The Gravity Project

Social Isolation Kickoff
Material Hardship Review & Stress Concepts

April 1st, 2021
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:

- For **all other Gravity Project information**, please visit:
  https://confluence.hl7.org/display/GRAV/The+Gravity+Project
Project Founders, Grants, and In-Kind Support To-Date

Robert Wood Johnson Foundation
The University of Vermont
Yale School of Nursing

sirenUCSF
Kaiser Permanente®
BlueCross BlueShield Association

eat right. Academy of Nutrition and Dietetics

AMA

AHRQ

AAMC

AAFP

UnitedHealthcare

Highmark

Caritas

ATA

Blue Cross Blue Shield of Arkansas

ACM

Medica

Arkansas

Onyx

AAMC

CynHealth

The Office of the National Coordinator for Health Information Technology

Humana

CCHP

CHILDREN’S HealthWatch

Lyft

California Health Care Foundation

https://confluence.hl7.org/display/GRAV/Gravity+Project+Sponsors
<table>
<thead>
<tr>
<th>Topic</th>
<th>Presenter</th>
</tr>
</thead>
<tbody>
<tr>
<td>Announcements</td>
<td>Sarah</td>
</tr>
<tr>
<td>Project Schedule and Overview</td>
<td>Sarah</td>
</tr>
<tr>
<td>Social Isolation Kickoff</td>
<td>Sarah</td>
</tr>
<tr>
<td>End to End Review: Material Hardship</td>
<td>Sarah</td>
</tr>
<tr>
<td>Identify: Stress Screening and Diagnosis</td>
<td>Sarah</td>
</tr>
<tr>
<td>Technology Update</td>
<td>Bob</td>
</tr>
<tr>
<td>Community Homework and Next Steps</td>
<td>Sarah</td>
</tr>
</tbody>
</table>

Please submit questions and comments using the Webex chat feature.
Announcements
Gravity Project Sponsorship

- The Gravity Project is currently seeking additional sponsors for our 2021 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 or visit https://confluence.hl7.org/display/GRAV/Gravity+Project+Sponsors
HL7 SDOH CC FHIR IG Public Meetings

- HL7 SDOH CC FHIR IG Public Meetings are scheduled Wednesdays from 3:00 to 4:00 pm ET
- See the HL7 meeting calendar here: http://www.hl7.org/concalls/CallDetails.aspx?concall=51839
ICD-10-CM Letters of Support

- The Gravity Project multi-domain ICD-10 submission was reviewed at the ICD-10-CM Coordination and Maintenance Virtual Meeting on March 10th. Meeting details are posted here: https://www.cdc.gov/nchs/icd/icd10cm_maintenance.htm
  - Thank you to all of you that have contributed to the development and review of this submission!
- At this time we solicit comment both for the submission in general, and to ask NCHS for an October 1st, 2021 release, ahead of the October 2022 standard timeline.
  - Please reach out to nchsicd10cm@cdc.gov and copy gravityproject@emiadvisors.net to express your support for early release by April 9th, 2021
- The Gravity Team has created two resources to assist with commentary
  - First, a draft email to Donna Pickett, MPH, RHIA regarding the 2021 release.
  - Second, a full draft ICD-10-CM letter of support.
- View the ICD-10-CM submission, email for 2021 release, and form letter here: https://confluence.hl7.org/display/GRAV/ICD-10+Coding+Submissions
Gravity Project Website

- The Gravity Project has created a website to better introduce the project
- Our website is now live! Click here to visit [https://thegavityproject.net](https://thegavityproject.net)
ONC published a special emphasis notice (SEN) under the Leading Edge Acceleration Projects (LEAP) in Health IT notice of funding opportunity. The goal of the SEN is to advance health IT standards and tools to improve social determinants of health data exchange and research, and to develop tools for making electronic health record (EHR) data research and artificial intelligence (AI)-ready. ONC seeks applications with specific aims to address one of those areas of interest.

