The Gravity Project

Multi-Domain Concept Review

January 07, 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, LARNER COLLEGE OF MEDICINE  
Yale School of Nursing

sirenUCSF  
BlueCross BlueShield Association  
eat right. Academy of Nutrition and Dietetics  
AHRQ

AAFP  
AmeriHealth Caritas  
The Office of the National Coordinator for Health Information Technology  
Humana

UnitedHealthcare  
Arkansas  
onlyx  
nehii

juxly  
lyft  
California Health Care Foundation

https://confluence.hl7.org/display/GRAV/Gravity+Project+Sponsors
# Agenda

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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
The HL7® FHIR Virtual Connectathon will occur from January 13\textsuperscript{th} to 15\textsuperscript{th}, 2021

The Gravity team is leading the Gravity Project SDOH-CC Connectathon Track. The focus of this Connectathon track is 1) exchange and update interventions, and 2) exchange of observations, conditions, and goals.

- See Gravity’s Connectathon Track Page here: [https://confluence.hl7.org/display/FHIR/2021-01+Gravity+SDOH+Clinical+Care+Track](https://confluence.hl7.org/display/FHIR/2021-01+Gravity+SDOH+Clinical+Care+Track)
- Sign up to be a participant in Gravity’s track here: [https://confluence.hl7.org/display/GRAV/Connectathon+Participation+Sign-Up](https://confluence.hl7.org/display/GRAV/Connectathon+Participation+Sign-Up)
- See the HL7® FHIR Connectathon Page here: [https://confluence.hl7.org/display/FHIR/2021-01+Connectathon+26](https://confluence.hl7.org/display/FHIR/2021-01+Connectathon+26)
NCQA Phyllis Torda Health Care Quality and Equity Fellowship Open for 2021 Fellowship Applicants

- The Phyllis Torda Health Care Quality and Equity Fellowship Program enables NCQA to train a new generation of leaders from diverse backgrounds. NCQA recognizes that strength comes through diversity and actively seeks and welcomes applicants with diverse backgrounds, experiences, and identities.

- The Fellowship is a year-long, virtual program that offers an exciting training opportunity for someone interested in conducting research on health care quality and equity and gaining exposure to national health care policy issues and quality measure development.

- Applications are due January, 22nd 2021. Learn more about the fellowship here: [https://www.ncqa.org/about-ncqa/sponsorship-events/torda/](https://www.ncqa.org/about-ncqa/sponsorship-events/torda/)
ICD-10-CM Letters of Support

  - View Gravity’s ICD-10-CM submission incorporating Gravity Project’s consensus recommendations here: https://confluence.hl7.org/display/GRAV/ICD-10+Coding+Submissions

- The next step for the submission is review at the March 9-10 ICD-10-CM Coordination and Maintenance Committee Meeting.

- Should any member wish to send a letter of support, please send these directly to the committee at E-mail: nchsicd10cm@cdc.gov
  - Aim to send prior to 1/30/2021 to help make the case for review
On December 18, CMS published a notice of proposed rulemaking (NPRM) on prior authorization and patients’ electronic access to health information. The NPRM included a “Request for Information: Accelerating the Adoption of Standards Related to Social Risk Data.”

- The request for information is very relevant to the Gravity Project’s work.

The Gravity Project quickly prepared answers over the holiday and submitted a response to CMS on January 4, 2021.

- Read the letter here: https://confluence.hl7.org/display/GRAV/CMS+RFI+-+Accelerating+Adoption+of+Standards+Related+to+Social+Risk+Data
- Other organizations—31 letters at last count—also explicitly mentioned and supported the Gravity Project’s work!
Gravity Food Insecurity Press Release

- The Gravity Food Insecurity Press Release is now LIVE.
- Please help us share this PR far and wide: https://www.hl7.org/documentcenter/public/pressreleases/HL7_PRESS_20201211.pdf
Process Orientation

- We have a few new educational pieces available in the “Educational and Instructional Materials” section of the confluence!
  https://confluence.hl7.org/display/GRAV/Educational+and+Instructional+Materials
- New Terminology orientation slides
- And a video describing the adjudication process-
  https://www.youtube.com/watch?v=f1kJaTKONV0&feature=youtu.be
Process Grounding
Gravity Overview: Integration of Two Streams

Terminology: SDOH Domains

New Code Submissions

CODING VALUE SETS

Technical (FHIR)

FHIR IG Ballot & Publication

FHIR IG Development

Community & FHIR Coordination

FHIR IG Testing

FHIR IG Ballot & Publication

Publication in NLM VSAC & ONC ISA

Data Set Identification

Coding Gap Analysis & Recommendations
The Gravity Project...

