={string}					
		?patient.family={string}					
		?patient.name={string}					
		?category=[food medication environment biologic]					
		?code={codeable concept}					
		?severity={codeable concept}					
		?manifestation={codeable concept}					
		?clinical-status={codeable concept}					

Condition	/	?patient={reference} ?patient.identifier={string} ?patient.given={string} ?patient.family={string} ?patient.name={string} ?subject={reference} ?subject.identifier={string} ?subject.given={string} ?subject.family={string} ?subject.name={string} ?code={codeable concept} ?clinical-status={codeable concept} ?onset-date={date} ?onset-age={quantity} ?recorded-date={date}	/				
Medication	/	?code={codeable concept} ?form={codeable concept}?status={codeable concept}	/	/{uuid}	/{uuid}		
MedicationRequest	/						
DiagnosticReport	/{uuid}		/	/{uuid}			
ServiceRequest	/{uuid}						
Task	/{uuid}	?based-on={reference} ?owner={reference} ?status={token}	/	/{uuid}			

Explore FHIR support for OpenMRS

Interested in learning more about our current support for FHIR? Contact either [Christina White](#) or [Ian Bacher](#) !