EHR WG Minutes 2022-06-14

HL7 Electronic Health Record Work Group Weekly Conference Call

Every Tuesday 1900 UTC; 1500 ET US; for 60 minutes

To join the HL7 EHR WG Meeting:

Zoom Conference Call Information  https://zoom.us/j/5860741097?pwd=K0l4Yzk5Yy9BcFc5SiZoOTIzb0dmdz0

Meeting ID: 586 074 1097

Phone Number: +1 (646) 558-8656 US (New York)  Find your local number: https://zoom.us/u/adRxukaOZl

Presiding Co-chair:  Gary Dickinson, FHL7
Scribe:  Mark G. Janczewski, MD, MPH

Attendance:

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<tr>
<th>Attended</th>
<th>HL7 Members</th>
<th>Confluence ID</th>
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Materials:

Minutes from EHR WG Weekly Teleconferences, located at:  EHR Weekly Teleconference Minutes

Agenda:

VOTING ITEMS

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<th>Item</th>
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<td>Approve Minutes from 2021-06-07</td>
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Tooling Update (EHR WG Co-Chairs)

1. **EHR-S Usability FP**
   a. The spreadsheet should now be ready to go with updated Functions name and Statements. Dave has passed this on to Michael van der Zel. Michael will be working on it this week to generate the publication (unless there are any exceptions that arise from Tooling)! See EHR-S Usability FP in Project Updates, below.

2. **Base EHR-S FM Model R2.1**
   a. Missing OV, CC#5. Michael MDZ has produced new publication files and will place in the BitBucket. Awaiting determination of next steps - produce errata version? Will need to consult with HL7 HQ.

3. **Podiatry FP**
   a. Michael vdZ to produce a new, replacement set of publication files as part of the Publication Package. See Podiatry FP in Project Updates, below.

4. **Problem-Oriented Health Record (POHR) FP**
   a. Will be ready for tooling once ballot comment reconciliation updates to the input spreadsheet are complete. Awaiting Lincoln Weed and feedback from 3 negative votes received. Two of the respondents has withdrawn the negative vote; the other (CDC/NIOSH) will look at our response next week. See POHR FP in Project Updates, below.

5. **FHIR Record Lifecycle Event Implementation Guide (RLE IG)**
   a. Michael vdZ will create the initial draft using FHIR IG Tool.

6. **EHR-S FM Release 3**
   a. No current tooling requirement. Michael MDZ has evaluated using FHIR IG Tool for publication. May require some additional Tool capabilities.
   b. Plan to consult with Dan Vreeman (HL7 CSDO, which assumes part of former HL7 CTO role) to inform and request continuing tool support for EHR WG FMs and FPs. Gary waiting response from Dan.

Project Updates (EHR WG Co-Chairs)

   a. ISO 13606 is a 5 Part Standard focused on "EHR Communication". ISO 13940 (CONTSYS) specifies a "System of Concepts to Support Continuity of Care".
   b. Several weeks ago - approved new JIRA PSS for this project - replacing Clonfluence PSS which got lost in the approval - never received TSC approval.
   c. Project is underway. Three Project Teams meet regularly to develop bidirectional crosswalk. Project Teams are mostly comprised of ISO and CEN folks - one for 13606-1 to/from FHIR, one for 13606-3 to/from FHIR one for 13940 to/from FHIR. Soliciting additional FHIR experts to join and review content.
   d. Crosswalk is to/from FHIR R4.0.1
   e. Gary has discussed with Melva and has expanded the title for ISO 13606 and ISO 13490 per above in 1.a. and sent back to Melva. Awaiting TSC review and approval.

2. **EHR System Usability Functional Profile (UFP) (John Ritter, David Schlossman MD, Project Leads)**
   a. UFP has been balloted 2x and reconciled 2x. Currently in preparation for publication.
   b. John and David have worked through remaining CCs. The spreadsheet has been completed and has been sent to MvdZ and is ready for import into the Tool.
   c. Draft UFP Overview is ready for publication.
   d. Revised functions table has been circulated and updated.
   e. The draft has now been cleaned up and is ready for review and publication.

