Consensus-driven Standards on Social Determinants of Health

Gravity Connectathon Track Planning
July 13, 2022
Gravity Technical Workstream, Powered By

newwave

SAFFRON labs
Join the Gravity Track Today!

Participate in the July CMS Connectathon, powered by SAFFRON labs

• **LAST CHANCE TO REGISTER** - you received the email below…

Dear All,

There are a limited number of late registration slots available that can be claimed by registering here. Note that once the event is full, they will not be able to let more people in because of technology thresholds.

Best regards,

The Gravity Project Team

• Gravity Track page [here](#).
• Weekly Gravity Track Planning calls, Wednesdays from 3:00- 4:00 PM ET. Join [here](#).
<table>
<thead>
<tr>
<th>Date</th>
<th>Connectathon Planning Tasks</th>
</tr>
</thead>
<tbody>
<tr>
<td>06/15/22</td>
<td>Gravity Track Implementor Connection Planning Kick-Off Call</td>
</tr>
<tr>
<td>6/22/22</td>
<td>Continue Discussion of Actor Roles Begin to Develop Personas and Define Scenarios</td>
</tr>
<tr>
<td>06/29/22</td>
<td>Confirm Participation and Track Plan Documentation</td>
</tr>
<tr>
<td>07/06/22</td>
<td>Finalize Actor Roles and Transactions</td>
</tr>
<tr>
<td></td>
<td>CMS Implementor Kickoff Info. Session on Monday 7/11</td>
</tr>
<tr>
<td>07/13/22</td>
<td>Address Emerging Details, Testing Needs/Assumptions, Ideas for Capturing the Experience and Learnings. Finalize Use Cases and Content</td>
</tr>
<tr>
<td>07/19/22 - 7/21/22</td>
<td>CMS FHIR Virtual Gravity Project Track July 19-21</td>
</tr>
<tr>
<td></td>
<td>Gravity Track Review Session on Wednesday 7/20</td>
</tr>
</tbody>
</table>
## Agenda

<table>
<thead>
<tr>
<th>Topic</th>
<th>Presenter</th>
</tr>
</thead>
<tbody>
<tr>
<td>Agenda Overview, Reminder to Register (3m)</td>
<td>Jillian</td>
</tr>
<tr>
<td>Gravity Track Page Walkthrough (2m)</td>
<td>Greg</td>
</tr>
<tr>
<td>CMS Connectathon Schedule for Gravity (5m)</td>
<td>Greg</td>
</tr>
<tr>
<td>Address Emerging Details, Testing Needs/Assumptions, Ideas for Capturing the Experience and Learnings. Finalize Use Cases and Content (30m)</td>
<td>Greg / Aaron</td>
</tr>
<tr>
<td>Team 1 and Team 2 Scenarios (20m)</td>
<td>Greg / Aaron</td>
</tr>
<tr>
<td>Next Steps (5m)</td>
<td>Greg</td>
</tr>
</tbody>
</table>
Quick Review of Gravity Track Page
3 Use Cases each with testing scenarios.
CMS Connectathon Schedule for Gravity Track
Gravity Schedule

**July 20:**
9:00 AM Gravity SDOH Overview (Aaron Seib)
10:00 AM Gravity SDOH Test Session 1
- Demo Participants: Open City Labs, Zane Networks, MayJuun
- Host (Brian): Any presentation slides and introductions.
- Patient (Gray): Mark Daniels, a 70yo with Diabetes Mellitus Type 2 (SNOMED 44054006) and Coronary Artery Disease (SNOMED 53741008) problems.
- Care Coordinator (Michelle): ODH user responsible for managing and coordinating care for the Patient.
- Referral Coordinator (Matt): Carla Sanchez, ODH and Navigator360 user responsible for issuing referrals to CBROs/CBOs in support of care of a Patient.
- Case Manager (Matt): Reeza Shah, Navigator360 user from Monmouth County Office on Aging, responsible for responding to referrals to her Area Agency on Aging (AAA).
10:30 AM Gravity SDOH Test Session 2
- Demo Participants: Saffron Labs, Elimu, HealthLX
- Patient Assessment Saffron Labs demo the Provider side of ordering the completion of a Hunger Vital Sign and Personal Characteristics Survey. Pulse app for the Provider Side and the Clarity App for the Patient side using the Reference Implementation.
- Provider Referral Flow demo the provider side working with patient to identify needs and create a referral. Elimu will demonstrate this ability using the Reference Implementation.
- CBO closed-loop flow HealthLX using the UI of the RI to demonstrate the flow from the CBO perspective.
  - Here is the Ta-da regarding the Personal Characteristics. By the end of this demo we will have shown that not only can we support the IG functionality related to CLR – the spec in regards to PC is readily deployable in other use cases such as in the context of the Direct Protocol (MaxMD) this is consistent reusability with the 360X project.
- Close-out message is that the work of the Gravity project is broadly reusable
11:00 AM Gravity SDOH Office Hours
12:00 PM Gravity SDOH Implementers Huddle
12:30 PM switch to afternoon session

**July 21:**
2:20 – 2:40 PM Track Highlight featuring those who have implemented the IG and demonstrated during the 20th sessions
Address Details, Testing Needs, Ideas for Capturing the Experience

Finalize Use Cases and Content
Teams / Tracks

Having reviewed in more detail the Use Cases from last week we feel it best that we split the Connectathon Demonstrations into two separate Tracks, Team 1 and Team 2.

