

The Gravity Project



Food Insecurity Data Set Identification
October 24, 2019

SIRENetwork.ucsf.edu

Welcome

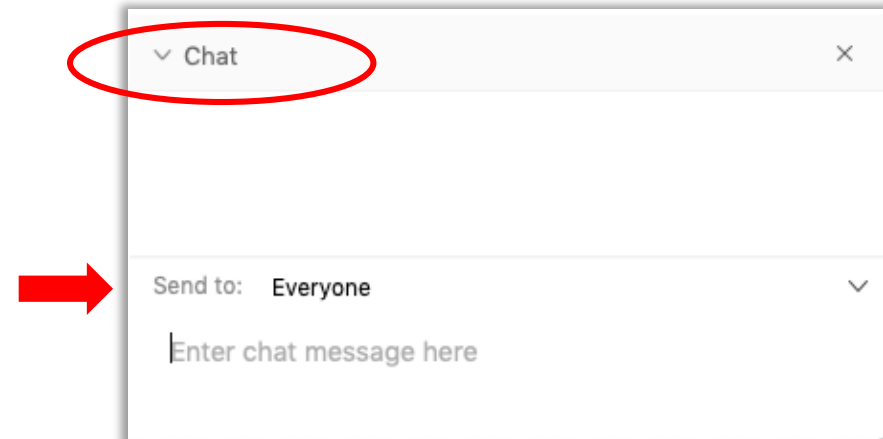
Thank you for joining the **Gravity Project** Workgroup meeting!

Due to the large number of attendees, participants are **muted upon entry**. Please remain muted to avoid background noise.

- This call is being recorded; recording will be available on the Gravity Confluence page following the meeting.

You are encouraged to actively participate in the discussion using the Webex chat feature (bottom right of the Webex Meeting window).

Please send chats to “Everyone.”



Gravity Project Participation

- If you have not already done so, we invite you to officially join the project here:
<https://confluence.hl7.org/display/GRAV/Join+the+Gravity+Project>
- If you want to check whether you have already signed up or if others from your organization have signed up, please review the existing membership here:
<https://confluence.hl7.org/pages/viewpage.action?pageId=46892669#JointheGravityProject-GravityProjectMembershipList>
- For all other Gravity Project information, please visit:
<https://confluence.hl7.org/display/GRAV/The+Gravity+Project>

Agenda

Topic	Presenter
Welcome	Lynette
Data Element Submission Status	Linda
End to End Review – Interventions	Donna
FHIR IG Development Process Part III	Lisa
Next Steps	Lynette

Please submit questions and comments using the Webex chat feature.

Gravity Project Schedule and Activities (Sept to Oct)

Week	Target Date	Gravity WG Meeting Tasks	Homework
16	9/12	Food Insecurity Data Sets & Value Sets Gaps	Review Food Insecurity Master List
17	9/26	CANCELED	Review Food Insecurity Master List
18	10/10	<i>Begin:</i> End-to-End Review Working Session <i>Introduce:</i> FHIR Implementation Guide (IG) Development Process Part I	Review Food Insecurity Master List Review Food Insecurity Screening Summary List
19	10/17	End-to-End Review Working Session FHIR IG Development Process Part II	Review Food Insecurity Master List
20	10/24	End-to-End Review Working Session FHIR IG Development Process Part III	Review Master List and Gravity Project Food Insecurity Definitions
21	10/31	End-to-End Review Working Session FHIR IG Development Process Part IV	Review Master List and Gravity Project Food Insecurity Definitions



Gravity Project Schedule and Activities (Nov to Dec)

