

# The Gravity Project



Housing Data Concept Review  
July 23, 2020



# Welcome

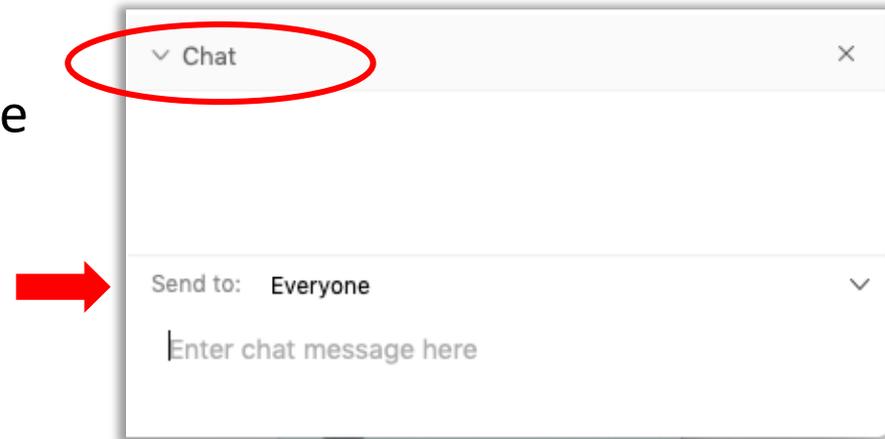
Thank you for joining the **Gravity Project** Workgroup meeting!

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

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 Anti-Trust Practices

- Gravity Project participants have the responsibility to comply fully with federal and state antitrust laws.
- Individuals speaking or providing written communications shall refrain from any discussion which may provide the basis for an inference that they have agreed to take any action relating to prices, services, production and allocation of markets or any other matter having a market effect.
- Participants shall not discuss their pricing or others' pricing or any term that might affect pricing or fees, such as costs, discounts, terms of sales or profit margins.
- Adherence to these guidelines involves not only avoidance of antitrust violations, but avoidance of behavior that might be so construed.

# 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>

# Project Founders and In-Kind Support To-Date



The University of Vermont  
LARNER COLLEGE OF MEDICINE



Yale School of Nursing

sirenUCSF



BlueCross  
BlueShield  
Association



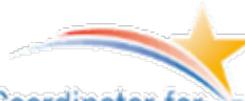
Academy of  
Nutrition  
and Dietetics



UnitedHealthcare®



The Office of the National Coordinator for  
Health Information Technology



newwave

Humana.



# Gravity Project Sponsorship

- The Gravity Project is currently seeking additional sponsors for our 2020 operations
  - This is an opportunity to be a recognized contributor to our critical national work
- If you are interested in learning more about sponsoring opportunities, please send an email to [GravityProject@emiadvisors.net](mailto:GravityProject@emiadvisors.net) or visit <https://confluence.hl7.org/display/GRAV/Gravity+Project+Sponsors>

# We're Hiring!

## Comprehensive Project Manager

- If you are here, you already care about addressing social risk and good data
- We are looking for a new PM to help organize and integrate both of our project streams: terminology and FHIR IG
- Application is on the confluence!
- Or, email - [hello@emiadvisors.net](mailto:hello@emiadvisors.net)

# The Gravity Project is on Social Media!

- The Gravity Project is now official on social media
- We will be using the social media platforms for relevant project and SDOH data integration related communications
- We invite you to follow us on LinkedIn and Twitter
  -  : Gravity Project
  -  : @thegravityproj
- Help us spread the word!

# ACL Social Care Referrals Challenge Grant Webinar July 28, 2020

ACL is hosting a webinar to learn more about participating in [ACL's Social Care Referrals Challenge competition](#). This Challenge is designed to spur a collaborative approach to identifying health IT solutions to support the integration of health care and social services. The challenge supports the testing of Gravity identified referral standards.

- The webinar is on July 28<sup>th</sup> from 2:00pm – 3:00pm EST
- Please circulate webinar information and [registration link](#) to your colleagues!