- Learn more about the LEAP in Health IT here: https://www.healthit.gov/topic/onc-funding-opportunities/leading-edge-acceleration-projects-leap-health-information
The Transformative Research to Address Health Disparities and Advance Health Equity initiative/Health Equity at Minority Serving Institutions initiative is soliciting applications to support collaborative investigative teams or individual scientists who propose unusually innovative research projects, which, if successful, would have a major impact in developing, implementing, or disseminating innovative and effective interventions to prevent, reduce, or eliminate health disparities and advance health equity.

- No preliminary data are required. Projects must clearly demonstrate, based on the strength of the logic, a compelling potential to produce a major impact in addressing health disparities and inequities.

Learn more about the two funding opportunities here:
Project Schedule and Overview
# 2021 Gravity Roadmap

## Terminology
- Inadequate Housing
- Transportation Insecurity
- Financial Insecurity
- Demographics Status
- Social Isolation
- Stress
- Intimate Partner Violence / Elder Abuse
- Material Hardship
- New Use Case Development

## Key
- LOINC Code Submissions (MAR/OCT)
- SNOMED Code Submissions (MAY/DEC)
- ICD-10 Code Submissions (JUN/DEC)

## Technical
- Gravity FHIR IG Ballot
- IG Ballot Reconciliation
- Reference Implementation Development
- Reference Implementation Update
- HL7 FHIR Connectathons

## Pilots
- Gravity Pilots Recruitment
- Gravity Pilots Testing (6 to 12 months)

## Timeline

<table>
<thead>
<tr>
<th>JAN</th>
<th>FEB</th>
<th>MAR</th>
<th>APR</th>
<th>MAY</th>
<th>JUN</th>
<th>JUL</th>
<th>AUG</th>
<th>SEP</th>
<th>OCT</th>
<th>NOV</th>
<th>DEC</th>
</tr>
</thead>
<tbody>
<tr>
<td>INADEQUATE HOUSING</td>
<td>TRANSPORTATION INSECURITY</td>
<td>FINANCIAL INSECURITY</td>
<td>DEMOGRAPHICS STATUS</td>
<td>SOCIAL ISOLATION</td>
<td>INTIMATE PARTNER VIOLENCE / ELDER ABUSE</td>
<td>NEIGHBORHOOD SAFETY</td>
<td>MATERIAL HARDSHIP</td>
<td>FOOD DESERT</td>
<td>NEIGHBORHOOD SAFETY</td>
<td>NEIGHBORHOOD SAFETY</td>
<td>NEIGHBORHOOD SAFETY</td>
</tr>
</tbody>
</table>

**Key Events**
- Gravity FHIR IG Ballot
- IG Ballot Reconciliation
- Reference Implementation Development
- Reference Implementation Update
- HL7 FHIR Connectathons

**Timeline Milestones**
- Final updates/ IG Publication
- IG Updates from Testing Activities
- WE ARE HERE

---

**Food Desert**

**Material Hardship**

---
Gravity Project Terminology Engagement Guide: General

- The intent of our public calls is to present updates of Gravity materials and offer opportunities for the community to reflect and discuss implications.
- The community has a critical role in ensuring content is representative of needs. We welcome ideas for additional or altered content to be submitted via Gravity Process available here.
- Within the terminology end-to-end review process, one needs to offer *rationale with evidence* for suggested alternate approaches.
- All elements must be assessed by our subject matter experts prior to inclusion in the set.
Gravity Project Engagement Guide: Domains

- If one has questions about domains covered in previous builds, please review materials provided and reach out to gravityproject@emiadvisor.net with questions or concerns.
  - Our team will add relevant links on past domains into the chat as able.

- Of note: We gather subject matter experts by domain, if we touch upon concepts that cross domains we’ve yet to cover, we must pause on build of these concepts, however, we will ensure, to the best of our ability, that both the project plan and taxonomy structure allow for additions of these new domains in time.
  - Ex: literacy as driver of material hardship
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.
Terminology
## Gravity Project Schedule and Activities (Through April)