**Goal**- Develop consensus-driven data standards to support use and exchange of social determinants of health (SDOH) data within the health care sectors and between the health care sector and other sectors.
Community Terminology Development
Gravity Use Cases

1. Document SDOH data in conjunction with the patient encounter.

2. Document and track SDOH related interventions to completion.

3. Gather and aggregate SDOH data for uses beyond the point of care (e.g., population health management, quality reporting, and risk adjustment/risk stratification).

https://confluence.hl7.org/display/GRAV/Gravity+Use+Case+Package
Project Schedule
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<tr>
<th>Date</th>
<th>Gravity WG Meeting Tasks</th>
<th>Homework</th>
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| 1/07 | **Inadequate Housing:** *Identify Screening Elements*  
      **Multi-Domain:** Goals and Interventions  
      **Financial Strain and Transportation:** Screening and Diagnosis End to End Review | *Submit:* Transportation Insecurity, Financial Strain Goals and Interventions Concepts  
*Review:* Transportation Insecurity, Financial Strain: Screening and Diagnosis Concepts  
*Submit:* Education, Veteran Status, and Employment Screening and Diagnoses |
| 1/21 | **Financial Strain and Transportation Insecurity:** All Activity End to End Review  
      **Education, Unemployment, Veteran Status:** Screening and Diagnoses End to End Review | *Review:* Transportation Insecurity, Financial Strain  
*Submit:* Education, Veteran Status, and Employment Screening and Diagnoses |
| 1/28 | **Financial Strain and Transportation Insecurity:** All Activity End to End Review  
      **Education, Unemployment, Veteran Status:** Screening and Diagnoses End to End Review | *Review:* Transportation Insecurity, Financial Strain  
*Review:* Education, Veteran Status, and Employment Screening and Diagnoses |
| 2/04 | **Multi-Domain:** *Consensus Vote* | *Vote!* |
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 USCDI Submission
Gravity Project’s Submission to USCDI: A New SDOH Data Class!

- ONC announced that the United States Core Data for Interoperability (USCDI) is open for submissions through October 23, 2020.
- The Gravity Project formally submitted our collective work as a new SDOH data class.
- Members of the Gravity Community also made submissions building on the Gravity Project’s work.
- On November 4, ONC categorized our submitted SDOH data class as Level 2:
  - Level 2 data elements demonstrate extensive existing use in systems and exchange between systems, and use cases that show significant value to current and potential users. These data elements would clearly improve nationwide interoperability. Any burdens or challenges would be reasonable to overcome relative to the overall impact of the data elements.
  - Level 2 data classes/elements will be considered for USCDI V2 Draft based on ONC assessment of a number of factors, including impacts for potential users, maturity of data and technical standards/implementation specifications, burden for implementation, etc.
- Members of the Gravity Community are now sending formal letters of support.
  - Thank you (to date): Providence St. Joseph Health, New York eHealth Collaborative, Jim Meyers, Nebraska Health Information Initiative (NEHII), American Academy of Family Physicians (AAFP), Highmark Health, Blue Shield of California, National Partnership for Women & Families (NPWF), Lucy Johns, Stewards of Change Institute, University of California San Francisco, OCHIN, HHS Administration for Children and Families (ACF), National Committee for Quality Assurance (NCQA), Onyx, BlueCross BlueShield Association (BCBSA), American Health Information Management Association (AHIMA), Buffalo School of Nursing, Codentyx, Lyft, AmeriHealth Caritas, AcademyHealth
Questions?

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Identify (Update): Inadequate Housing
Inadequate Housing Review

- In audit of the final master set it came to light that critical HUD screening approaches aligning with recommended diagnoses were missing.

- These elements are in the process of being added and will be available for review and then vote on 2/4
Questions?

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Please send all chats to Everyone.
A thank you...
# Subject Matter Experts

<table>
<thead>
<tr>
<th>Housing Insecurity/Homelessness</th>
<th>Transportation Insecurity</th>
<th>Financial Insecurity</th>
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<tr>
<td>Allison Bovel- Ammon- Children’s HealthWatch</td>
<td>Jennifer Sisto-Gall – Lyft</td>
<td>Dr Adam Schickedanz- UCLA Health</td>
</tr>
<tr>
<td>Richard Sheward- Children’s HealthWatch</td>
<td>Alexendra King- Community Transportation Association of America</td>
<td>Dr Jeffrey Colvin- U Missouri/Kansas</td>
</tr>
<tr>
<td>Susan Walker- HMIS Analyst</td>
<td>Dr Ipek Sener- Texas A&amp;M Transportation Institute</td>
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<tr>
<td>George Carter- HUD</td>
<td>Michael Adelberg – Research Lead, Medical Transportation Access Coalition</td>
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**Images:**
- [Allison Bovel](image1)
- [Susan Walker](image2)
- [Richard Sheward](image3)
- [George Carter](image4)
- [Jennifer Sisto-Gall](image5)
- [Alexandra King](image6)
- [Dr Ipek Sener](image7)
- [Dr Michael Adelberg](image8)
- [Dr Adam Schickedanz](image9)
- [Dr Jeffrey Colvin](image10)
Transportation Insecurity

Identify

Review
Transportation Insecurity - Definition

- Uncertain, limited, or no access to safe, reliable, accessible, affordable, and socially acceptable the transportation infrastructure and modalities necessary for maintaining one’s health, well-being, or livelihood.
Review: Transportation Insecurity Screening

