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
Project Founders and In-Kind Support

Robert Wood Johnson Foundation
The University of Vermont
Yale School of Nursing
siren
UCSF
BlueCross BlueShield Association
AMA
AmeriHealth Caritas
UnitedHealthcare
Highmark
The Office of the National Coordinator for Health Information Technology
Newwave

https://confluence.hl7.org/display/GRAV/Gravity+Project+Sponsors
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 email to GravityProject@emiadvisors.net or visit https://confluence.hl7.org/display/GRAV/Gravity+Project+Sponsors
### Agenda

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<td>Project Roadmap and Upcoming Schedule</td>
<td>Evelyn</td>
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<td>Consensus Voting and Disposition Results</td>
<td>Sarah</td>
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<td>Sarah</td>
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<td>Next Steps</td>
<td>Lynette</td>
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Please submit questions and comments using the Webex chat feature.
Meet the Gravity Project Team

Evelyn Gallego,
Program Manager
EMI Advisors

Lynette Elliott,
Project Manager
EMI Advisors

Linda Hyde
Coding Terminology Expert
EMI Advisors

Sarah DeSilvey
SDOH Clinical Informatics
Lead
SIREN

Mark Savage
SDOH Data Policy Lead
UCSF/ SIREN

Lisa Nelson
Technical Director
MaxMD
Announcements

- For those attending the **HIMSS2020 in Orlando, Florida March 8 to 13**, please join us at the following events and sessions:
  - **Burning Rubber: A Conversation with FHIR Accelerators** (March 10, 10:30 to 11:30 am)
    [https://www.himssconference.org/session/burning-rubber-conversation-fhir-accelerators](https://www.himssconference.org/session/burning-rubber-conversation-fhir-accelerators)
  - **Swimming Upstream: What Will It Take to Integrate the Social Determinants of Health** (March 11, 2:30 to 3:30 pm)
    [https://www.himssconference.org/session/integrating-sdoh-healthcare](https://www.himssconference.org/session/integrating-sdoh-healthcare)
  - **Gravity Project Overview Education Session** (March 11, 4:00 to 5:00 pm)
  - **Gravity Introduction at the HL7 HIMSS Booth #2921**
    - March 10 from 3:30 – 4:00 pm
  - **HL7 FHIR Accelerator Panel at HL7 HIMSS Booth #2921**
    - March 11 from 1:00 to 2:00 pm
    - March 12 from 10:30 to 11:30 pm
Gravity Timeline (High Level)

1. Collaborative Launch
   - Project Charter, Coding Systems Education

2. Use Case Development & Functional Requirements
   - Personas, Patient Story, Use Cases (X3)

3a. Data Set Identification
   - Data Element Identification, Adjudication, and End-to-End Review

3b. Data Set Identification (Mar to June 20)

3c. Data Set Identification (Aug to Oct 2020)

4a. Coding Recommendations
   - Coding Gap Analysis & Recommendations for Coding Systems

4b. Coding Recommendations (June to Jul 20)

4b. Coding Recommendations (Nov to Dec 20)

5a. FHIR Implementation Guide Development V.1.0 (Dec 19 to Aug 20)

5b. FHIR IG Ballot Reconciliation & Publication

SDOH Domain Projects

a) Food Insecurity
b) Housing Instability
c) Transportation Access

FHIR IG Development & Testing

- HL7 Connectathon Testing (Feb 20)
- HL7 Connectathon Testing (May 20)
- HL7 Connectathon Testing (Sept 20)

Public Collaborative Kick-Off 02MAY2019

WE ARE HERE
# Gravity Project Schedule and Activities (Feb to May)

<table>
<thead>
<tr>
<th>Date</th>
<th>Gravity WG Meeting Tasks</th>
<th>Homework</th>
</tr>
</thead>
</table>
| 02/13 | **Review:** Consensus Voting and Dispositions Results  
                  **Review:** Data Element Concept Submissions To-Date  
                  **Overview:** Coding Work | **Submit:** Housing Instability Data Elements  
                  Review: Coding Systems |
| 03/19 | Housing Instability Domain Kickoff | **Submit:** Housing Instability Data Elements |
| 04/02 | **Review:** Housing Instability Data Element Concepts | Housing Instability Data Element Submission  
                  *Deadline April 03* |
| 04/16 | **Review:** Housing Instability Data Element Concepts |  |
| 04/30 | **Review:** Housing Instability Data Element Concepts  
                  **Overview:** End-to-End Review Process | **Submit End-to-End Review Comments** |
| 05/14 | **Review:** End-to-End Review Comments and Dispositions To-Date | **Submit End-to-End Review Comments** |
| 05/28 | **Review:** End-to-End Review Comments and Dispositions To-Date | **Submit End-to-End Review Comments  
                  *Deadline May 29*** |
Consensus Voting Results and Dispositions
Consensus Voting Results

- We received votes from over 50% of Committed Members – THANK YOU ALL FOR YOUR VOTES!

