Consensus-driven Standards on Social Determinants of Health

Personal Health Literacy Concepts
Feb 17, 2022
Welcome

Thank you for joining the Gravity Project Community 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

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

• The Gravity Project is currently seeking additional sponsors for our 2022 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
# Agenda

<table>
<thead>
<tr>
<th>Topic</th>
<th>Presenter</th>
</tr>
</thead>
<tbody>
<tr>
<td>Announcements</td>
<td>Sarah/Mark/Evelyn</td>
</tr>
<tr>
<td>Introductions</td>
<td>Sarah</td>
</tr>
<tr>
<td>Project Schedule and Overview</td>
<td>Sarah</td>
</tr>
<tr>
<td>Personal Health Literacy Concepts</td>
<td>Sarah</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
Announcements

• Request for Information (RFI) on Strengthening Community Health Through Technology, Comments due Feb 28th
• CMS Commits Over $49 Million to Reduce Uninsured Rate Among Children and Boost Medicaid Enrollment Among Parents, Pregnant People, Applications due March 28th
• CMS CY 2023 Medicare Advantage and Part D Proposed Rule (CMS-4192-P)
• See more details regarding Gravity’s announcements here: https://confluence.hl7.org/pages/viewpage.action?pageId=91996855#TheGravityProject-Announcements
FHIR IG Workgroup Meetings

- HL7 SDOH CC FHIR IG Public Meetings are scheduled Wednesdays from 3:00pm to 4:00pm ET
- View agenda and past meeting materials [here](#).
- View HL7 calendar information [here](#).
Project Schedule and Overview
Gravity Overview: 2022 Roadmap

**Terminology Build and Dissemination**
- Personal Health Literacy
- Under Insurance
- Medical Cost Burden

**Technical Build, Dissemination and Evaluation**
- To Be Determined
- To Be Determined
- To Be Determined

**Pilots**
- SDOH FHIR IG Pilots
- HL7 FHIR Connectathons
- Gravity FHIR IG STU2 Ballot
- FHIR IG STU2 Ballot Reconciliation
- Reference Implementation Update
- FHIR IG STU2 Updates
- FHIR IG STU2 Publication

**Key**
- WE ARE HERE
- LOINC Code Release (FEB/AUG)
- SNOMED Code Release (MAR/SEP)
- ICD-10 Code Release (APR/OCT)

**Timeline**
- JAN
- FEB
- MAR
- APR
- MAY
- JUN
- JUL
- AUG
- SEP
- OCT
- NOV
- DEC

2/18/22
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
Terminology Build Updates and Action Steps
Terminology Build Updates

- The SDOH Data Elements and Status page on Confluence has been updated with the latest available codes
  (https://confluence.hl7.org/display/GRAV/SDOH+Data+Elements+And+Status)
- Diagnoses, Goals and Interventions available codes can now be found in the Value Set Authority Center (VSAC) (https://vsac.nlm.nih.gov/)
- To access the value sets, a free account needs to be established.
- Gravity value sets can be found by searching for The Gravity Project steward.
- Screeners can still be accessed on the confluence page using the link for each domain
- VSAC and the screeners will be updated after each major terminology release
- The next scheduled updates will be for LOINC (February) and SNOMED CT (March)
We have made a lot of hypotheses in our work to date. Now is time to test them!

We are convening a monthly task force of implementers to assist with the evaluation of Gravity terminology. If you are implementing terms, have ideas on function and purpose, please join us!

We would love to have you. gravityproject@emiadvisors.net
Terminology Identification
<table>
<thead>
<tr>
<th>Date</th>
<th>Gravity WG Meeting Tasks</th>
<th>Homework</th>
</tr>
</thead>
<tbody>
<tr>
<td>02/03</td>
<td>Personal Health Literacy Kickoff</td>
<td>Submit: Personal Health Literacy Concepts</td>
</tr>
<tr>
<td>02/17</td>
<td>Personal Health Literacy: Concepts</td>
<td>Submit: Personal Health Literacy Concepts</td>
</tr>
<tr>
<td>03/03</td>
<td>Personal Health Literacy: Concepts</td>
<td>Submit: Personal Health Literacy, Medical Cost Burden &amp; Under Insurance Concepts</td>
</tr>
<tr>
<td>03/17</td>
<td>Personal Health Literacy: Concepts</td>
<td>Submit: Personal Health Literacy, Medical Cost Burden &amp; Under Insurance Concepts</td>
</tr>
<tr>
<td>03/31</td>
<td>Personal Health Literacy: Concepts</td>
<td>Submit: Personal Health Literacy, Medical Cost Burden &amp; Under Insurance Concepts</td>
</tr>
<tr>
<td>04/14</td>
<td>Personal Health Literacy: End-to-End Review</td>
<td>Review: Personal Health Literacy Concepts</td>
</tr>
<tr>
<td>05/12</td>
<td>Personal Health Literacy Consensus Voting</td>
<td>Submit: Personal Health Literacy Consensus Votes</td>
</tr>
<tr>
<td>05/26</td>
<td>Medical Cost Burden and Under Insurance Consensus Voting*</td>
<td>Submit: Medical Cost Burden &amp; Under Insurance Consensus Votes</td>
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</tbody>
</table>
Community Terminology Development

We are here!

