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Connectathon Information
Announcements

HL7 SDOH CC FHIR IG Public Meetings scheduled Wednesdays from 3:00pm to 4:00pm ET

- The Technical Team and HL7 Patient Care Workgroup meet Wednesdays from 3 to 4 pm ET.
- Agenda and meeting materials available here.
- HL7 Calendar Information available here: http://www.hl7.org/concalls/CallDetails.cfm?concall=54505

REGISTER: CMS HL7® FHIR Connectathon, July 19th-21st, 2022

The Gravity Project will be participating in the CMS HL7 FHIR Connectathon. Learn more about Gravity’s track here.

- Register for the CMS HL7 Connectathon here by May 31st.
- Note, no fees are associated with participation in this Connectathon.

Why participate in the Gravity track Connectathons?

- To create more value for your customers by providing new integration and data exchange opportunities.
- Reduce development costs of complying with forthcoming regulations by educating development teams about new standards early and often. Reacting to regulations when they come and “scrambling” to comply can increase costs.
- Allow your developers to influence standards before they become regulations. This may also reduce costs of implementing standards when regulations come, ease the burden on your customers as a result of implementing new standards, and may create new integration and data exchange opportunities.
- Integrating “standards by design” into your core value proposition has the potential to set your business up for continued growth and success as FHIR and other data standards become more widely adopted and used.
- For systems working towards adopting or already implementing USCore profiles that will subsequently be required under the ONC Certification program, tying in testing could mean an easier lift. The Gravity SDOH STU1 Referral Recipient-Light use case supports accessing/updating information from referral sources.
- Member of the Gravity Project Technical Advisory Committee (TAC) roles and responsibilities outlined in the TAC Charter include supporting the testing, validation, and maturity of Gravity identified standards through activities, including but not limited to, participation in at least one FHIR Connectathon each year either as a non-observer or as part of a non-observer Connectathon participant team.

Gravity HL7 FHIR IG Publication
The Gravity Project Team is pleased to announce the formal publication of the HL7 FHIR SDOH Clinical Care Implementation Guide (IG) which can be found here. The IG is supported by a Reference Implementation (RI) available here. The most updated RI will be used to test the SDOH FHIR IG at the September 13-15, 2021 HL7 FHIR Connectathon.

Project Introduction

The Gravity Project creates and maintains a consensus-building community to expand available Core Social Determinant of Health (SDOH) Data for Interoperability and accelerate standards-based information exchange by using HL7 FHIR. Gravity Project is part of the HL7 FHIR Accelerator Program.

Many of the recent innovations at scale in this area begin with the strategic collection of SDOH data. As examples, the Centers for Medicare & Medicaid Services Innovation Center (CMS Innovation Center) Comprehensive Primary Care Plus Model requires providers to assess patients' social risks; and the CMS Innovation Center’s Accountable Health Communities Model developed a social risk assessment tool to help identify and address social risks across clinical and community-based settings. However, presently there is no consensus on the coding and standards-based modeling to facilitate the data uses envisioned for SDOH information. The Gravity Project is addressing the question of how to record and document SDOH information in the clinical care setting, across the four primary activities of care (screening, assessment/diagnosis, care planning, and treatment).

The FHIR IG work for Gravity will include several iterative builds of the SDOH-CC IG, multiple rounds of Connectathon testing, and periodic updates to summarize this work for the Community. General education about FHIR IG development and HL7 ballot participation will be provided to build awareness and develop skills relevant for participation in standards development at the Community level.

Project Deliverables

The Gravity Project will incrementally develop one (1) FHIR IG covering the capture and exchange of multiple SDOH domains across the four clinical activities of screening, diagnosis (health concerns), goals, and interventions.

- **Phase I Domains (2019-2020)**
  - Food Insecurity
  - Housing Instability, Homelessness, and Inadequate Housing
  - Transportation Insecurity
  - Financial Insecurity
  - Demographics (educational attainment, employment, veteran status)

- **Phase II Domains (2021)**
  - Material Hardship
  - Social Connection
  - Stress
  - Elder Abuse
  - Intimate Partner Violence

Gravity FHIR SDOH Clinical Care IG Scope

The Gravity Project will incrementally develop one (1) FHIR IG covering the capture and exchange of multiple SDOH domains across the four clinical activities of screening, diagnosis (health concerns), goals, and interventions.
1. Document SDOH data in conjunction with the patient encounter
2. Set SDOH related goals.
3. Establish and related interventions to completion.
4. Measure outcomes.
5. Gather and aggregate SDOH data or uses beyond the point of care (e.g. population health management, quality reporting, and risk adjustment/risk stratification).
6. Manage patient consent

Enabling Survey Instruments

Survey → LOINC Panel (Survey Instruments) Include Health Concern Algorithm

Conversion to FHIR Questionnaire (enhanced NLM LHC-Forms Widget)

Execute FHIR Questionnaire (enhanced NLM SDC Questionnaire App)

QuestionnaireResponse → Observation (survey question-answer pair) → Condition Health Concern

Establish complete survey as LOINC Components with LOINC Answer Lists Add calculation logic for Questionnaire

Build executable FHIR Questionnaire with logic to create LOINC-LOINC Observations and SNOMED-CT/ICD10-CM Health Concerns

Value Sets – based on SDOH Domain Definitions

Note: all Survey instruments produce Health Concerns with Gravity defined value sets

Timeline (updated 2021.07.27)
If you have any questions, please contact Gravity Technical Director, Robert Dieterle at rdieterle@enablecare.us