<table>
<thead>
<tr>
<th>Date</th>
<th>Gravity WG Meeting Tasks</th>
<th>Homework</th>
</tr>
</thead>
<tbody>
<tr>
<td>4/1</td>
<td><strong>Material Hardship:</strong> Screening, Diagnoses, Goals, Interventions End to End Review</td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Stress:</strong> Screening and Diagnosis Concepts</td>
<td><strong>Submit: Stress, and Social Isolation Screening and Diagnoses</strong></td>
</tr>
<tr>
<td></td>
<td><strong>Social Isolation KICKOFF</strong></td>
<td><strong>Review: Material Hardship</strong></td>
</tr>
<tr>
<td>4/15</td>
<td><strong>MATERIAL HARDSHIP:</strong> Consensus Vote</td>
<td><strong>Submit: Stress, Social Isolation, Elder Abuse, IPV Screening and Diagnoses</strong></td>
</tr>
<tr>
<td></td>
<td><strong>IPV, Elder Abuse KICKOFF</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Material Hardship:</strong> Screening, Diagnoses, Goals, Interventions End to End Review</td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Stress and Social Isolation:</strong> Screening and Diagnosis Concepts</td>
<td></td>
</tr>
<tr>
<td>4/29</td>
<td><strong>Stress, Social Isolation:</strong> Screening and Diagnoses End to End review</td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>IPV, Elder Abuse:</strong> Screening and Diagnoses Concepts</td>
<td><strong>Submit: IPV, and Elder Abuse Screening and Diagnoses Concepts</strong></td>
</tr>
</tbody>
</table>

Submit Stress concepts by 4/1

Submit Social Isolation concepts by 4/15

Submit IPV, Elder Abuse concepts by 4/29
Community Terminology Development
Social Isolation KICKOFF

Identify
Social Isolation Subject Matter Experts

Edward Garcia, Healthsperien, LLC

Dr. Julianne Holt-Lunstad, Brigham Young University

Dr. Matt Pantell – University of California San Francisco
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.
Community Terminology Development

We are here!
End to End Review: Material Hardship
Material Hardship - Definition

- Material Hardship- the lack of specific socially perceived basic physical necessities
Review: Material Hardship Screening Tools and Subdomains

- **Broad**
  - PRAPARE- In the past year, have you or any family members you live with been **unable** to get any of the following when it was **really needed**? Check all that apply: Food, Utilities, Clothing, Childcare, Medicine, Phone
  - AAFP- 
    - Do problems getting child care make it difficult for you to work or study?
    - In the past 12 months has the electric, gas, oil, or water company threatened to shut off services in your home?

- **Financial**
  - Health Leads- In the past 12 months has the electric, gas, oil, or water company threatened to shut off services in your home?
  - Well Rx- Do you have trouble paying for your gas or electricity bills?
Review: Material Hardship Diagnoses

• Unable to obtain childcare
  - Unable to obtain childcare due to limited financial resources
• Unable to obtain adult dependent care
  - Unable to obtain adult dependent care due to limited financial resources
• Unable to obtain phone
  - Unable to obtain phone connection due to limited financial resources
• Unable to obtain internet
  - Unable to obtain internet due to limited financial resources
• Unable to obtain heat
  - Unable to obtain heat due to limited financial resources
• Unable to obtain cooling
  - Unable to obtain cooling due to limited financial resources
• Unable to obtain electricity
  - Unable to obtain electricity due to limited financial resources
• Unable to obtain clothing
  - Unable to obtain clothing due to limited financial resources
• Unable to obtain medicine
  - Unable to obtain medicine due to limited financial resources
Review: Material Hardship Goals

- Able to obtain
  - Childcare
  - Adult dependent care
  - Phone connection
  - Internet
  - Heat
  - Home cooling
  - Electricity
  - Adequate clothing
  - Medicine