Week	Target Date	Gravity WG Meeting Tasks	Homework
22	11/7	<i>Review: End-to-End Comment Dispositions To-Date</i> FHIR IG Development Process Part V	Review Master List and Gravity Project Food Insecurity Definitions
23	11/14	<i>Review: Food Insecurity Consensus Voting Process</i> FHIR IG Development Process Part VI	Food Insecurity Consensus Voting (11/15 – 12/1)
24	11/21	FHIR IG Development Process Part VII	Food Insecurity Consensus Voting (11/15 – 12/1)
25	11/28	NO MEETING THANKSGIVING HOLIDAY	Happy Thanksgiving! Enjoy your holiday!
26	12/5	NO MEETING Internal Reconciliation of Consensus Votes and Comments	Submit: Housing Instability Data Elements
27	12/12	<i>Review: Consensus Voting Results and Dispositions</i> <i>Overview: FHIR IG Review Process</i>	Review FHIR IG and Submit Comments Submit: Housing Instability Data Elements

Please note: The December 12 meeting will be the last community meeting in 2019.

Data Elements Submission Status

Data Element Submissions Summary

Total Submissions Received = 19

Screening Tool/ Questions	Diagnosis	Goal	Intervention
56 Tools / 203 Questions	60	13	147

Submissions Reviewed = 19

Disposition	Disposition	Disposition	Interventions
Add – 14 Tools/98 Questions	Add – 1		Add - 26
Duplicates – 20 Tools/ 70 Questions	Duplicates – 120	Duplicate – 4	Duplicates – 82 Synonymous - 27
Do Not Add – 18 Tools/82 Questions	Do Not Add – 11	Do Not Add - 3	Do Not Add – 11
Park - 2 Tools/ 4 Questions	Park - 2		Park - 2

Total Submissions Returned* = 18

* Adjudication completed and file returned to submitter with dispositions

Adjudication Disposition Recap

Adjudication Status	Definition	Disposition
Duplicate Data Element	Conceptually similar, same code(s), same answers for questions	Submitter will be added as contributor for the data element in the Master file
Add Data Element	In scope, fit for purpose, not too broad and not too narrow	Data element will be added to the Master file
Do Not Add - Park	Not in scope for this domain but may be useful for another Gravity Domain (housing insecurity, transportation)	Will be added to a Parking File for future review
Do Not Add	Not in scope for this domain or another Gravity domain, not well formed, not fit for purpose	Will be noted on adjudication file with reason
On-Hold (Info Needed)	Need additional clarification from submitter	Will be noted on adjudication file with additional information needed

End to End Review: Intervention Submissions

Interventions Framework

- **Referral to** (_____) – (Insert **role**) a type of order wherein clinicians/providers request services and/or assessment from other professionals and/or **programs**
- **Provision of** (_____) (direct supports/aid) For the purposes of our project provision covers any concrete support that is able to be given to the patient directly at the point of service
- (_____) **Counseling** – Psychosocial procedure that involves mental/behavioral strategies such as listening, reflecting, etc. to facilitate recognition of course of action / solution.
- (_____) **Education** – Procedure that is synonymous with those activities such as teaching, demonstration, instruction, explanation, and advice that aim to increase knowledge and skills, change behaviors, assist coping
- **Assessment** of (_____) – Assessment includes both the process of provider clinical observation and interpretation and the utilization of assessment tools. In both activities the aim is to arrive at outcomes that define the status of the patient in order to guide further care.
- **Evaluation** of eligibility for (_____) – Chosen to mark the activities prior to determination of eligibility. (Crucial for federal food assistance programs)
- **Assistance** with (_____) – Non-clinical aid with the tasks of care: applications, setting up appointments, etc.
- **Coordination** of (_____) - organizing activities and sharing information

End to End Review: Interventions

Assessment for/of

Examples

- Food insecurity
- Patient goals
- Progress toward goals

End to End Review: Interventions

Coordination of

Examples

- Care plan
- Care team
- Resources to address food insecurity

End to End Review: Interventions

Examples

- Food
- Fresh fruit and vegetable voucher
- Infant formula prescription

Provision of

End to End Review: Interventions

Examples

- Barriers to
 - Engagement
 - Goals
- Readiness for
 - Engagement
 - Goals
- Cognitive behavioral therapy
- Motivational interviewing
- Goal setting strategy
- Problem solving strategy



