Consensus-driven Standards on Social Determinants of Health

Health Literacy, Health Insurance Coverage Status & Medical Cost Burden End-to-End Review, Apr 28, 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](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](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](https://confluence.hl7.org/display/GRAV/The+Gravity+Project)
### Project Founders, Grants, and In-Kind Support To-Date

<table>
<thead>
<tr>
<th>PROVIDER</th>
<th>SOCIAL SERVICES</th>
<th>PAYER</th>
<th>TECHNOLOGY VENDOR</th>
<th>GOVERNMENT</th>
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<td>CyncHealth</td>
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<td>Blue Cross Blue Shield Association</td>
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<td>Blue Cross Blue Shield</td>
<td>INTEROPERABILITY INSTITUTE</td>
<td>UNITE US</td>
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<td>Health Care that Works for All Californians</td>
<td>Academy of Nutrition and Dietetics</td>
<td>UnitedHealthcare</td>
<td>INSTITUTE</td>
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[https://confluence.hl7.org/display/GRAV/Gravity+Project+Sponsors](https://confluence.hl7.org/display/GRAV/Gravity+Project+Sponsors)
Gravity Project Financial Update and Sponsorship

• The Gravity Project is not an entity: it is a project funded through stakeholder sponsorship.
• We are currently facing a funding gap that requires prioritization of activities; this may affect meetings and events in the coming months.
• Our priority is to preserve the collective domain work, STU2 balloting, and within that this public forum - the heart of what we do.
• It is more important than ever to direct any sponsoring opportunities 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 / Evelyn</td>
</tr>
<tr>
<td>Project Schedule and Overview</td>
<td>Sarah</td>
</tr>
<tr>
<td>Health Literacy, Health Insurance Coverage Status &amp; Medical Cost Burden End-to-End Review</td>
<td>Sarah</td>
</tr>
<tr>
<td>Technology Update</td>
<td>Greg</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

• JOIN: CDC’s SDOH Public Health Use Case Workgroup.
• eHealth Exchange Innovation Grant, Intent to Apply due April 29th.
• Blue Shield of California/Milbank Memorial Fund Event: Scaling Action on SDOH and Social Needs in Primary Care, May 12th.
• White House Announces Five Life Experiences for Collective Focus and Improvement.

See more details regarding Gravity’s announcements here: https://confluence.hl7.org/pages/viewpage.action?pageId=91996855#TheGravity Project-Announcements
Project Schedule and Overview
Gravity 2022 Roadmap

- **Terminology and Technical Pilots**
  - **Build and Dissemination**
    - Health Literacy
    - Health Insurance Coverage Status
    - Medical Cost Burden

- **Technical**
  - FHIR IG STU2 Ballot
  - FHIR IG STU2 Ballot Reconciliation
  - Reference Implementation Update
  - HL7 FHIR Connectathons
  - FHIR IG STU2 Updates
  - FHIR IG STU2 Publication
  - FHIR IG STU2 Updates based on Connectathon & Pilot Testing

- **Pilots**
  - Terminology and Technical Pilots
  - LOINC Code Release (FEB/AUG)
  - SNOMED Code Release (MAR/SEP)
  - ICD-10 Code Release (APR/OCT)

**Key**

- **WE ARE HERE**
  - 4/28/22

**Dimensions**

- **JAN**
- **FEB**
- **MAR**
- **APR**
- **MAY**
- **JUN**
- **JUL**
- **AUG**
- **SEP**
- **OCT**
- **NOV**
- **DEC**
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- ICD-10-CM

- ICD10-CM Coordination & Maintenance Committee
  - Comments on the Gravity requested terms must be submitted no later than May 9\textsuperscript{th}, 2022 at nchsicd10CM@cdc.gov.
  - We encourage everyone to submit comments in support of our request. You may submit your own comments or use the form letter provided here.
  - A copy of the final Diagnosis Agenda containing the Gravity submission (starting on page 81) can be downloaded here.
Terminology Identification
# Terminology Schedule and Activities

<table>
<thead>
<tr>
<th>Date</th>
<th>Gravity WG Meeting Tasks</th>
<th>WG Homework</th>
</tr>
</thead>
</table>
| 04/14  | Health Literacy: **End-to-End Review**  
Medical Cost Burden and Health Insurance Coverage Status: **Concepts** | Review: Health Literacy Concepts  
Submit: Medical Cost Burden & Health Insurance Coverage Status Concepts |
| 05/12  | **Health Literacy Consensus Voting**  
Medical Cost Burden & Health Insurance Coverage Status: **End-to-End Review** | Submit: Health Literacy Consensus Votes  
Review: Medical Cost Burden & Health Insurance Coverage Status Concepts |
| 05/26  | **Medical Cost Burden & Health Insurance Coverage Status Consensus Voting** | Submit: Medical Cost Burden & Health Insurance Coverage Status Consensus Votes |
Community Terminology Development

We are here!
End to End Review

- End to end review is a time to step back and consider the whole set and ask questions
  - Are there missing concepts?
  - Are there incorrect concepts that need to be changed?
  - Are there concepts that are unnecessary and should be removed?
- Comments and edits must be offered in written form with *rationale and evidence* for suggested alternate approaches.
- All elements must be assessed by our subject matter experts
- [gravityproject@emiadvisors.net](mailto:gravityproject@emiadvisors.net)
Health Literacy Concepts
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.