- Health Leads
- PRAPARE
- NC Healthy Opportunities
- WA Association for Community Health
- Accountable Health Communities Tool
- PhenX

- CUBS
- PROMIS
- Well Rx
- AAFP
- Upstream Risk Tool
- NHIS
- Transportation Barriers Measure
## Review: Transportation Insecurity Diagnoses

<table>
<thead>
<tr>
<th>Child Term (a)</th>
<th>Child Term (b)</th>
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<tr>
<td>Transportation insecurity, inability to access health and social needs</td>
<td>Transportation insecurity, inability to access health appointments</td>
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<td>Transportation insecurity, inability to access pharmacy</td>
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<td></td>
<td>Transportation insecurity, inability to access food</td>
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<tr>
<td>Transportation insecurity, available transportation does not meet an individual’s functional and cognitive (social/psychosocial) needs</td>
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<tr>
<td>Transportation insecurity, excessive time spent travelling</td>
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<tr>
<td>Transportation insecurity, unable to afford transportation</td>
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<tr>
<td>Transportation insecurity, distance to destination limits available transportation options</td>
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<tr>
<td>Transportation insecurity, dependent on transportation assistance programs</td>
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<tr>
<td>Transportation insecurity, captive rider, limited transportation options</td>
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</table>
Transportation Insecurity- Goal and Interventions

- The Goals and Interventions Workgroup met in late November and have been collating their findings!
- Look for these to get filtered into the master over the next week
Initial Transportation Program Brainstorm
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.
Financial Insecurity
Financial Strain Evolution

“Financial Strain”

- Financial Insecurity
  - Financial Strain
  - Medical Cost Burden
- Debt
- Material Hardship
  - Inability to obtain internet
  - Inability to obtain utilities
  - Inability to obtain childcare
  - Inability to obtain..
Financial Insecurity and Material Hardship - Definition

- Financial Insecurity- A state of being wherein a person has difficulty fully meeting current and/or ongoing financial obligations and/or does not feel secure in their financial future

- Material Hardship- the lack of specific socially perceived basic physical necessities
Unintentionally, we have exponentially increased the range of initial domain…
We are proceeding…
BUT may adjust the timeline to compensate
Review: Financial Insecurity and Material Hardship Screening Tools

- Health Leads
- PRAPARE
- NC Healthy Opportunities
- American Housing Survey
- Accountable Health Communities
- AAFP
- Upstream Risks Tool
- BMC Thrive
- IHelp

- Patient Centered Assessment Method
- CFPB Financial Well-Being Scale
- WellRx
- PhenX Chronic Stress (Financial Stress)
- We Care
- Children’s HealthWatch
- Medical Expenditures Panel
- YCLS
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.
Identify: Education, Unemployment, Veteran Status Screening and Diagnoses
The Gravity team is currently in an gleaning process ensuring every domain relevant screening question and answer from peer-reviewed literature, standard process, and federal approaches are currently represented across the domains...

This includes:
• Ensuring census approaches are represented
• Auditing (and collating) all comprehensive screening tools for domain elements
• Browser searches

Again, look to these elements in the next week (or so) and review and prepare for 2/4 vote on screening and diagnoses
Questions?

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Please send all chats to Everyone.
Identify: Goals Consensus
Goals Consensus

- We are meeting with HL7 PCWG
- One of the things we are exploring is the relationship between goals and protective factors...
- If goals are “a desired state” can we build protective factors for use, as is appropriate, in global goal setting?
- Social determinants are not all risk!
Social Risks, Action Steps, Goals, and Protective Factors

- Social Risks
  - Subdomain
  - Subdomain

- Action Steps

- Protective Factors
  - Subdomain
  - Subdomain

- Transportation Insecurity
  - Lack of transportation (ride)
  - Inadequate transportation (ride)
  - Unaffordable Transportation (ride)
  - Inaccessible Transportation (ride)
  - Unsafe Transportation (ride)
  - Unreliable Transportation (ride)
  - Excessive Transportation (ride) Time

- Action Steps

- Transportation Security
  - Has transportation
  - Adequate Transportation
  - Affordable Transportation
  - Accessible Transportation
  - Safe Transportation
  - Reliable Transportation
  - ...
Questions?

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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

- **Transportation Insecurity**
  - Submit new goals and interventions concepts: via excel and email
    [https://confluence.hl7.org/display/GRAV/Transportation+Domain](https://confluence.hl7.org/display/GRAV/Transportation+Domain)

- **Financial Strain**
  - Submit new goals and interventions concepts: via excel and email
    [https://confluence.hl7.org/display/GRAV/Financial+Domain](https://confluence.hl7.org/display/GRAV/Financial+Domain)

- **Demographics: Education, Veteran Status, and Employment**
  - Submit new concepts: via excel and email
    [https://confluence.hl7.org/display/GRAV/Demographics+Domain](https://confluence.hl7.org/display/GRAV/Demographics+Domain)
Next Steps

- Join the Gravity Project as a Committed Member or Other Interested Party
  - 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