- Able to afford
  - Childcare
  - Adult dependent care
  - Phone connection
  - Internet
  - Heat
  - Home cooling
  - Electricity
  - Adequate clothing
  - Medicine
<table>
<thead>
<tr>
<th>Diagnosis</th>
<th>Program</th>
</tr>
</thead>
</table>
| Unable to obtain childcare due to financial insecurity | ● Childcare Assistance Program (general to cover gov and philanthropic approaches  
|                                               | ● HeadStart (specific) [https://www.acf.hhs.gov/ohs](https://www.acf.hhs.gov/ohs) |
| Unable to obtain phone due to financial insecurity               | ● Utility Assistance Program (general to cover gov and philanthropic approaches) |
| Unable to obtain internet due to financial insecurity             | ● Utility Assistance Program                                             |
| Unable to obtain heat due to financial insecurity                 | ● Low Income Home Energy Assistance Program                             
|                                               | [https://www.acf.hhs.gov/ocs/low-income-home-energy-assistance-program-liheap](https://www.acf.hhs.gov/ocs/low-income-home-energy-assistance-program-liheap) (Includes but not limited to HEAP)  
|                                               | ● Utility Assistance Program                                             |
| Unable to obtain cooling due to financial insecurity              | ● Home Energy Assistance Program                                       
|                                               | [https://www.acf.hhs.gov/ocs/low-income-home-energy-assistance-program-liheap](https://www.acf.hhs.gov/ocs/low-income-home-energy-assistance-program-liheap)  
|                                               | ● Utility Assistance Program                                             |
| Unable to obtain electricity due to financial insecurity          | ● Home Energy Assistance Program                                       
|                                               | [https://www.acf.hhs.gov/ocs/low-income-home-energy-assistance-program-liheap](https://www.acf.hhs.gov/ocs/low-income-home-energy-assistance-program-liheap)  
|                                               | ● Utility Assistance Program                                             |
| Unable to obtain adequate clothing due to financial insecurity    | ● Clothing assistance programs                                          |
| Unable to obtain medicine due to financial insecurity             | ● Prescription Assistance Programs                                      
|                                               | ● Prescription Voucher Provision                                       |
| Unable to obtain eldercare due to financial insecurity            | ● Area Agency on Aging                                                 |
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.
Community Terminology Development

We are here!

Pre-Work → Identify → Review → Vote → Analyze → Build → Test → Evaluate
Identify: Stress Screening and Diagnoses
Stress

- Stress and Health Disparities: Contexts, Mechanisms, and Interventions Among Racial/Ethnic Minority and Low Socioeconomic Status Populations (APA)

- Stress Definitions
  - Stress occurs when individuals experience demands or threats without sufficient resources to meet these demands or mitigate the threats (Lazarus & Folkman, 1984).
  - Minority stress is the relationship between minority and dominant values and resultant conflict with the social environment experienced by minority group members (Meyer, 1995; Mirowsky & Ross, 1989; Pearlin, 1989)
Stress

Exposures
- Stigma and Bias (Minority Stress)
- Financial Strain
- Transitions
- Caregiving
- Relationships and their absence
- Trauma
- Environment

Responses
- Psychological
  - “I feel stressed”
- Physiological

Juster et al (2017)
Stress Types: The Stress Measurement Network

daily stressors burnout
discrimination 
pregnancy

caregiver stress
work

trauma
major life events stigma

relationship conflict
Stress: Tools

Perceived Stress Scale

1. In the last month, how often have you been upset because of something that happened unexpectedly?
2. In the last month, how often have you felt that you were unable to control the important things in your life?
3. In the last month, how often have you felt nervous and “stressed”?
4. In the last month, how often have you felt confident about your ability to handle your personal problems?
5. In the last month, how often have you felt that things were going your way?
6. In the last month, how often have you found that you could not cope with all the things that you had to do?
7. In the last month, how often have you been able to control irritations in your life?
8. In the last month, how often have you felt that you were on top of things?
9. In the last month, how often have you been angered because of things that were outside of your control?
10. In the last month, how often have you felt difficulties were piling up so high that you could not overcome them?
Stress: Tools

PRAPARE
Stress is when someone feels tense, nervous, anxious, or can’t sleep at night because their mind is troubled. How stressed are you?