3. **ISO Adoption of EHR-S FM R2.1 and PHR-S FM R.2 (Gary Dickinson, Project Lead)**
   a. Both EHR-S FM R2.1 and PHR-S FM R.2 have been approved and published by HL7. At present, ISO versions are previous releases: EHR-S FM R2 (ISO/HL7 10781) and PHR-S FM R1 (ISO/HL7 16527).
   b. Rachel Hawthorne (ISO Secretariat) is working with Gary and Lynn Laakso (HL7 HQ) to advance current Releases to ISO.
   c. Once we have resolved issues of formatting and editing of Figures and Diagrams, Rachel will commence a Fast Track ballot of both FMs. ISO National Member Bodies will vote and potentially offer comments. Since this is a Fast Track ballot, comments will be considered but do not require formal reconciliation, corrections excepted.
   d. In the Overview of PHR-S FM R2, John has updated the numbering of Figures 3 and 4. There is one more diagram that needs to be updated (it uses "Direct Care" (old nomenclature) instead of "Care Provision"). It is not an editable figure. Gary suggested building a new one using the "care provision". We have a plan to notify ISO and TSC approval.
   e. Michael vdZ will create the initial draft using FHIR IG Tool.
   f. Feedback from 3 negative votes received. One of the respondents has withdrawn the negative vote; the other is waiting response from Dan.

4. **Podiatry FP (Michael Brody DPM, Project Lead)**
   a. Reconciliation of the 2021 SEP Ballot is complete.
   b. Dr. Brody will talk with Lynn Laakso and Dave Hamill on next steps.
   c. Michael Brody announced resumption of Friday Podiatry calls - 12 Noon ET.
   d. Podiatry will meet during Sep 2022 face-to-face WGM in Baltimore
   e. Dr. Brody has secured private funding to write up a new Podiatry FP to make it consistent with POHR and has invited Lincoln Weed to the P2F Tuesday Q3 Session at the HL7 WGM in September.

5. **Dental Health FP (Greg Zeller, DDS, Project Lead)**
   a. Current Dental FP is based on EHR-S FM R2.01 (errata release).
   b. There was discussion on advancing HL7 Dental CCDA IG and FHIR IG for ISO Fast Track approval at last week's ISO TC215 WG2 session in Arlington, VA.
   c. A Dental Committee on Dental reviewed marked-up versions of the ADA 1067 Standards, based on EHR-S FM R1.1 - and reaffirmed until 2023.
   d. ADA Plenary (23 Feb 2022) affirmed New Work Item for New Standard ADA 1108 - Implementation Guide for HL7 ADA Dental Health Functional Profile
e. Greg asked about ISO TC215 WG2 developing a data exchange standard for dental research; much like the HL7 CCDA IG for dental records in general. Greg notes the Provider Information Exchange (PIE) WG did develop CCDA and FHIR IGs (ANSI 1084) for exchange of dental record data. Greg wonders if they should develop a separate ISO standard. There is an HL7-developed Dental FHIR IG and a Dental CDA IG; then there's a SNOMED and SNODENT lexicon from IHTSDO. Greg to further investigate and get back to the WG as this progresses.

f. Next major ADA Standards Committee meeting is F2F in October 2022.

g. Dental FP team to meet at HL7 WGM in September Wednesday Q3.

h. The idea has been to take HL7 CCDA and FHIR IG and getting them fast tracked with ISO. There are two problems with this: Rachel Hawthorne noted that ISO isn’t ready to do the Fast-Track process; ISO WG2 did not like that the Dental FP was US Realm and wanted to reference ADA/ANSI 1084 (Core Reference data). Thus Dental FP will not be fast tracked.

i. As an aside, Rachel noted that the FT process is not completely in place yet and was awaiting work back from HL7.

j. At the ISO TC215 WG2 work meeting in January 2023 Sapporo, looking for exchange of Dental data internationally.

6. Reducing Clinician Burden Project (Gary Dickinson, David Schlossman MD, Co-Facilitators)

a. Medication List Management and Reconciliation Focus Team continues its work. Lead: Reed Gelzer MD. Meets every other Thursday at 2PM ET. Last meeting was 20 May 2022. Next meeting this Thursday, 16 June 2022. Will need a PSS once deliverables have been decided on. Members of the HL7 Pharmacy WG and NCPDP have now joined this Focus Team.

b. Work continues to develop a White Paper for ISO 4419 in collaboration with ISO TC215 WG1, focused on burden reduction. David Schlossman MD is Project Lead. The work item and corresponding resolution has been approved by ISO TC215 WG1. Initial materials include a 2-page Outline, 2-page Overview. The project will build on an existing DRAFT RCB White Paper. ISO National Member Bodies (35 member bodies participating plus over 30 more observing nations) have now responded to the initial inquiry and have designated six experts to work on this project. This is target as an ISO Technical Report (informative) with a corresponding HL7 White Paper.

c. Immediate previous session:

