



PACIO Weekly Meeting

Time: Wednesday, December 22, 2021, 1:30 pm – 2:30 pm ET

Location: ZoomGov Meeting

Meeting ID: 160 985 6747

PACIO Project Website: www.PACIOproject.org

PACIO Project HL7 Confluence:

<https://confluence.hl7.org/display/PC/PACIO+Project>

This meeting is being recorded. In all discussions, members should be aware that meetings are recorded and include representatives of companies that may compete with one another in the marketplace. This working group is a public forum and therefore all information shared will be publicly available.

Summary

1) Leadership Update (Dave Hill)

The Leadership Update slide deck is available on Confluence:

<https://confluence.hl7.org/download/attachments/86977192/2021-12-22%20PACIO%20Leadership%20Update.pptx?version=1&modificationDate=1640205499681&api=v2>

- No PACIO meeting on December 29th.
- HL7 Connectathon-29 (January 10-12, 2022)
 - Connectathon will be virtual, based in Central Standard Time (CST).
 - Track Kick off will be January 5, 2022 from 1:30-2:30pm ET using the regular PACIO weekly meeting time/zoom link (all welcome to join).
 - PACIO SPLASCH Connectathon track page:
<https://confluence.hl7.org/display/FHIR/2022-01+PACIO+SPLASCH>
 - Contact Brian Meshell at bmeshell@mitre.org if interested in participation.
 - Participant Checklist and list of all Connectathon tracks:
<https://confluence.hl7.org/display/FHIR/2022+-+01+Connectathon+29>
 - HL7 FHIR newcomer educational video:
<https://vimeo.com/542197402/8fb80fea04>
- HL7 Work Group Meetings (January 18-21, 2022)
 - Meetings will be virtual, based in Central Standard Time (CST).
 - Early bird registration deadline is January 4th
https://www.hl7.org/events/working_group_meeting/2022/01/
- Upcoming PACIO presentations:



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- January 18, 2022: HL7 Work Group Meeting “Birds of a Feather” Session https://www.hl7.org/events/working_group_meeting/2022/01/
- January 20, 2022: Forcura Connect Summit “Interoperability Playbook” <https://www.forcura.com/connect-summit>
- March 16, 2022 (11:30am-12:30pm) HIMSS “Advance Care Planning Hits the 21st Century with FHIR” <https://www.himss.org/global-conference/session-advance-care-planning-hits-21st-century-fhir>
- Ballot Update
 - PACIO has two ballot IGs
 - Advance Directives Interoperability <http://hl7.org/fhir/us/pacio-adi/2022Jan/>
 - Re-assessment Timepoints <http://hl7.org/fhir/us/pacio-rt/2022Jan/>
 - Ballot voting opened December 10 and closes January 10, 2022.
 - PACIO leadership encourages those without voting rights to review and have someone in the ballot pool vote on your behalf or file a JIRA comment yourself (non-voting) at <https://jira.hl7.org/projects/FHIR>
- PACIO Ballot Dashboards
 - New PACIO dashboard (master) to track balloting on projects: <https://jira.hl7.org/secure/Dashboard.jspa?selectPagelId=14008>
 - Advance Directive Interoperability (ADI dashboard): <https://jira.hl7.org/secure/Dashboard.jspa?selectPagelId=14006>
 - Re-assessment Timepoints dashboard: <https://jira.hl7.org/secure/Dashboard.jspa?selectPagelId=14007>
 - PACIO leadership reports the current numbers of votes cast are consistent in numbers to other ballot IGs.

2) SPLASCH Update (Brian Meshell and Jamila Harley)

(**S**peech, **L**anguage, **S**wallowing, **C**ognitive **C**ommunication, and **H**earing)

- The SPLASCH Implementation Guide (IG) is available at: <https://paciowg.github.io/splash-ig/>
- Tech team added to the IG preliminary sample data (over 100 observation instances) for the January HL7 Connectathon testing at <https://paciowg.github.io/splash-ig/artifacts.html#example-example-instances>
Minor changes still may occur prior to the Connectathon.
- SPLASCH January 2022 HL7 Connectathon track schedule and other Connectathon details are available at: <https://confluence.hl7.org/display/FHIR/2022-01+PACIO+SPLASCH>
- Anyone interested in attending SPLASCH subgroup meetings or testing implementations at the Connectathon please email Brian Meshell at bmeshell@mitre.org.



- Subgroup leadership reported the December 21 SPLASCH meeting focused on clinical subject matter experts' review and final wording revisions to the patient story and recommendation for sample data for an additional therapy profession in the hospital scene. PACIO leadership completed the recommended changes to the use case diagrams and enhancements to the Connectathon's sample data are in process.

3) Cognitive Status and Functional Status STU-2 Update (Dave Hill)

- PACIO leadership presented overview thoughts about the December 15, 2021 presentation to PACIO by Dan Vreeman (Gravity Project Technical Director).
 - Leadership consideration slides are available at:
<https://confluence.hl7.org/download/attachments/86977192/2021-12-22%20Cognitive-Functional%20Status%20STU2.pptx?version=1&modificationDate=1640205532924&api=v2>
 - Dan Vreeman's presentation slides are available at:
<https://confluence.hl7.org/download/attachments/86977192/2021%2012%2014%20-%20PACIO-Gravity%20Collaboration%20Meeting.pptx?version=1&modificationDate=1639605058843&api=v2>
- The data PACIO and Gravity exchange have a lot of the same structure, even though the content domains and vocabulary differ. Creating different FHIR profiles for each type of healthcare domain would result in hundreds of different profiles.
- PACIO could investigate adoption of the Gravity strategy of creating a single IG, and then recommending use of domain specific value sets when different types of health data need to be exchanged.
 - If adopted, Cognitive Status, Functional Status, and potentially SPLASCH might be combined into a single IG.

