

# FHIR+ OMOP WG Purpose

To facilitate the collaboration between OHDSI and HL7 agreed by both parties in 2021. The work group will develop and validate standard transformation specifications and canonical maps between data conformant to FHIR to OMOP CDM, and from OMOP CDM to FHIR.



# FHIR + OMOP WG Accomplishments

- Convened 3 broad-based community meetings engaging stakeholders.
- Formed 4 subgroups, each meeting on a weekly or bi-weekly basis composed of community members from the HL7 and OHDSI communities.
- Participation in 2 HL7 FHIR Connectathons demonstrating Oncology Use Case transformation from FHIR to OMOP.
- Convened community calls / exploration of 2 community generated use-cases: Digital Quality Measurements & Oncology.
- Developed system architecture & functional requirements for Digital Quality Measurement validation using OMOP & FHIR.
- Developed set of requirements for OMOP / FHIR Harmonization required to support Oncology Use Case.
- Developed proposal / approach for utilization of OMOP Vocabulary on FHIR (FHIR Extension).
- Identified semantic and structural patterns required for model harmonization between FHIR & OMOP CDM.
- Collaborated with Vulcan FHIR to OMOP project.
- Convened day-long workshop at OHDSI Symposium



# FHIR + OMOP 2023 Objectives

- Consolidate the 4 subgroups into one working group and synthesize outputs from the subgroups and prior HL7 IGs work into a draft specification transforming OMOP v5.4 to FHIR R5 for core EMR data elements
- Develop draft (i.e. for broader consultation) specification (FHIR extension) for hosting OMOP Vocabulary on a FHIR Terminology Server
- Convene one (or more) Hack- / Transform-athon meeting(s) to validate and improve generated specifications