# Agenda

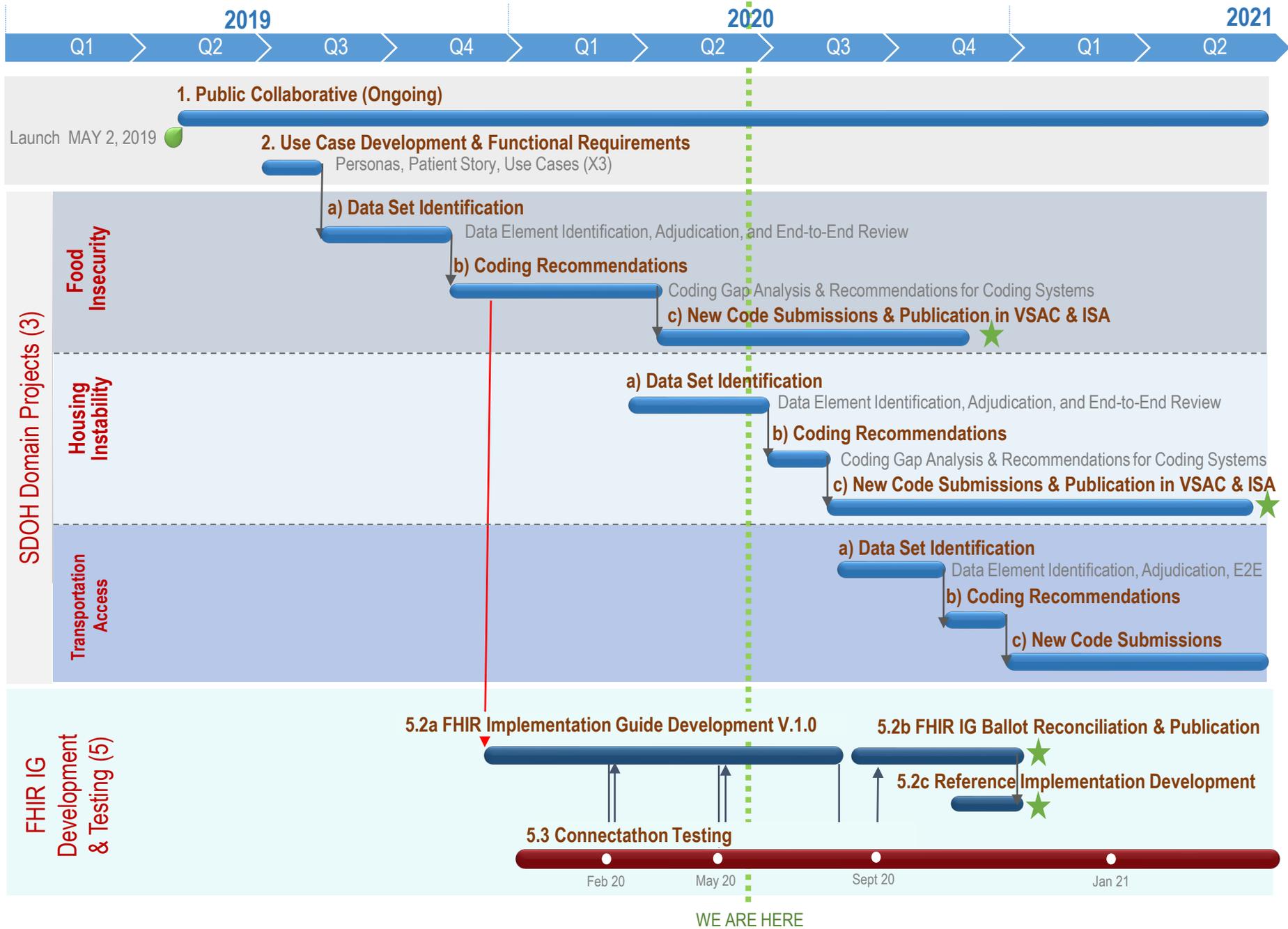
Topic	Presenter
Announcements	Sarah
Project Roadmap and Upcoming Schedule	Sarah
End to End Review: Housing Instability and Homelessness Program Definitions	Sarah
Update: Inadequate Housing Data Concepts Submission Status	Sarah
Discussion: FHIR IG Connectathon Planning	Bob
Community Homework and Next Steps	Sarah
Overview: Gravity Terminology Development Process	For Review

Please submit questions and comments using the Webex chat feature.