End to End Review: Interventions

Referral to

Examples

- Roles
 - Case manager
 - Care navigator
- Organizations
 - Community action agency
- Programs

End to End Review: Interventions

Examples

- Nutrition related skills education
- Technical nutrition education
- Benefits enrollment assistance education

Education

End to End Review: Interventions

Education

Evaluation of eligibility for

Referral to

Assistance with application

Examples

- Senior congregate meals
- Special supplemental nutrition program for women, infants, and children (WIC)
- Supplemental nutrition assistance program (SNAP)
- Home delivered meals

End to End Review: Interventions

CPT codes

- Health risk assessment (1)
- Health and behavior assessment (1)
- Health behavior intervention (4)
- Nutrition counseling (3)
- Preventive medicine counseling and risk factor reduction (6)
- Case management*

End to End Review: Intervention Programs

Program Concept	Definition
Child and adult care food program	A government program that provides reimbursements for nutritious meals and snacks to eligible children and adults who are enrolled for care at participating childcare centers, day care homes, and adult day care centers. The program also provides reimbursements for meals served to children and youth participating in afterschool care programs, children residing in emergency shelters, and adults over the age of 60 or living with a disability and enrolled in day care facilities.

End to End Review: Intervention Programs

Program Concept	Definition	Includes
Community meal program	Meals for a target group	Congregate meals
Food and nutrition incentive program	Financial incentives or matching programs to promote consumption of healthful foods including produce via community supported agriculture and other initiatives	Gus Schumacher Nutrition Incentive program Senior farmers market program

End to End Review: Intervention Programs

Program Concept	Definition	Includes
Food pantry program	A community based supportive food and nutrition program offering food to individuals for consumption.	FDIPR (Food Distribution Program on Indian Reservation) School based pantry program
Food prescription program	Prescription from a health care provider to access foods recommended, which also includes vegetables, fruits, and prescriptions for other foods	Food prescription Produce prescription Veggie prescription

End to End Review: Intervention Programs

Program Concept	Definition
Food provision program	Food offered when a support need is identified. Examples include groceries as part of an education opportunity (eg, cooking class), commodity food program, food rescue or gleaning program (eg, produce brought to a clinic), or weekend food backpack program
Garden program	Actions to plant gardens to produce foods for consumption

End to End Review: Intervention Programs

Program Concept	Definition
Medically tailored meals	Meals customized to a person's medical needs and provided for consumption
School meal and snack program	Meals and snacks that meet specific nutrition standards and are available to school-aged children throughout the year

End to End Review: Intervention Programs

Program Concept	Definition	Includes
Special supplemental nutrition program for women, infants, and children (WIC)	Supplemental foods, health care referrals, and nutrition education for low-income pregnant, breastfeeding, and non-breastfeeding postpartum women, and to infants and children up to age five who are found to be at nutritional risk	WIC farmers market program
Summer meal and snack program	A program that reimburses program operators who serve free healthy meals and snacks to children and teens in low-income areas	--

End to End Review: Intervention Programs

Program Concept	Definition	Includes
Supplemental nutrition assistance program	A government-based nutrition benefit program to supplement the food budget of qualified families for purchasing food. The US program is currently called the Supplemental Nutrition Assistance Program (SNAP)	--
Home delivered meals	Meals delivered to a client's place of residence	Meals on wheels

