SDOH Data Element Profiles

Owning Workgroup

HL7 Patient Care (PC WG)

Committee Approval Date:

Sept 2019 (original approval date)
Updated Proposal approved by FMG on 11/18/2020 and PC on 11/23/2020

Publishing Lead

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Contributing or Reviewing Work Groups

HL7 Vocabulary (VOCAB)

FHIR Development Project Insight ID

1567

Scope of coverage

The Gravity Social Determinant of Health (SDOH) Data Element FHIR implementation guide (IG) intends to formalize the SDOH-specific data-elements sufficient to support screening, diagnosis, care planning, treatment and secondary uses such as research, risk adjustment, and quality measurement. The FHIR implementation guidance focuses on data elements determined to be relevant by the Gravity Project Community to three core use cases:

- Document SDOH data in conjunction with the patient encounter.
- Document and track SDOH related interventions to completion.
- Gather and aggregate SDOH data for uses beyond the point of care (e.g., population health management, quality reporting, and risk adjustment/risk stratification).

The implementation guide is expected to cover these three core use cases first for multiple SDOH domains (e.g. Food Insecurity).

Content location

https://github.com/HL7/fhir-sdoh-clinicalcare

Proposed IG realm and code

IG Realm is US

Codes for the IG will be sdoh-clinicalcare for the use cases driven out of the Clinical Care setting.
Maintenance Plan

The Gravity Project and PC WG are aware and willing to maintain the content in the future. The Gravity Project engages a large multi-stakeholder group committed and funded to evolve and maintain the content.

Our team is collaborating with SNOMED CT, Regenstrief (LOINC) and Code System SDOs who steward ICD-10, CPT and HCPCs to define the required unique concepts in each of these code systems.

Short Description

This IG defines focuses on the exchange of information related to social determinates of health (such as Food Insecurity, Housing Instability, and Transportation). The IG defines FHIR Profiles for Observation, Condition, Goals, ServiceRequest, Procedure, Consent and Group resources to appropriately constrain these resources for use in documenting SDOH related care activities including: assessments, diagnosis, goal setting, intervention planning and intervention performing.

Long Description

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This IG defines FHIR profiles for data elements that are envisioned to be recorded in the clinical care setting:

1. Gathering and Documenting SDOH information in a clinical setting
2. Documenting and Tracking to completion SDOH interventions
3. Sharing individual's SDOH information with organizations for secondary uses

Involved parties

The SDOH IG is being authored through a formal collaboration under the FHIR Accelerator Program through the Gravity Project working together with the larger HL7 Community through the PC WG. The effort engages a wide range of organizations and individual contributors that informally refer the themselves as the Gravity Community, which includes representatives from 13 different types of organizations, standards developers, various health IT vendors, and interested solution vendors.

Expected implementations

Pilots are being defined as part of the ONC/HL7 COVID Grant and will include multiple technology vendors, providers, HIE, community based organization, and payers.

Content sources

Social Intervention Research and Evaluation Network,
American Academy of Nutrition and Dietetics, American Medical Association

The Gravity Project solicits input from over 250 different organizations from 13 different stakeholder groups.

Example Scenarios

Gathering SDOH Screening Results.
Documenting Clinical Assessment Observations of SDOH needs and risks.
Documenting SDOH related Health Concerns / Problems / Diagnosis.
Defining and exchanging planned and completed interventions and evaluation of progress toward recorded goals.

IG Relationships

The SDOH FHIR IG is intended to target compliance with a suite of FHIR R4-compliant standards.

Timelines

STU January 2021

FMG Notes