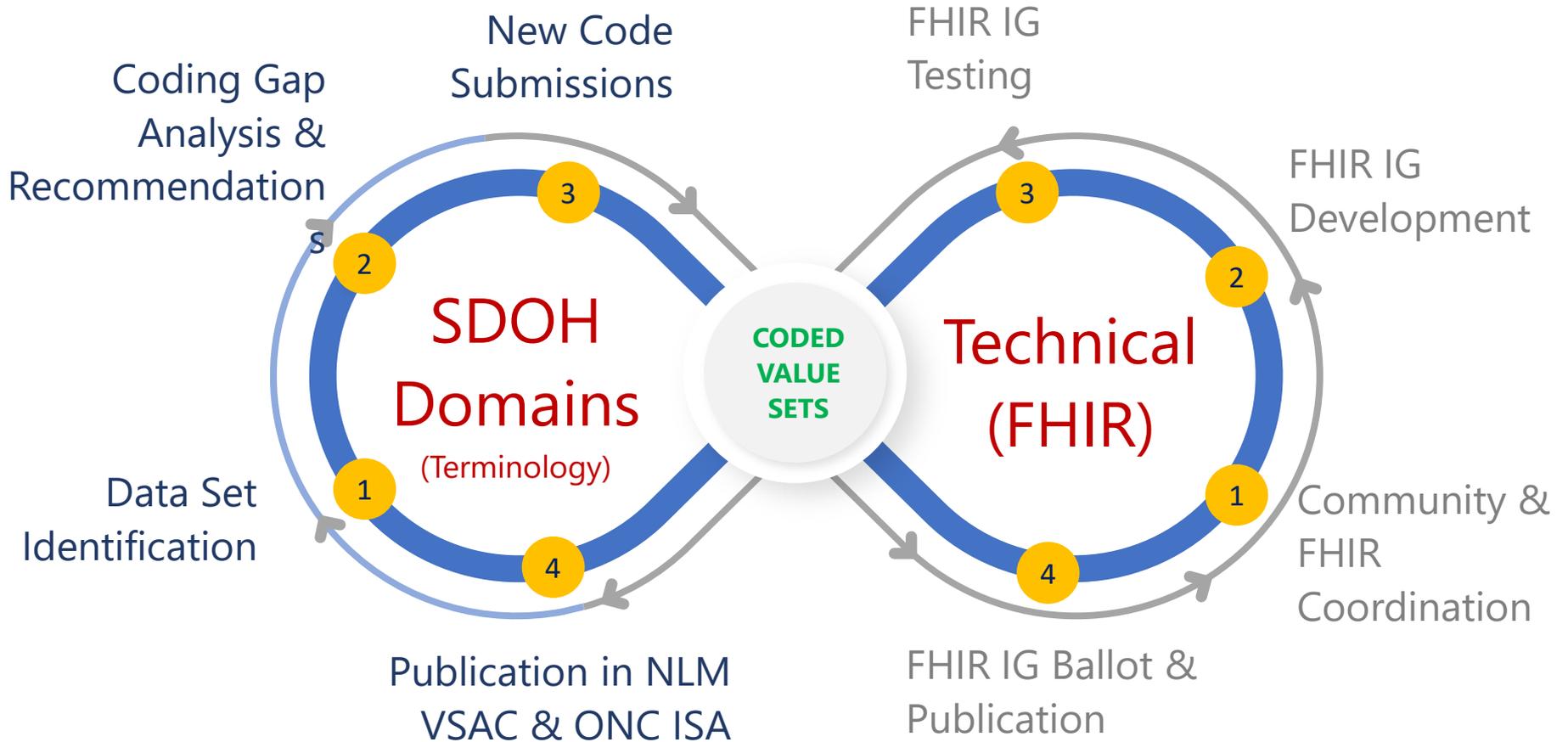
# Gravity Project Schedule and Activities (June through July)

Date	Gravity WG Meeting Tasks	Homework
06/11	<p><i>Phase I Review: End-to-End Review of Housing Instability and Homelessness Data Elements</i></p> <p><i>Phase II: Inadequate Housing Kickoff</i></p>	<p><i>Review and submit comments: Housing Instability and Homelessness Master List</i></p> <p><i>Submit: Inadequate Housing Concepts</i></p>
06/25	<p><i>Phase I Review: End-to-End Review of Housing Instability and Homelessness Data Elements</i></p> <p><i>Phase II: Inadequate Housing Data Element Concepts</i></p>	<p><i>Review and submit comments: Housing Instability and Homelessness Master List</i></p> <p><i>Submit: Inadequate Housing Concepts</i></p>
07/09	<p><i>Phase I Review: End-to-End Review of Housing Instability and Homelessness Data Elements</i></p> <p><i>Phase II: Inadequate Housing Data Element Concepts</i></p>	<p><i>Review and submit comments: Housing Instability and Homelessness Master List</i></p> <p><i>Submit: Inadequate Housing Concepts</i></p>
 07/23	<p><i>Phase I Review: End-to-End Review of Housing Instability and Homelessness Data Elements</i></p> <p><i>Phase II: Inadequate Housing Data Element Concepts</i></p>	<p><i>Review and submit comments: Housing Instability and Homelessness Master List</i></p> <p><i>Submit: Inadequate Housing Concepts</i></p>
08/06	<p><i>Phase I Review: End-to-End Review of Housing Instability and Homelessness Data Elements</i></p> <p><i>Phase II: Inadequate Housing Data Element Concepts</i></p>	<p><i>Review and submit comments: Housing Instability and Homelessness Master List</i></p> <p><i>Submit: Inadequate Housing Concepts</i></p>