Interventions-Summary View

I-24	3	() Education	Nutrition related skills education		
I-28	5	() Education	School meal and snack program education (child of I-132)		
I-89	1	() Education	Senior congregate meals education (child of ID I-15)		
I-120	2	() Education	Senior farmers market program education (child of ID I-16)		
I-29	6	() Education	SNAP education (child of I-132)		
I-30	5	() Education	Special supplemental nutrition program for women, infants and children (WIC) education (child of I-132)		
I-31	5	() Education	Summer meal and snack program education (child of I-132)		
I-124	2	() Education	WIC farmers market program education (child of ID I-30)		
I-87	2	Assessment of ()	Assessment for food insecurity		
I-97	2	Assessment of ()	Assessment of patient barriers		
I-96	2	Assessment of ()	Assessment of patient goals		
I-95	2	Assessment of ()	Assessment of progress toward goals		
I-117	1	Assessment of ()	Health and Behavior Assessment		
I-118	1	Assessment of ()	Health Risk Assessment		
I-32	5	Assistance with ()	Assistance with application for Child and Adult Care Program		
I-33	4	Assistance with ()	Assistance with application for Community meal program		
I-129	2	Assistance with ()	Assistance with application for FDPIR (Food Distribution Program on Indian Reservation) education (child of ID I-35)		
I-34	4	Assistance with ()	Assistance with Application for Food and nutrition incentive program		
I-35	5	Assistance with ()	Assistance with application for Food Pantry Program		
I-36	4	Assistance with ()	Assistance with application for Food prescription program		
I-37	5	Assistance with ()	Assistance with application for Garden program		
I-38	5	Assistance with ()	Assistance with application for Home delivered meals		
I-39	7	Assistance with ()	Assistance with application for Medically Tailored Meals		
I-40	5	Assistance with ()	Assistance with application for School meal and snack program		
I-41	7	Assistance with ()	Assistance with application for SNAP		

Interventions-Detail View

I-32	5 Assistance with ()	Assistance with application for Child and Adult Care Program	
I-33	4 Assistance with ()	Assistance with application for Community meal program	
I-129	2 Assistance with ()	Assistance with application for FDIPIR (Food Distribution Program on Indian Reservation) education (child of ID I-35)	
I-34	4 Assistance with ()	Assistance with Application for Food and nutrition incentive program	
I-35	5 Assistance with ()	Assistance with application for Food Pantry Program	
I-36	4 Assistance with ()	Assistance with application for Food prescription program	
I-37	5 Assistance with ()	Assistance with application for Garden program	
I-38	5 Assistance with ()	Assistance with application for Home delivered meals	
I-39	7 Assistance with ()	Assistance with application for Medically Tailored Meals	
I-40	5 Assistance with ()	Assistance with application for School meal and snack program	
I-41	7 Assistance with ()	Assistance with application for SNAP	
I-42	5 Assistance with ()	Assistance with application for Special supplemental nutrition program for women, infants and children (WIC)	
I-43	5 Assistance with ()	Assistance with application for Summer meal and snack program	
I-125	3 Assistance with ()	Assistance with application for WIC farmers market program (child of ID I-42)	
I-121	2 Assistance with ()	Assistance with application senior farmers market program (child of ID I-34)	
I-98	2 Coordination of ()	Coordination of care plan	
I-99	2 Coordination of ()	Coordination of care team	
I-115	1 Coordination of ()	Coordination of resources to address food insecurity	
I-49	4 Evaluation of eligibility for ()	Evaluation of eligibility for Food and nutrition incentive program	
I-50	5 Evaluation of eligibility for ()	Evaluation of eligibility for school meal and snack program	
I-51	5 Evaluation of eligibility for ()	Evaluation of eligibility for Child and Adult Care Program	
I-52	4 Evaluation of eligibility for ()	Evaluation of eligibility for Community meal program	
I-130	2 Evaluation of eligibility for ()	Evaluation of eligibility for FDIPIR (Food Distribution Program on Indian Reservation) education (child of ID I-55)	
I-54	3 Evaluation of eligibility for ()	Evaluation of eligibility for federal programs	
I-55	5 Evaluation of eligibility for ()	Evaluation of eligibility for Food Pantry Program	
I-56	4 Evaluation of eligibility for ()	Evaluation of eligibility for Food prescription program	
I-57	3 Evaluation of eligibility for ()	Evaluation of eligibility for Garden program	
I-58	5 Evaluation of eligibility for ()	Evaluation of eligibility for Home delivered meals	
I-92	2 Evaluation of eligibility for ()	Evaluation of eligibility for meals on wheels (child of ID-58)	
I-122	2 Evaluation of eligibility for ()	Evaluation of eligibility for senior farmer market program (child of ID I-49)	
I-59	6 Evaluation of eligibility for ()	Evaluation of eligibility for Special supplemental nutrition program for women, infants and children (WIC)	
I-60	5 Evaluation of eligibility for ()	Evaluation of eligibility for Summer meal and snack program	
I-126	3 Evaluation of eligibility for ()	Evaluation of eligibility for WIC farmers market program (child of ID I-59)	
I-62	7 Evaluation of eligibility for ()	Evaluation of eligibility for Medically Tailored Meals	
I-63	6 Evaluation of eligibility for ()	Evaluation of eligibility for SNAP	
I-64	2 Evaluation of eligibility for ()	Evaluation of progress toward goals	
I-104	1 Multiple	Health and Behavior Intervention	
I-105	1 Multiple	Health and Behavior Intervention	