Finnish Institute of Occupational Health, Occupational Stress Questionnaire
Stress means a situation in which a person feels tense, restless, nervous, or anxious, or is unable to sleep at night because his or her mind is troubled all the time. Do you feel this kind of stress these days?
### Stress Kickoff: Diagnoses, Compendium

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>F43.2 Adjustment disorders</th>
<th>F43.9 Reaction to severe stress, unspecified</th>
<th>NO ICD-10-CM Mapping for SNOMED Child Codes</th>
<th>Z56.3 Stressful work schedule</th>
<th>Z56.6 Other physical and mental strain related to work</th>
<th>Z63.7 Other stressful life events affecting family and household</th>
<th>Z63.8 Other specified problems related to primary support group</th>
<th>Z73.3 Stress, not elsewhere classified</th>
<th>Z73.8 Other problems related to life management difficulty</th>
</tr>
</thead>
<tbody>
<tr>
<td>F43.2 Adjustment disorders</td>
<td>271952001 Stress and adjustment reaction</td>
<td>162218007 Stress-related problem</td>
<td>73595000 Stress</td>
<td>13117000 Absence of stress</td>
<td>15936461000119100 Stressful work schedule</td>
<td>276074009 Stress at work</td>
<td>105485001 Stress at home household</td>
<td>37240003 Ineffective family coping: compromised</td>
<td>129891007 Caregiver role strain</td>
<td>18232000 Difficulty coping</td>
</tr>
<tr>
<td>F43.9 Reaction to severe stress, unspecified</td>
<td>73595000 Stress</td>
<td>166491000119100 Stress due to family tension</td>
<td>102497008 Symptoms of stress</td>
<td>276075005 Work worries</td>
<td></td>
<td></td>
<td></td>
<td>166491000119100 Stress due to family tension</td>
<td></td>
<td>47695004 Inability to cope</td>
</tr>
<tr>
<td>NO ICD-10-CM Mapping for SNOMED Child Codes</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>13117000 Absence of stress</td>
<td></td>
<td></td>
<td></td>
<td>129891007 Caregiver role strain</td>
<td></td>
</tr>
<tr>
<td>Z56.3 Stressful work schedule</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>129891007 Caregiver role strain</td>
<td></td>
</tr>
<tr>
<td>Z56.6 Other physical and mental strain related to work</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>129891007 Caregiver role strain</td>
<td></td>
</tr>
<tr>
<td>Z63.7 Other stressful life events affecting family and household</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>129891007 Caregiver role strain</td>
<td></td>
</tr>
<tr>
<td>Z63.8 Other specified problems related to primary support group</td>
<td>73595000 Stress</td>
<td>37240003 Ineffective family coping: compromised</td>
<td>18676001 Ineffective family coping: disabling</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Z73.3 Stress, not elsewhere classified</td>
<td>73595000 Stress</td>
<td>129891007 Caregiver role strain</td>
<td>79365001 Decreased stress</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Z73.8 Other problems related to life management difficulty</td>
<td>18232000 Difficulty coping</td>
<td>129891007 Caregiver role strain</td>
<td>422761005 Difficulty managing stress</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**NO ICD-10-CM Mapping for SNOMED Child Codes**

- Absence of stress
- Able to manage stress
- Ineffective family coping: compromised
- Ineffective family coping: disabling
- Stress due to family tension
- Stressful work schedule
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.
Technology Update
1. The SDOH Clinical Care IG is a framework Implementation Guide (IG) and supports multiple domains

2. The IG supports the following clinical activities
   • Assessments
   • Health Concerns / Problems
   • Goals
   • Referrals
   • Consent
   • Aggregation for exchange/reporting

3. Completed January 2021 ballot as a Standard for Trial Use Level 1 (STU1)

Enabling SDOH Interactions/ Workflow
1. Document SDOH data in conjunction with the patient encounter and define Health Concerns / Problems.

2. Patient and provider establish SDOH related goals.

3. Plan, communicate, and track related interventions to completion.

4. Measure outcomes.

5. Establish cohorts of patients with common SDOH characteristics for uses beyond the point of care (e.g., population health management, quality reporting, and risk adjustment/ risk stratification).

6. Manage patient consent

---

Gravity FHIR SDOH Clinical Care IG Scope

http://build.fhir.org/ig/HL7/fhir-sdoh-clinicalcare/
Consent exchange for SDOH Clinical Care IG
Evaluating addition of workflow guidance for other actors

Based on feedback from the Gravity EC and SAC members we are evaluating the ability to add additional workflow guidance to the current implementation guide – initial review suggests that there are no changes required to the current FHIR artifacts defined in the IG to accommodate the additional exchanges.