# Gravity Timeline (tier 1 with code submissions)



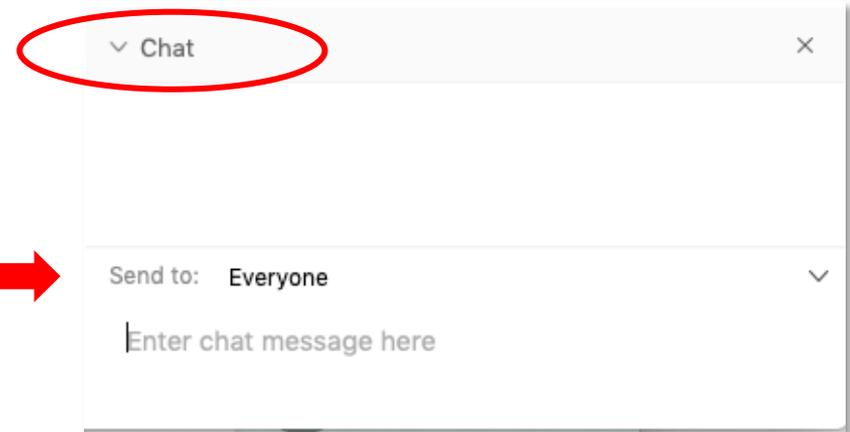
# Gravity Overview: Two Streams



# Questions?

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

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# End-to-End Review: Housing Instability and Homelessness Program Definitions

Program	Definition
Benefit Enrollement Assistance Program	A program that coordinates cross sector benefit eligibility, assessment and application
Community Action Agency	Non-profit private and public organizations established under the Economic Opportunity Act of 1964 with the aim of helping people achieve self-sufficiency. <a href="https://www.hud.gov/states/california/homeless/commaction">https://www.hud.gov/states/california/homeless/commaction</a>
Community Resource Assistance	Help connecting individuals with available community resources to address identified social needs
Day Shelter	A project that offers daytime facilities and services (no lodging) for persons who are homeless.
Emergency Shelter	A project that offers temporary shelter (lodging) for the homeless in general or for specific populations of the homeless. Requirements and limitations may vary by program, and will be specified by the funder.
Homelessness Prevention	A project that offers services and/or financial assistance necessary to prevent a person from moving into an emergency shelter or place not meant for human habitation.
Housing support program	A program to assist individuals with housing concerns.
Housing with services (no disability required for entry)	A project that offers permanent housing and supportive services to assist homeless persons to live independently, but does not limit eligibility to individuations with disabilities or families in which one adult or child has a disability.
Legal Aid	A program that provides pro bono broad legal services to qualifying clients
Medical Legal Partnership	A program that embeds legal professionals in clinical settings to provide a range of services which may include, legal consultation and legal education



Program	Definition
Permanent Supportive Housing (disability required for entry)	A project that offers permanent housing and supportive services to assist homeless persons with a disability (individuals with disabilities or families in which one adult or child has a disability) to live independently.
Rapid Re-Housing	A permanent housing project that provides housing relocation and stabilization services and short- and/or medium-term rental assistance as necessary to help a homeless individual or family move as quickly as possible into permanent housing and achieve stability in that housing.
Safe Haven	A project that offers supportive housing that (1) serves hard to reach homeless persons with severe mental illness who came from the streets and have been unwilling or unable to participate in supportive services; (2) provides 24-hour residence for eligible persons for an unspecified period; (3) has an overnight capacity limited to 25 or fewer persons; and (4) provides low demand services and referrals for the residents.
Street Outreach	A project that offers services necessary to reach out to unsheltered homeless people, connect them with emergency shelter, housing, or critical services, and provide urgent, non-facility-based care to unsheltered homeless people who are unwilling or unable to access emergency shelter, housing, or an appropriate health facility. Only persons who are "street homeless" should be entered into a street outreach project. Projects that also serve persons other than "street homeless" must have two separate projects to be set up in HMIS, one 'Street Outreach' and the other 'Services Only.'
Subsidized housing	A program funded by the government that provides funding for a portion of client rent based on income