Interventions-Program Summary

Program	Assistance w	Educati	Evaluation of eligi	Provisi	Referral
Benefits Enrollment Trust		x			x
Child and Adult Care Program	x	x	x		x
Community Action Agency		x			x
Community meal program	x	x	x		x
Community resource network					x
Federal programs			x		
Food and nutrition incentive program	x	x	x		x
Food Distribution Program on Indian Reservation (FDPIR)	x	x	x		x
Food Pantry Program	x	x	x		x
Food Prescription Program	x	x	x	x	x
Garden program	x	x	x		x
Home delivered meals	x	x	x		x
Meals on Wheels		x	x		x
Medically tailored meals	x	x	x		x
Nutrition and food support programs		x			
School meal and snack program	x	x	x		x
Senior Congregate meals		x			x
Senior Farmers Market program	x	x	x		x
SNAP	x	x	x		x
Summer meal and snack program	x	x	x		x
WIC	x	x	x		x
WIC Farmers Market program	x	x	x		x

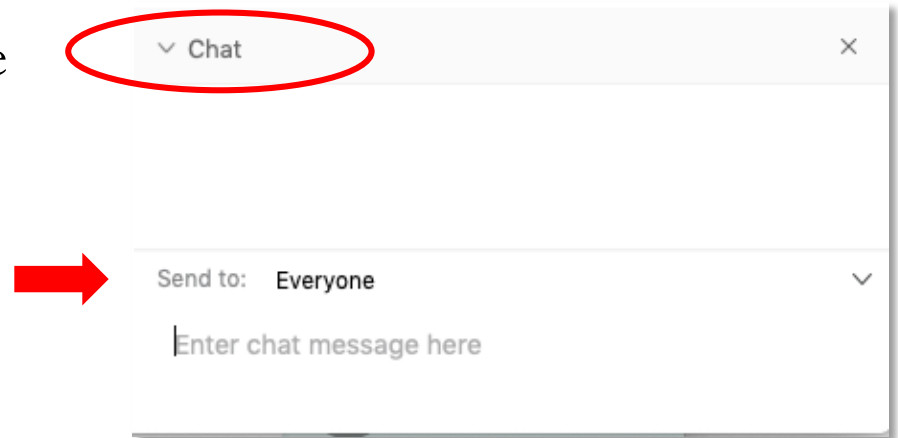
How to Submit End-to End Review Comments

- Download latest Food Insecurity Master List:
<https://confluence.hl7.org/display/GRAV/Food+Insecurity+Domain>
- Email all comments regarding data elements to
gravityproject@emiadvisors.net
- For data elements currently ON the Master List
 - Include data element ID # and reason(s) you do not feel the element is appropriate for Food Insecurity
- For data elements NOT ON the Master List
 - Submit the data element type (Screening, Diagnosis, Goal, Intervention)
 - Include a description for the data element you propose
 - For a screening element, attach a copy or link to the screening tool
- For program definitions
 - Provide the name of the program and the recommended edits for the definition
- Comments regarding **Interventions** due: **November 7, 2019**

Questions?