We are considering adding the additional exchanges to both the reference implementation and as scenarios at the May connectathon.
Cloud based interaction picture (simplified)
Results from the January SDOH Clinical Care IG Ballot

**Results of ballot voting**
- Affirmative 63
- Negative 30
- Abstain 56
- No Vote 43
- Total 192

The ballot met the 60% threshold required to publish as an STU

**Ballot comments submitted**
- Total ballot comments 227
- Total negative comments 72
- Total affirmative comments 155

Note: Affirmative comments include typos, questions, suggestions, comments

**Ballot Reconciliation Status**
- The ballot reconciliation process started on 2/7/2021 and is expected to continue until the end of April.
- As of 3/30/2021 147 of the 227 ballot comments have dispositions - 80 to go

---

### Timelines

<table>
<thead>
<tr>
<th>2020</th>
<th>2021</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gravity FHIR IG Development</td>
<td>Final Updates /IG Publication</td>
</tr>
<tr>
<td>IG Ballot</td>
<td>IG Ballot Reconciliation</td>
</tr>
<tr>
<td>Reference Implementation Development</td>
<td>Reference Implementation Update</td>
</tr>
<tr>
<td>HL7 FHIR Connectathon</td>
<td>SDOH FHIR IG PILOTS</td>
</tr>
<tr>
<td>Pilots Recruitment</td>
<td></td>
</tr>
</tbody>
</table>

**TECHNICAL**

**PILOTS**
What's Next?

• Work with NLM, Regenstrief and other stakeholders to advance tooling that supports the multi-domain Gravity IG, externally maintained value sets, and questionnaires

• Work with the community to establish the clinical content required for multiple SDOH domains

• Advance development of the reference implementation

• Incorporate dispositions from January 2021 ballot comments

• Preparation for the May HL7 Connectathon

• Please join us every **Wednesday from 3 to 4 pm ET.** Meeting details and agendas available here: [https://confluence.hl7.org/display/GRAV/FHIR+IG+Work+Group+Meetings](https://confluence.hl7.org/display/GRAV/FHIR+IG+Work+Group+Meetings)
Reference Implementation

- Using the FHIR SDOH ClinicalCare IG
- Create a “reference implementation” that demonstrates all of the concepts in the IG
  - Survey based on FHIR Questionnaire including creation of a QuestionnaireResponse Ability to exchange coded results of the survey using FHIR observations
  - Ability to create Condition resources from the observations to demonstrate coding of Health Concerns
  - Ability to define and exchange Goals
  - Ability to create and exchange Tasks and ServiceRequests
  - Ability to aggregate Observations, Conditions, Goals, ServiceRequest, Procedures and exchange them with responsible organizations
  - Support for patient consent where appropriate
- Completed wire frames and initial exchange code for January connectathon
  - Wire frames and code: https://github.com/FHIR/Gravity-SDOH-Exchange-RI
  - HEROKU application: https://sdoh-exchange-ri-ehr.herokuapp.com
- Working on User Interfaces (EMR, CBRO, CBO, Payer) and all initial exchanges
  - Delivery in time for May connectathon
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.
Community Homework and Next Steps
Homework

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

- **Financial Strain**
  - Review Material Hardship screening, diagnosis, goals and interventions
    
    [https://confluence.hl7.org/display/GRAV/Financial+Strain](https://confluence.hl7.org/display/GRAV/Financial+Strain)

- **Stress**
  - Submit Stress screening and diagnosis
    
    [https://confluence.hl7.org/display/GRAV/Stress](https://confluence.hl7.org/display/GRAV/Stress)

- **Social Isolation**
  - Submit Social Isolation screening and diagnosis
    
    [https://confluence.hl7.org/display/GRAV/Social+Isolation](https://confluence.hl7.org/display/GRAV/Social+Isolation)
Next Steps

- 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

LinkedIn: Gravity Project
Twitter: @thegavityproj