Program	Definition
Transitional housing	A project that provides temporary lodging and is designed to facilitate the movement of homeless individuals and families into permanent housing within a specified period of time, but no longer than 24 months. Requirements and limitations may vary by program, and will be specified by the funder.
Rental assistance	Funds to assist with housing rental expenses
Federal project based rental assistance	A program funded by the government that provides funding for a client's rent in a specific housing unit
Federal tenant based rental assistance	A program funded by the government that provides funding for a client's rent in the private housing market
Coordinated entry	A project that administers the continuum's centralized or coordinated process to coordinate assessment and referral of individuals and families seeking housing or services, including use of a comprehensive and standardized assessment tool.
Tenants rights organization	A program that educates and advocates for tenant rights and legal protections on both individual and community levels
Housing Only	A project that offers permanent housing for persons who are homeless, but does not make supportive services available as part of the project.



# End to End Comments- Why and How

- We have spent months adding and winnowing the collective set together
- End to end review is a time to step back and consider the whole set and ask questions
  - Are there missing concepts?
  - Are the incorrect concepts that need to be changed?
  - Are the concepts that are unnecessary and should be removed?

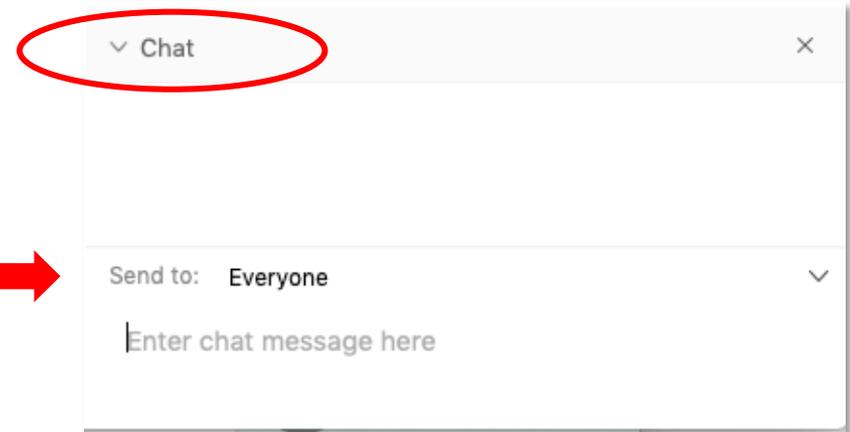
# How to Submit End-to-End Review Comments

- Download latest Housing Instability Master List:  
<https://confluence.hl7.org/display/GRAV/Housing+Instability+and+Homelessness+Domain>
- Email all comments regarding data elements to  
[gravityproject@emiadvisors.net](mailto: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 Housing Instability and Homelessness
- 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 screening elements, attach a copy or link to the tool
  - **Comments regarding Intervention submissions due:**  
**8/06/2020**

# Questions?

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# Update: Inadequate Housing Data Concepts Submission Status

# Inadequate Housing Data Element Submissions Summary

**Total Submissions Received = 3**

Screening Tool/ Questions	Diagnosis	Goal	Intervention
13 Tools / 44 Questions	3	0	33

**Submissions Reviewed = 3**

Disposition	Disposition	Disposition	Disposition
Add – 8 Tools/10 Questions	Add – 1	Add –	SNOMED Add – 23 CPT/HCPCS – Add –
Duplicates –	Duplicates –	Duplicate –0	Duplicates – Synonymous –
Do Not Add –	Do Not Add –	Do Not Add –	Do Not Add – 6
Park – 3 Tools/16 Questions	Park –	Park –	Park –
Hold – 4 Tools/18 Questions	Hold – 2	Hold	Hold – 4

**Total Submissions Returned\* =**

\* Adjudication completed and file returned to submitter with dispositions

# Inadequate Housing

SCREENING	DIAGNOSES- ICD	Diagnoses- SNOMED	GOALS	INTERVENTIONS
Narruzzuman (And adapted)  American Housing Survey  CHW	Z59.1 Inadequate Housing	Inadequate Housing  (Subdomains)		NOW- General SDOH concepts carried over from previous domains