You are encouraged to actively participate in the discussion using the Webex chat feature (bottom right of the Webex Meeting window).

Please send all chats to Everyone.



Introduction to FHIR IG Development Part III

FHIR IG Development Topics

- Participation Benefits (Why?)
- Participation Planning (When?)
- How to find the information you need (What?)

Why is this FHIR IG stuff relevant to me?



Sep 19 - Nov 19

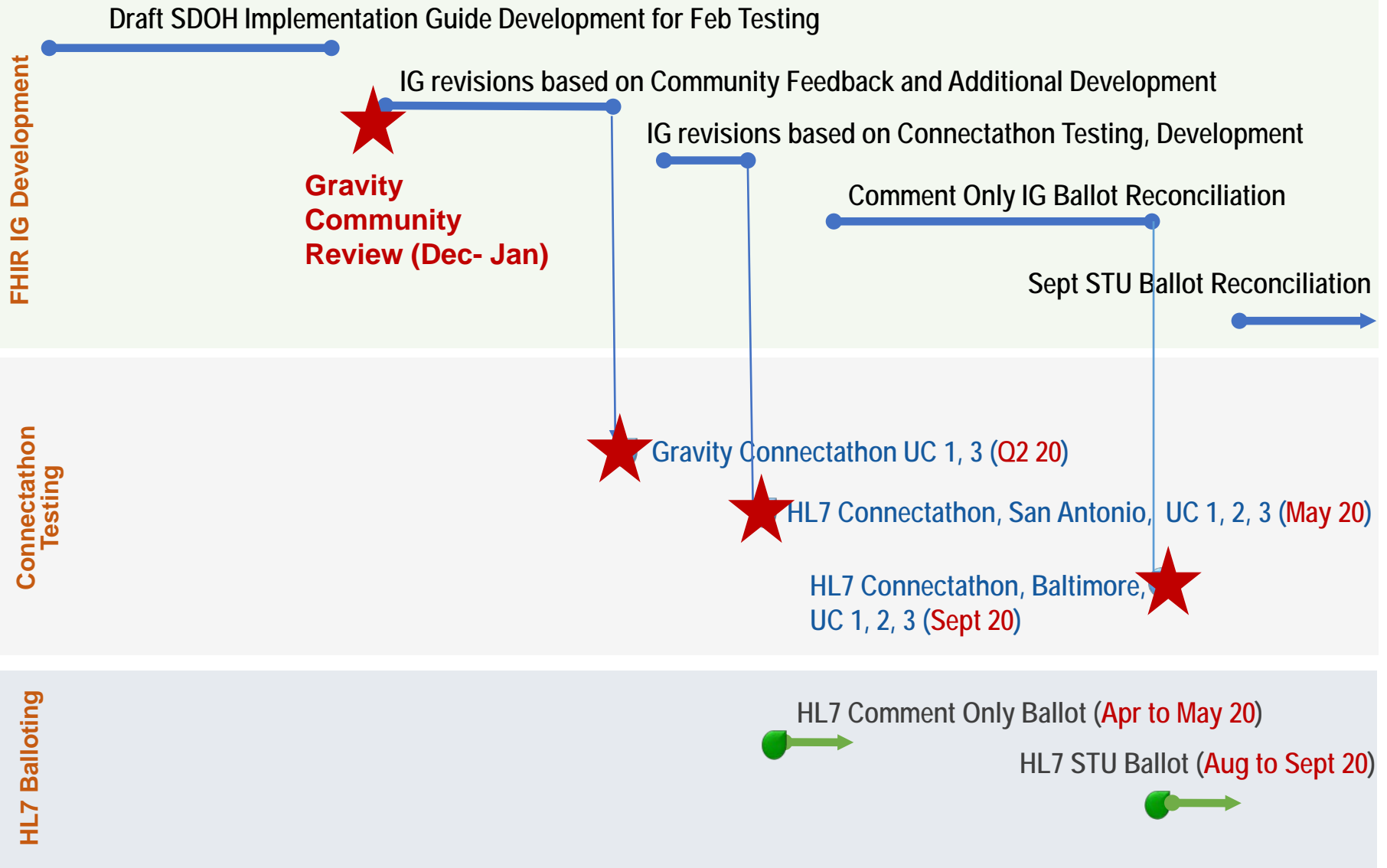
Dec 19 - Jan 20

Feb 20 - May 20

Jun 20 - Aug 20

Sep 20 - Nov 20

Gravity Project Roadmap (Task 5: HL7 FHIR Integration)







★ FHIR Community Kick-Off Oct 10, 2019

★ Milestones

Bookmark This Spot!

<https://confluence.hl7.org/display/GRAV/Gravity+SDOH+FHIR+IG>

Dashboard / The Gravity Project   265 view(s)

 Edit  Save for later  Watching  Share

Gravity SDOH FHIR IG

Created by Joshua Precious, last modified by Lisa R. Nelson just a moment ago

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). Initially, the project focuses on three of the many different domains that form social determinants of health: Food Insecurity, Housing Instability and Quality, and Transportation Access.

Sign-up for FHIR Connectathon Testing: [Click Here](#)

Project Scope Statement

For details on the approved scope for the Gravity Project SDOH Data Element FHIR IG, read the [HL7 PSS](#).

Project Insight Number: TBD

FHIR IG Project Team Contacts

Name	Email	Role
Lisa Nelson (Tech Lead)	Lnelson@max.md	Project Facilitation
Corey Smith	corey.smith@ama-assn.org	
Mohit Saigal	Mohit.Saigal@ama-assn.org	Resource Coordination
Matt Menning	Matt.Menning@ama-assn.org	

One-Stop Shopping