Source: U.S. Department of Health and Human Services. Healthy People 2030 Health Literacy Definitions. 2020; Institute of Medicine, 2014
**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.


**Organizational concerns must have organizational interventions and organizational solutions**
Health Literacy- Screening Tools

• BRIEF Health Literacy Screening Tool (BRIEF)
• Health Literacy and Communication Panel (ePCAM)
• All Aspect of Health Literacy Scale (AAHLS)
• Short Assessment of Health Literacy (SAHL-E and SAHL-S)
• Rapid Estimate of Adult Literacy in Medicine—Short Form (REALM-SF)
• Health Leads Health Literacy elements
• The Medical Expenditure Panel Survey (MEPS) Health Literacy questions
• Single Item Literacy Screener (SILS)
• Health Literacy Assessment Tool (HLAT-8)
# Health Literacy Diagnosis Codes

## SNOMED-CT
- Difficulty demonstrating health literacy

## ICD-10 (ICD-11)
- Other problems related to education and literacy
- Problem with health literacy (ICD-11)
- Problem with health literacy (ICD-10)

- Requires **document** translation to support health literacy
- Requires **language** interpretation to support health literacy
- Requires digital education to support health literacy
- Requires plain language intervention to support health literacy
- Requires culturally responsive **intervention** to support health literacy

**Bold = existing term**

- Focus on person
- Representing organization-level responsibilities to the person
Health Literacy Goals

• Able to demonstrate health literacy (finding)

• Has access to understandable and useful information to inform health-related decisions

Bold = existing term
Health Literacy Interventions

Adult Learning Center
Basic Skills Training Program
Digital Literacy Program
English as a Second Language Program (ESL)
Peer Support Program
Peer Support Specialist
Library Educational Services
Tutoring Programs
Area Agency on Aging
Community Action Agency program

Document Translation Services
State Health Literacy Program
The Heal Program
Telephone and Relay Services
Language Interpretation Services
Reading Services for People With Disabilities

Referral to interpreter
General Interventions

• Referrals to profession/role
  • Care manager
  • Case manager
  • Case navigator
  • Community health worker
  • Lawyer
  • Social worker

• Programs
  • Area Agency on Aging
  • Benefits Enrollment Assistance
  • Community Action Agency
  • Community Resource Network
  • Medical Legal Partnership
  • Legal Aid
General Interventions cont.

• Activities
  • Assessment of communication barriers
  • Coordination of care plan/care team
  • Counseling for social determinant of health risk
  • Assessment for _________
  • Assessment of barriers to _________ care plan
  • Assessment of goals to achieve _________ (goal statement)
  • Assessment of progress toward goals to achieve _________ (goal statement)
  • Counsel for barriers achieve _________ (goal statement)
  • Counseling for _________ care plan participation barriers
  • Counseling for readiness to achieve _________ (goal statement)
  • Counseling for readiness to implement _________ care plan
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.
Health Insurance Coverage Status Concepts
Health Insurance Coverage Status Definitions

• Documentation of presence and type of health insurance coverage.
  • In line with federal survey approaches

  • “Are you covered by any kind of health insurance or some other kind of health care plan?”
    • Yes, No, Refused, Don’t Know
  • “What kinds of health insurance or health care coverage do you have?”
    • Private health insurance, Medicare, Medicare supplement, Medicaid, Children's Health Insurance Program or CHIP, military related health care including TRICARE, CHAMPUS, VA health care and CHAMP-VA, Indian Health Service, a state-sponsored health plan, or another government program?
### Health Insurance Coverage Status – Diagnoses

<table>
<thead>
<tr>
<th>SNOMED CT</th>
<th>ICD-10-CM</th>
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<tbody>
<tr>
<td><strong>Uninsured medical expenses</strong></td>
<td><strong>Insufficient health insurance coverage</strong></td>
</tr>
<tr>
<td>No health insurance coverage</td>
<td></td>
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</table>

Uninsured medical expenses

No health insurance coverage
Health Insurance Coverage Status – Goals

SNOMED CT

<table>
<thead>
<tr>
<th>Coverage Type</th>
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<tbody>
<tr>
<td>Employee group health insurance coverage</td>
</tr>
<tr>
<td>Department of veteran's affairs health coverage</td>
</tr>
<tr>
<td>Medicaid coverage</td>
</tr>
<tr>
<td>Medicare advantage coverage</td>
</tr>
<tr>
<td>Medicare coverage</td>
</tr>
<tr>
<td>Private health insurance held</td>
</tr>
<tr>
<td>Has health insurance coverage</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.
Medical Cost Burden
Medical Cost Burden Definitions

• A measure of financial pressure resulting from health spending stemming from inadequate resources to meet medical cost needs

• Carabello et al
  ▪ In the past 12 months did you/anyone in your family have problems paying or were unable to pay any medical bills? Including bills for doctors, dentists, hospitals, therapists, medication, equipment, nursing home, or home care?