Inadequate housing –

- House- An occupied housing unit that has moderate or severe physical problems (e.g., deficiencies in plumbing, heating, electricity, hallways, and upkeep) (HUD, 2010)
- Person- (*In process*)- Living within housing that has physical problems (deficiencies in plumbing, heating, electricity, hallways, and upkeep) (*affecting health*)

# Inadequate Housing Screening Tools

AAFP Social Needs Screening Tool
American Housing Survey
Accountable Health Communities HRSN
Medical-Legal Partnership - Narruzzaman
Upstream Risks Screening Tool
Medicare THA
SDOH Tool CHCW (Internally developed screening tool)
CHFC SDH All Domains

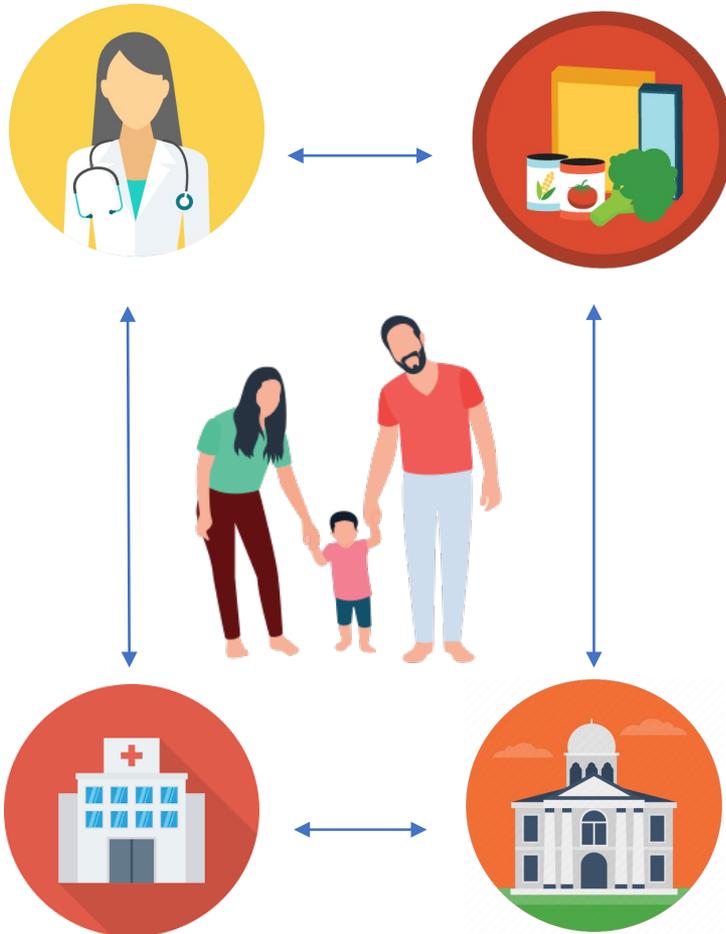
# Inadequate Housing Interventions

Evaluation of progress toward goals to achieve housing security
Referral to case manager
Referral to care manager
Referral to care navigator
Referral to social worker
Referral to community health worker
Assessment of progress toward goals to achieve housing security
Assessment of goals to achieve housing security
Assessment of barriers in housing insecurity care plan
Coordination of care plan
Coordination of care team
Counseling for barriers to engagement in housing insecurity care plan
Counseling for barriers to goals to achieve housing security
Counseling for readiness for engagement in housing insecurity care plan
Counseling for readiness for goals to achieve housing security
Referral to community resource network program
Health Risk Assessment
Education about Community Action Agency Program
Referral to Community Action Agency Program
Education about benefits enrollment assistance program
Referral to benefits enrollment assistance program
Counseling for socioeconomic factors
Education about community resource network program

# Data Submission Framework

- Screening tools
- Assessments/Diagnoses
- **Goals of care**
- **Interventions**
  - Program Names and Definitions
  - Provider/Practitioner Roles (e.g. community health navigator)
  - Applicable Intervention Activities/Services

# Perspectives on Data- Brainstorming



What kinds of data does the provider need to care for their patients?

the hospital need to study the effects of provider interventions?

the community-based org need to address the need of their clients?