- Total votes: 108
  - Yes: 67
  - Yes with Comments: 19
  - Formal Objection: 0
  - Abstain: 22

- Comments were reconciled and assigned one of the following dispositions:
  - Acknowledged
  - Accepted
  - Considered, Not Accepted
Consensus Voting Comment Themes

- Create separate Intervention section for CPT/HCPCS codes and add back the medical nutrition therapy concepts = 7 requests

- Update program definitions to add ones that were missing and to review/revise definitions with the SMEs = 4 requests

- Propose definitions or revision of definitions for exiting concepts in SNOMED-CT based on updated Food Insecurity definition and Intervention Framework = 2 requests
Published Documents

- Consensus Approved Food Insecurity Master List
  - [https://confluence.hl7.org/pages/viewpage.action?pageId=55938680#FoodInsecurityDomain-FinalFoodInsecurityMasterList-Published31January2020](https://confluence.hl7.org/pages/viewpage.action?pageId=55938680#FoodInsecurityDomain-FinalFoodInsecurityMasterList-Published31January2020)

- Voting Comments and Dispositions
  - [https://confluence.hl7.org/pages/viewpage.action?pageId=55938680#FoodInsecurityDomain-FoodInsecurityConsensusVotingCommentsandDispositions-Published31January2020](https://confluence.hl7.org/pages/viewpage.action?pageId=55938680#FoodInsecurityDomain-FoodInsecurityConsensusVotingCommentsandDispositions-Published31January2020)
Coding Gap Analysis Updates
Coding Gap Analysis

- Total 224 data elements identified; only 25 of these have applicable codes to represent them electronically!

- These gaps have been identified in an internal Gap Analysis Report and are currently being prioritized for future work in a Gap Priority Statement.

<table>
<thead>
<tr>
<th>Activity</th>
<th>Total # of Concepts</th>
<th># Current Codes</th>
<th># Requiring Codes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Screening</td>
<td>24 Screeners, 77 Questions</td>
<td>2 Screeners, 6 Questions</td>
<td>22 Screeners, 71 Questions</td>
</tr>
<tr>
<td>Diagnosis</td>
<td>8</td>
<td>5</td>
<td>3</td>
</tr>
<tr>
<td>Goals</td>
<td>6</td>
<td>0</td>
<td>6</td>
</tr>
<tr>
<td>Interventions</td>
<td>109</td>
<td>12</td>
<td>97</td>
</tr>
</tbody>
</table>
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.
Gravity Data Principles
Data Use Principles – Ideas from Past Initiatives

- Consumer and Patient Principles for Electronic Health Information Exchange
  - Important Benefits for Individual Health
  - Important Benefits for Population Health
  - Inclusivity and Equality
  - Universal Design, Accessibility, and Interoperability
  - Privacy and Security
  - Preventing Misuse of Health Data
  - Partnership and HIT Literacy
  - Accountability
  - Enforcement
Data Use Principles – Ideas from Past Initiatives

- Privacy and Security, continued…
  - Openness and Transparency
  - Collection Limitation
  - Purpose Specification and Minimization
  - Data Integrity and Quality
  - Use and Disclosure Limitation
  - Individual Participation and Control
  - Local Control
Housing Instability and Homelessness
## Data Element Submissions To-Date

<table>
<thead>
<tr>
<th># Submissions</th>
<th>Screening Tool/Questions</th>
<th>Diagnosis/Needs</th>
<th>Goals</th>
<th>Interventions</th>
</tr>
</thead>
<tbody>
<tr>
<td>(Carry over + compendium)</td>
<td>9 tools</td>
<td>2</td>
<td></td>
<td>25</td>
</tr>
<tr>
<td>2</td>
<td>2</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th># Submissions Reviewed</th>
<th>Disposition</th>
<th>Disposition</th>
<th>Disposition</th>
<th>Interventions</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Adjudication Process Recap

Process/Data Collection over time

Contributors recommend potential data elements

Submitted Form → Adjudication Form

Adjudicator harvests new ideas from the Current Submitted Form, making them Candidates and promotes new data elements to Master List.