  ▪ *Do you/anyone in your family currency have medical bills that are being paid off over time? This could include medical bills being paid off with a credit card, through personal loans, or bill paying arrangements with hospitals or other providers? The bills can be from earlier years as well as this year?*

  ▪ *Do you/Does anyone in your family currently have any medical bills that you are unable to pay at all?*
Medical Cost Burden - Differentiated from Medical Material Hardship

We consulted our Material Hardship and Medical Cost Burden subject matter experts

- Not being able to obtain healthcare needs and services due to cost (Medical Material Hardship) DOES NOT mean one has debt/strain from accessing healthcare needs and services (Medical Cost Burden).
- Because, one could elect to not get the study, acquire the medication, etc, and not have Medical Cost Burden, but have Material Hardship
- Thus, those concepts belong in Material Hardship, where they are now, and we will audit that domain for thoroughness based on newly submitted terms
# Medical Cost Burden – Diagnoses

<table>
<thead>
<tr>
<th>SNOMED CT</th>
<th>ICD-10-CM</th>
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<tr>
<td>Excessive out of pocket medical expenses</td>
<td>Financial Insecurity (past domain)</td>
</tr>
<tr>
<td>Excessive medical debt</td>
<td></td>
</tr>
<tr>
<td>Financial insecurity due to medical cost burden</td>
<td></td>
</tr>
</tbody>
</table>
Medical Cost Burden – Goals

SNOMED CT

• Able to pay for healthcare needs
• Able to afford medicine (from the Material Hardship build)
• Able to afford medical device
• Financial Security

Note: although the problem statements for material hardship and medical cost burden are distinct, the general goals can be in common

Note: as a subtype of financial insecurity, financial security as a goal applies
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.
USCDI v3 Comment Process

- After the last public call, we received review comments on the new HITAC approved health status elements for USCDIv3.
  - Pregnancy, Functional Status, and Disability Status.
- These recommendations happen outside of the Gravity Project and within the role of the Health Information Technology Advisory Committee (HITAC) and the Interoperability Standards Workgroup.
- However, anyone wishing to comment can navigate to the ONC USCDIv3 website and comment via ONC’s USCDI comment field under the element you desire to address. **Comments Due by 4/30!**
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

Ballot Reconciliation:

This week we worked to move 5 issues from Submitted to Triaged but that doesn't change our Resolved count which leaves us with 128 of 256 items still to address.

The Technical Working Group continues to meet every Wednesday to review and discuss resolutions to the ballots submitted.

For Technical Working Group Meeting Minutes please go to: FHIR IG SDOH Working Group - Minutes

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<tr>
<td>Total Ballot Comments</td>
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<tr>
<td>Awaiting Input</td>
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<td>Submitted</td>
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<tr>
<td>Triaged</td>
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<td>92</td>
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<tr>
<td>Resolved - Change Required</td>
<td>32</td>
<td>32</td>
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<tr>
<td>Resolved - No Change</td>
<td>46</td>
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<td>Duplicate</td>
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<td>1</td>
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<td>175</td>
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<td>Deferred</td>
<td>5</td>
<td>5</td>
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<tr>
<td>Resolved</td>
<td>228</td>
<td>228</td>
</tr>
<tr>
<td>Outstanding</td>
<td>128</td>
<td>128</td>
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</table>

Resolved: 228, 67.86%

Outstanding: 128, 38.10%
Technology Update

Personal Characteristics:
- Continued work on getting a successful build.
- Engaged resource to work on related StructureMap work.
  - Due to tool being deprecated, additional hours on top of the estimated 8 will be necessary.

Connectathon:
- Still need more people to sign up, register here.
- Initial meeting with track leads held.
- Met with PACIO on track integration.
Open invitation

We want your feedback on the technical specs Gravity is developing—whichever pieces (or all of it) are of interest to you.

Join our **weekly Wed meetings**

Submit specification feedback here: [http://hl7.org/fhir-issues](http://hl7.org/fhir-issues)
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

• Health Literacy
  • Review concepts
    
    https://confluence.hl7.org/display/GRAV/Health+Literacy

• Medical Cost Burden
  • Review concepts
    
    https://confluence.hl7.org/display/GRAV/Medical+Cost+Burden

• Health Insurance Coverage Status
  • Review concepts
    
    https://confluence.hl7.org/display/GRAV/Health+Insurance+Coverage+Status
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

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

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
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