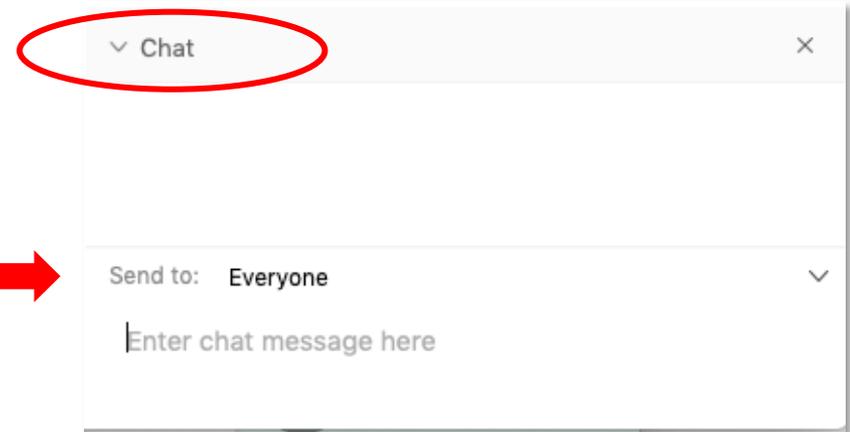
the state need to plan for population health needs?

***And what are the principles we need to consider to keep patients at the center?***

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# Discussion: FHIR IG Connectathon Planning

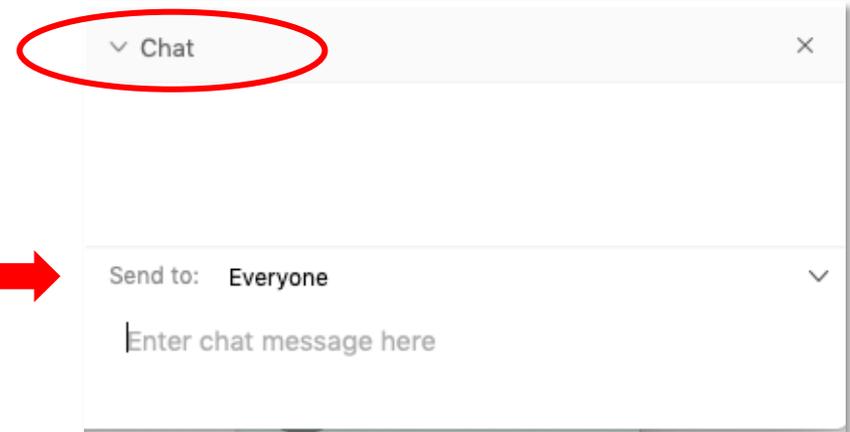
# HL7® FHIR Virtual Connectathon 25

- The HL7® FHIR Virtual Connectathon will occur from September 9<sup>th</sup> to 11<sup>th</sup>
- The Gravity team is leading the [Gravity Project SDOH-CC Connectathon Track](#) (testing Gravity Use Case 1)
  - Sign up to be a participant:  
<https://confluence.hl7.org/display/GRAV/Connectathon+Participation+Sign-Up>
- The Gravity track will also collaborate with the care coordination track
  - [Care Coordination Connectathon Track](#): Testing use of FHIR across the care continuum-generating an sending a multiple chronic conditions care plan, SDOH screening, eReferral, and functional assessment.

# Questions?

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# Community Homework and Next Steps

# Homework

## ▪ General

- Catch up as needed on materials and recordings on Gravity Project Materials Confluence page

- <https://confluence.hl7.org/display/GRAV/The+Gravity+Project+Materials>

## ▪ Housing Instability and Homelessness

- Review the Master and Screening Summary

- <https://confluence.hl7.org/pages/viewpage.action?pageId=76157877#HousingInstabilityandHomelessnessDomain-CommunityHomework>

- Send comments

## ▪ Inadequate Housing

- Submit new concepts

- Excel
- Email

- <https://confluence.hl7.org/pages/viewpage.action?pageId=76157877#HousingInstabilityandHomelessnessDomain-CommunityHomework>

# Next Steps

- Join the Gravity Project as a Committed Member or Other Interested Party:
  - <https://confluence.hl7.org/display/GRAV/Join+the+Gravity+Project>