Adjudicate

Promote

Potential Stewards

Adjudicator promotes adjudicated data elements from a Current Adjudicated Form. Merges/Removes data elements

Community votes to affirm or reject data elements on Master List to move them to the Consensus List.

Vote

Community approves recommended data elements.

Committed Participants
## Adjudication Disposition Recap

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

- Screening tools
  - Housing Instability and Homelessness
  - (Inadequate housing tools will be stored for future development)

- Goal of care

- Assessments/Diagnoses

- Interventions
  - Key points here
    - Program Names and Definitions
    - Applicable Intervention Activities
Intervention Definitions

- **Referral.** A type of order wherein clinicians/providers request services and/or assessment from other professionals and/or programs.

- **Provision.** For the purposes of the 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 aims to increase knowledge and skills, change behaviors, assist coping.

- **Assessment.** The process of both provider clinical observation and interpretation, and the application 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.** Chosen to mark the activities prior to determination of eligibility. (Crucial for federal assistance programs).

- **Assistance.** Non-clinical aid with the tasks of care such as applications and setting up appointments.

- **Coordination.** Organizing activities and sharing information.
Concept Coding HMIS

- We have had multiple submissions for the HMIS 2020 data set...
- We need help in suggested concept coding for the data
- Of the data points differentiating screening vs assessment vs program for the concepts of:
  - Homelessness
  - Housing Instability
  - Stably House
How to Review Housing Instability Adjudicated Data Submissions (Master List)

https://confluence.hl7.org/display/GRAV/Housing+Instability+Domain

- Master List with adjudicated data elements will be published on Confluence page following each community meeting as soon as it becomes available.
Gravity Governance: Technical Advisory Committee
Gravity is Establishing a New Governance Structure

- Gravity Project was originally developed as a limited-term project focused mostly on data element identification.
- The effort has grown into a broader longer-term project as an HL7 FHIR Accelerator Project.
- This requires a new governance structure that can ensure effective and agile decision making that engages a broad set of stakeholders and sponsors and enables the project to succeed over a longer timeline.
Help us build the new Technical Advisory Committee (TAC)

- Will provide technical and domain subject matter expertise input to the Gravity Domain Project Teams
  - Start with Housing and then move onto Transportation for 2020
- Members are responsible for getting feedback from their stakeholder groups on key questions and representing those perspectives
- The TAC will include at least 2 representatives for each of these stakeholder groups:
  1. Patients/Consumers
  2. Providers
  3. Payers
  4. HIT Vendors
  5. Community Based Orgs
  6. Federal Government
- Committee meets biweekly or as needed
- Please send your interest and referrals to Sarah DeSilvey: sarah.desilvey@med.uvm.edu
Community Homework for the Next Meeting
Submit Housing Instability Data Element Concepts

- Similar to previous Food Insecurity data element submissions, please submit concepts via downloadable spreadsheet or web tool
- For instructions, links and downloads go to Confluence: https://confluence.hl7.org/display/GRAV/Data+Element+Submission
- For questions, please send an email to GravityProject@emiadvisors.net
Review Coding Systems

- Five medical coding systems are expected to be used for Gravity Project data concepts.
- For a brief overview video of each, please go to: https://confluence.hl7.org/display/GRAV/Educational+and+Instructional+Materials
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.
Next Steps
Next Steps

- Submit **housing instability** data elements by April 3rd. [https://confluence.hl7.org/display/GRAV/Data+Element+Submission](https://confluence.hl7.org/display/GRAV/Data+Element+Submission)

- Sign up to join our 2020 Connectathon Events: [https://confluence.hl7.org/display/GRAV/Connectathon+Testing](https://confluence.hl7.org/display/GRAV/Connectathon+Testing)
  - Looking for implementers across the health ecosystem—EHRs, HIEs, PHRs, digital health platforms, community-based services and referral platforms, system integrators
  - Ideal to have both clinical and non-clinical participants

- Join the Gravity Team at HIMSS
  - [https://confluence.hl7.org/display/GRAV/Gravity+Project+Events](https://confluence.hl7.org/display/GRAV/Gravity+Project+Events)

- Join the Gravity Project as a Committed Member or Other Interested Party:
  - [https://confluence.hl7.org/display/GRAV/Join+the+Gravity+Project](https://confluence.hl7.org/display/GRAV/Join+the+Gravity+Project)
Thank you for participating in this national consensus-building process.

Additional questions? Contact: gravityproject@emiadvisors.net