Goals and Objectives

To align FHIR and the OMOP CDM for the purposes of building an oncology learning health system that exchanges patient data for large scale observational studies and analytics.

Initial Use Case:

Cancer registry-driven Oncology EHR that captures basic oncology diagnosis and staging information is sent as a set of FHIR resources that is translated to the OMOP CDM for treatment over a time series - captured longitudinally. Elements for mapping include:

- conditions,
- treatments,
- outcomes,
- journeys,
- pre-diagnosis,
- exposures,
- indications,
- pre-existing co-morbidities,
- risk factors,
- genomic variants.
- consider a familial tie to attach to the record based on consent (use case: pediatric oncology)
- recurrence

Meeting Minutes

- FHIR-OMOP Oncology - Kickoff Meeting

Useful Links

HL7

mCODE: http://build.fhir.org/ig/HL7/fhir-mCODE-ig/branches/master/index.html

OHDSI-OMOP

- OMOP Oncology CDM WG: https://github.com/OHDSI/OncologyWG
- OMOP Genomics CDM Extension: https://github.com/OHDSI/Genomic-CDM