# Overview: Gravity Terminology Development Process

# Gravity Terminology Development Process

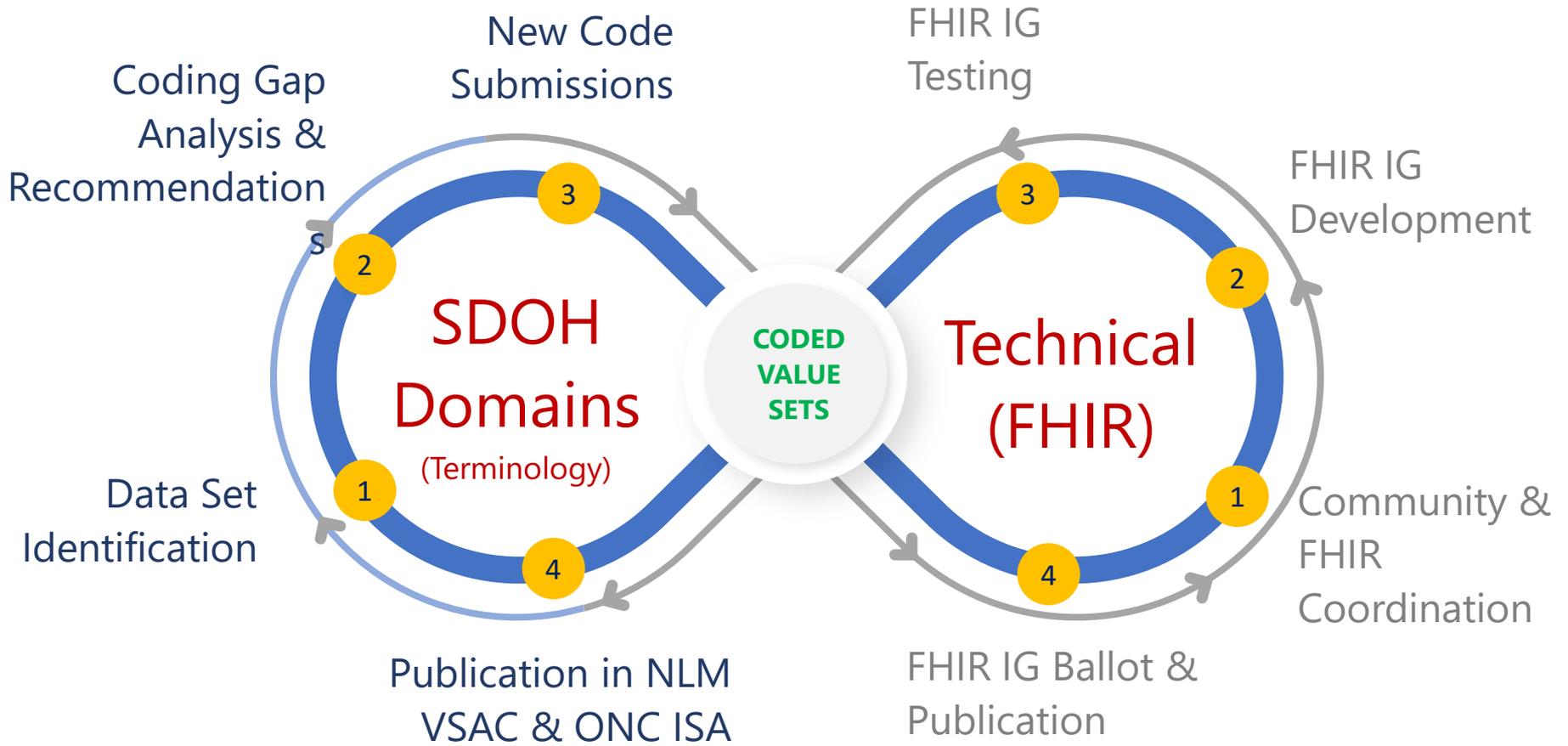
- A. Community Terminology Development
- B. Publication of ONC Gap Analysis and Recommendations Manuscript
- C. New Code Submissions (LOINC, SNOMED, ICD-10-CM)
- D. Development of Coded Value Sets
- E. Value Set Publication

# Community Terminology Development

## A. Community Terminology Development

1. The anchor of every domain is the SIREN compendium of existing SDOH terminology – a study of what exists
  - <https://sirennetwork.ucsf.edu/tools-resources/mmi/compendium-medical-terminology-codes-social-risk-factors>
2. Domain relevant terms are gleaned from the compendium and adjudicated against the literature
3. A collective brainstorming enriches the Master List
  1. Always published on Confluence
4. Concepts are added, refined, *and defined*, until we've a representative set aligned with literature and practice
5. Consensus Review and Voting

# Gravity Overview: Two Streams



# Adjudication Dispositions - Review

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
Withdrawn	After discussion between submitter and SMEs, concept was withdrawn by submitter	Will be noted on adjudication file with reason

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

Additional questions? Contact: [gravityproject@emiadvisors.net](mailto:gravityproject@emiadvisors.net)