Pre-Work → Identify → Review → Vote → Analyze → Build → Test → Evaluate
A social determinants of health lexicon

- **Social Determinants of Health**: “the conditions in which people are born, grow, live, work and age,” which are “shaped by the distribution of money, power and resources.” WHO (Alderwick and Gottlieb, 2019)
  - Can offer both positive and negative forces
    - Positive Forces > Protective Factors
    - Negative Forces > Social Risks
Personal Health Literacy Concepts
Health Literacy Definitions

Healthy People 2030 Health Literacy Definitions

- **Personal Health Literacy** is the degree to which individuals have the ability to find, understand, and use information and services to inform health-related decisions and actions for themselves and others.

- **Organizational Health Literacy** is the degree to which organizations equitably enable individuals to find, understand, and use information and services to inform health-related decisions and actions for themselves and others.

Health Literacy Definitions, Cont.

- **Digital health literacy**, as defined by the World Health Organization, is the ability to seek, find, understand, and appraise health information from electronic sources and apply the knowledge gained to addressing or solving a health problem. Examples of digital health literacy include accessing your electronic health record, communicating electronically with your health care team, ability to discern reliable online health information, and using health and wellness apps.

- **Numeracy**, also known as quantitative literacy, refers to a set of mathematical and advanced problem-solving skills that are necessary to succeed in a society increasingly driven by data, as defined by the National Association of Secondary School Principals. Examples of Numeracy include understanding nutrition information, interpreting blood sugar readings, taking correct dosage of medication (ex. take one capsule twice a day), evaluating treatment benefits and risks, and understanding insurance costs and coverage.

Source: NLM, What is Health Literacy https://nnlm.gov/guides/intro-health-literacy
Health Literacy Models

World Health Organization

“Health Literacy Toolkit”

http://www.searo.who.int/entity/healthpromotion/documents/hl_toolkit/en/
Health Literacy Models

NAM

“Health Literacy: a Prescription to End Confusion”

FIGURE ES-1 Potential points for intervention in the health literacy framework.
Health Literacy Domains, Expanded
BU Health Literacy Toolshed

• Application/function
• Appraisal
• Communication: Listener
• Communication: Speaker
• Comprehension
• Conceptual Knowledge

• Information seeking: Document
• Information seeking: Interactive media navigation
• Media Literacy
• Numeracy
• Prose: Comprehension
• Prose: Pronunciation
# Health Literacy Domains, Applied

## Table 1

<table>
<thead>
<tr>
<th>Nutbeam's schema</th>
<th>Broad matching Health Literacy Questionnaire domains¹</th>
</tr>
</thead>
</table>
| Basic/functional health literacy: sufficient basic skills in reading and writing to be able function effectively in everyday situations | 2. Having sufficient information to manage my health  
8. Ability to find good-quality health information  
9. Understanding health information well enough to know what to do |
| Communicative/interactive health literacy: more advanced cognitive and literacy skills that, together with social skills, can be used to actively participate in everyday activities, to extract information and derive meaning from different forms of communication, and to apply new information to changing circumstances | 1. Feeling understood and supported by health care providers  
3. Actively managing my health  
4. Social support for health  
6. Ability to actively engage with health care providers  
7. Navigating the health system  
8. Ability to find good quality-health information |
| Critical literacy: more advanced cognitive skills, that together with social skills, can be applied to critically analyze information and to use this information to exert greater control over life events and situations | 3. Actively managing my health  
4. Social support for health  
5. Appraisal of health information |

¹Within each Health Literacy Questionnaire scale there are some elements of the three levels of Nutbeam’s schema, so overlap is expected. Reprinted (permission is not required) under the Creative Commons Attribution License (CC BY) from Osborne et al., 2013.
Gravity Data Decisions

• Do we include measures for all subdomains of health literacy?
• Do we address digital health literacy independently?
• Do we craft diagnoses/problem subtypes for each of the subdomains? Or, just a general “Problem with health literacy?” concept?
  • What would be the use case for these expanded terms?

• In general, how do we plan well to not just assess communities and community assets, but also assess systems and system responsiveness?
Gravity Interventions Council

• We will again convene a taskforce/council to assist with discerning necessary interventions
• Looking for community experts in connecting individuals with necessary resources
  • It is possible many of the programs will be shared with our previous domains (education and social connection)
• Please send an email to gravityproject@emiadvisors.net
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 & 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

• Personal Health Literacy
  • Submit concepts
    https://confluence.hl7.org/display/GRAV/Personal+Health+Literacy
Join the Gravity Project!

https://confluence.hl7.org/display/GRAV/Join+the+Gravity+Project

Learn More

• Public Collaborative meets bi-weekly on Thursdays 4:00 to 5:30pm ET. View meeting details here: https://confluence.hl7.org/display/GRAV/Gravity+Project+Meetings

• SDOH FHIR IG Workgroup meets weekly Wednesdays 3:00 to 4:00pm ET. View meeting details here: https://confluence.hl7.org/display/GRAV/FHIR+IG+Work+Group+Meetings

Help us with Gravity Education & Outreach

Use Social Media handles to share or tag us to relevant information

@thegravityproj

https://www.linkedin.com/company/gravity-project

Help us find new sponsors and partners

Partner with us on development of blogs, manuscripts, dissemination materials

Submit SDOH domain data elements:
https://confluence.hl7.org/display/GRAV/Data+Element+Submission
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