Team 1:
- Elimu
- Saffron Labs
- MaxMD

Team 2:
- MayJuun
- Open City Labs
- Zane Networks
Team Focus

Team 1:
Will be focused on demonstrating the original 4 Use Cases that were presented last week and their integration will use the normal Gravity Reference Implementation sandbox.

Team 2:
Will be demonstrating an end to end flow between their members using their own dedicated FHIR server and the Gravity Reference Implementation sandbox.

More information will be required here from Team 2
Team 1 Scenario
Overall Scenario

Can we make the DOB of Dan Mars 7/19/1957? That would make him 65 on the date of the connectathon.

Dr. Casey Payton sees patient Dan Mars and learns that he may have SDOH concerns (Food Insecurity) so asks the case manager to see and assess Mr Mars’s situation since he may not have access adequate food access.

The case manager interviews Mr Mars using the HVS questionnaire and assesses that he currently does not have sufficient access to food and is at high risk for not being able to afford food over the next 3 months.

The social worker coordinates with a known and trusted CBO to request services than can help address his food insecurity. The social worker at the CBO, Susan Stars, further assesses Mr. Mars’ needs and matches him the services that best fit his needs. The case manager contacts Susan Stars (or Susan Stars contacts the case manager) to get a status update to understand if they can provide the requested services. Regular status updates are provided by the CBRO to the case manager who then provides a summary status to Dr Casey Payton.

Please reference the use cases on the Gravity Track Page and update the description of your role/scenario on this Actor Roles list.
Dr. Casey Payton sees patient Dan Mars and learns that he may have SDOH concerns (Food Insecurity) so asks the case manager to see and assess Mr Mars’s situation since he may not have access adequate food access. The case manager interviews Mr Mars using the HVS questionnaire and assess that he currently does not have sufficient access to food and is at high risk for not being able to afford food over the next 3 months. The social worker coordinates with a known and trusted CBO to request services than can help address his food insecurity. The social worker at the CBO, Susan Stars, further assesses Mr. Mars’ needs and matches him the services that best fit his needs... The case manager contacts Dr. Payton to let a status update be known so Dr. Payton can be more diligent in checking in on the status of the services. Regular status updates are sent to the CBO and the case manager who then provides a summary status to Dr CASEY PAYTON.

**Services Requested:**
- SCT: 100224003 Assessment for food insecurity (procedure)
Use Cases

Use Case 1
- Dr Payton has access to HVS assessment (FHIR QuestionnaireResponse) used to evaluate Dan Mars’ food insecurity status/risk
  - Confirms/asserts condition after evaluating responses and derived assessment observations

Use Case 2
- Dr Payton creates and sends a service request to the CBO to address food insecurity condition
  - Generates a FHIR ServiceRequest accompanied by a FHIR Task, Condition and accompanying QuestionnaireResponse

Use Case 3
- CBO acknowledges and accepts the referral
  - CBO updates FHIR Task status

Use Case 4
- CBO provides status update indicating the specific services that Dan Mars is now enrolled in and a status to the provider that the task has been successfully completed
  - CBO updates FHIR Task status and includes references to performed services (FHIR Procedures)

Please reference the use cases on the Gravity Track Page and update the description of your role/scenario on this Actor Roles list.
CBO Directory

Current implementation searches
Organization endpoint for
Organization.type=cbo
Use Case 1 - Patient Assessment

● Saffron Labs

● Dr Payton has access to HVS assessment (FHIR QuestionnaireResponse) used to evaluate Dan Mars’ food insecurity status/risk
  ○ Confirms/asserts condition after evaluating responses and derived assessment observations

● What are we missing about your plan?
  RECOMMENDING TEAMS ADD CONTENT

---

CBO Directory

Current implementation searches
Organization endpoint for
Organization.type=cbo
Use Case 2 - Provider Referral Role

- Elimu
- Dr Payton creates and sends a service request to the CBO to address food insecurity condition
  - Generates a FHIR ServiceRequest accompanied by a FHIR Task, Condition and accompanying QuestionnaireResponse
- What are we missing about your plan?
  - RECOMMENDING TEAMS ADD CONTENT
  - Open City Labs
  - MayJuun
  - Zane

CBO Directory

Current implementation searches
Organization endpoint for Organization.type=cbo
Use Case 3 - CBO Role

- HealthLX
- CBO acknowledges and accepts the referral
  - CBO updates FHIR Task status

CBO Directory

Current implementation searches
Organization endpoint for
Organization.type=cbo
Use Case 4 - Practitioner Role

- HealthLX
- Dr. P can see service has been completed. In output, there should be several procedures
- What are we missing about your plan?

RECOMMENDING TEAMS ADD CONTENT

CBO Directory

Current implementation searches
Organization endpoint for
Organization.type=cbo
Use Cases 1-4

Recommending OCL, Zane, MayJuun provide content during call and create corresponding diagrams.
Next Steps

• OCL, Zane, MayJuun provide create diagrams for use cases and send to Gravity Track Leads by COB Friday 7/15

• Register for Gravity Track if not yet registered

• Download Whova and enter into CMS Connectathon event
Questions?

Gravity Project Interim Tech. Director, Greg Harris: Gregory.harris@newwave.io

Gravity Executive Committee Co-Chair, Aaron Seib: aaron.seib@newwave.io
Non-Code Based Visualizations

Greg to send Jillian / Demri copies to include in the deck for next week.