4) Gravity and PACIO Similarities (Matt Elrod)

- Analogous items between Gravity and PACIO present an opportunity to identify similar conceptual frameworks to provide a foundation for future efforts. Slides are available at:
https://confluence.hl7.org/download/attachments/86977192/20211222_Gravity%20and%20PACIO%20Similarities.pptx?version=1&modificationDate=1640205553008&api=v2
- Historically, PACIO has focused on screening/assessments and not on other workflow areas also covered by Gravity (diagnosis, goal setting, and interventions).
- Foundational domain grounding:
 - Gravity used the NASEM 2014 document titled "Capturing Social and Behavioral Domains in the EHR" to help identify content domains.



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- PACIO could consider use of the “International Classification of Functioning, Disability and Health” (ICF) framework to identify content domains within the post-acute care ecosystem (and beyond).
 - ICF looks at how a health condition (disorder/disease) and environmental and personal factors impact a person’s body functions/structures, activities, and participation.
 - Further information about ICF is available at:
<https://www.who.int/standards/classifications/international-classification-of-functioning-disability-and-health>
- Description of “Functioning” applies across all ages and settings– from infants to elderly, from those in intensive care units to elite athletes at a competition.
 - Consider the need to share descriptions of functioning not just in traditional post-acute care settings or tied to specific regulatory required assessments requiring certain data elements.
- Gravity and FHIR US Core use “Category Codes” to group concepts and brings in value sets when appropriate for more specific domains (e.g., the 14+ SDOH domains).
 - This could be done for functional domains – aligning with US Core FHIR profiles for Observation, Condition, Goal, Service Request and Procedure.
- Possible future “Functioning Value Sets” for “Functioning Categories” could include:
 - Functioning Category Unspecified
 - Learning and Applied Knowledge
 - General Task and Demands
 - Communication
 - Mobility
 - Self-Care
 - Domestic Life
 - Interpersonal interactions and Relationships
 - Major Life Areas
 - Community, Social, and Civic Life
- Discussion among PACIO Community
 - PACIO leadership clarified in a possible future state, instead of having three different implementation guides (Cognitive Status, Functional Status, and SPLASCH), PACIO could create a single IG that refers to value sets preferred for use in each content domain (differences exist in the domain specific value sets and not in the IG structure itself).
 - Downside: must be done on an honor system during implementation, no computable validation can occur with this method.
 - Upside: clear guidance can be provided in the IG without requiring implementors to support potentially hundreds of profiles.
 - Potential to encourage exchange of the most recent data, beyond the last formal regulatory assessment.



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- Concept of “categories” can help identify specific content areas, even if there is not a “codeable concept” that aligns.
 - Many content areas do not have defined standardized/codeable concepts.
 - ICF may help to define categories of information (even if the information exchanged is non-structured or still in a “text blob”).
- Gravity is working to create a structure for Social Determinate of Health (SDOH) data exchange using higher level concepts, not specific wordings, or questions. The Gravity structure allows for very specific existing instruments/questionnaires/etc. to be grouped at appropriate and similar conceptual domain levels.
- The USCDI (used as the base standard for interoperable health information exchange) includes a proposed data class for “Functioning”.
 - Some USCDI comments request specific instruments as functioning data elements.
<https://www.healthit.gov/isa/uscdi-data-class/functioning#comment>
 - Some PACIO members believe that a framework should be created to guide the evolving USCDI data class of “functioning”. They feel the data elements created under this data class should be broad, and not specific or tied to discrete data collection instruments.
 - Concepts will endure the test of time better than specifics since practice changes over time. This is analogous to writing policies, which must be broad enough to apply across an ecosystem yet narrow enough to have appropriate differentiation.
- Considerations:
 - Possible future expansion (in subsequent years) to incorporate the larger workflows around functioning (e.g., include how diagnosis/conditions, goals, and interventions are handled).
 - Terminology and value set creation and maintenance will require ongoing resources.
 - CMS Data Element Library (DEL) should be leveraged.
<https://del.cms.gov/DELWeb/pubHome>
 - Investigation needed about HL7 processes for potential consolidation of previously published STU-1 IGs.
- Opportunity exists for the PACIO Community to lead in this national effort.
 - Collaboration with other groups like Gravity, the AHRQ Multiple Chronic Conditions (MCC) e-Care Plan, and others will be important.
- Next steps:
 - Further exploration and creation of a structural framework for “functioning” domains.
 - Identify functioning domains where “dynamic” value sets would be needed.



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- Devote specific PACIO meeting time (goal at least 45 minutes weekly) for PACIO members interested in developing this framework to contribute/discuss.
 - Several members expressed participation interest.
 - The group reached consensus to begin by extending the weekly PACIO meeting time back to 90 minutes and devote the second half to this topic each week. Those not interested may drop off the call early.

5) Walk on Topics

- See “Discussion among PACIO Community” notes above.

6) Documentation of Decisions and Action Items

- December 29, 2021 PACIO meeting will be cancelled.
- The group reached consensus to continue investigations/discussion about creating a “Functioning” framework (possibly tied to ICF). This framework could inform creation of a standardized PACIO IG where different content domains are handled by value sets (e.g., analogous to Gravity Project model).

7) Adjourn