<https://confluence.hl7.org/display/GRAV/Gravity+SDOH+FHIR+IG>

Quick Links:

Implementation Guides	Sponsoring Work Groups	Governance Documents	Connectathon Information	Ballot Information	Reference Implementations	Testing and Validation Tools
<p>View Current Build of SDOH Clinical Care IG (SDOH-CC)</p> <p>View Current Build of SDOH Overarching Technical Framework IG (SDOH-O) IG</p>	<p>Sponsor:</p> <p>Patient Care</p> <p>Co-Sponsors:</p> <p>Vocabulary</p> <p>Public Health</p>	<p>Project#: TBD</p> <p>PSS for Gravity Project SDOH FHIR IG</p> <p>Status: Pending for TSC Approval</p> <p>FHIR IG Proposal: Proposal (Status: Pending Approval)</p>	<p>February 2020 Connectathon</p> <p>Mid-Feb TBD</p> <p>May 2020 Connectathon</p> <p>San Antonio, TX</p> <p>May 16-17</p> <p>September 2020 Connectathon</p> <p>Baltimore, MD</p> <p>Sept 19-20</p>	<p>Ballot for Comment: May 2020</p> <p>Ballot for STU: September 2020</p>	<p>Git Hub TBD</p>	<p>TBD</p>

Next Steps

Next Steps (Homework)

- Review summary files (screening, diagnosis, goal, intervention and submit comments to gravityproject@emiadvisors.net by
 - Screening data elements by **October 24**
 - Diagnosis and Goals data elements by **October 31**
 - Intervention data elements by **November 7**
- Join our Connectathon Event (Q2 2020)
 - Sign up here:
<https://confluence.hl7.org/display/GRAV/Connectathon+Testing>
 - Looking for implementers across the health ecosystem—EHRs, HIEs, PHRs, digital health, community-based services, system integrators
 - Ideal to have both clinical and non-clinical participants

Thank you for participating in this national
consensus-building process.

Additional questions? Contact: gravityproject@emiadvisors.net