1. 13 June 2022 (two hour session):
   1. Update from Lorraine Doo (CMS Office of Burden Reduction and Health Informatics) - Talked about potential areas of collaboration.
   2. Continuation of earlier meeting's discussion on AI. Considering potential collaborative work with ISO (perhaps allow HL7 to have a “Liaison A” relationship with ISO; 2nd is a Collaboration Agreement). A few action items came from this including collaboration agreements, various examples (e.g. patient, action, provenance) for Al’s. It was mentioned that ISO 13119 should also have some relevance regarding metadata.

d. Upcoming sessions:

i. 27 June 2022: International Patient Summary - Now and Future. Rob Hausam MD
   ii. 11 July 2022: Safety and Legal Aspects of EHRs - Barry Newman MD; possibly to include further discussion of SAFER Guidelines
   iii. 25 July 2022: Burden Reduction and Medical Devices - Todd Cooper
   iv. August meetings TBD.

v. 19 Sep 2022 (Monday Q3 and Q4) at HL7 WGM in Baltimore: RCP Project updates plus “Galileo Project” by Ed Hammond

7. Problem-Oriented Health Record (POHR) Project (#1831) (Lincoln Weed, Charles Burger MD, Ryan Mullins MD, Project Leads)

a. Ballot reconciliation complete; updating JIRA tickets with reconciliation results. Epic and AMA negative votes have been addressed and resolved. CDC/NIOSH is pending.

b. Once all issues have been fully adjudicated and put into JIRA we should be ready for EHR WG to vote. Still need to determine whether to put the entire POHR ballot dispositions to a block vote or put all of the non-negative issues into one block, and “carve” out those that are negative and vote on those in a separate block.

c. Melva Peters (HL7 HQ) recommended EHR WG have a block vote to finally approve all of the reconciliation and ballot votes.

d. POHR alternates with RCB in the Monday 1500 ET time slot.

e. Met on 6 June 2022 May 2022 for 3rd session to review POHR/PLM Use Cases and mapping to the FHIR “Condition” and other resources. Lincoln presented an actual Use Case downloaded from AHRQ regarding a young female in with long-standing abdominal pain. There was considerable discussion about the challenge of developing and implementing having POHR-based records, particularly from the business case perspective for developers.

f. Next meeting Monday 20 June 2022 and will focus on Care Plans.

8. Pediatric Care Health IT Functional Profile (PCHITFP) (Pele Yu MD, Project Lead)

a. Has now been published!

b. Drummond Group has engaged three different EHR vendors with Pediatric modules in doing demonstration projects with the aim toward certification.

c. To help get this FP implemented, Dr. Yu is looking to get a “client validation model” and an example of implementation with one of the largest EHR vendors. This will help starting to show where and how FM/FP standards are being implemented on different platforms.

9. FHIR Record Lifecycle Event Implementation Guide (RLE IG) (Gary Dickinson, Project Lead)

a. Roughly 90% of IG content is ready to input into the FHIR IG tool. Another 10% needs review/correction/update. Current target is FHIR R4.0.1. Requested to be made independent IG by FHIR Infrastructure Group, instead of its current placement in FHIR Core. Provenance and recordEvent are the two FHIR resource profiles need to be reviewed and updated. Gary working with MvdZ on this.

b. JIRA-based PSS has passed the 30-day WG review, now awaiting TSC approval.

c. Michael vdZ has set up the first draft using FHIR IG Tool. See: https://build.fhir.org/ig/HL7/ehrs-rle-ig/

d. Likely to be balloted in JAN 2023 cycle.


a. SHIFT: Gora and John meeting regularly. They have developed a one page “flyer”. They are now working on a 5-page Executive Summary using the ISO "Parthenon" Framework for images and hope to complete that soon.

b. The SHIFT White Paper will be about 80 pages.

c. With respect to SHIFT, John asked the WG last week to think about the creation of a "School Functional Profile" or profiles that could include SDOH or other areas.

EHR-S FM R3 (EHR WG Co-Chairs)

1. During the May 2022 Virtual HL7 WGM there was a session devoted to EHR-S FM R3. Please see the following link for minutes to that session, that describes the EHR WGs thoughts on moving forward in developing the new Release 3 of the EHR-S FM standard. https://confluence.hl7.org
EHR WG Event and Parking Lot Discussions (NOTE: Unless otherwise specified all conference calls use the same Zoom meeting link as listed at the top of this document) - **Deferred**

1. **EHR WG PBS (Project / Ballot Status) metrics**
   a. EHR WG is in "GREEN" status in the "T1 Jan-May" column showing 1 demerit. The "PBS Metrics Color" shows "RED". So it's unclear what this means. Need clarification from HL7 HQ.
   b. Note that there are three work items which have completed ballot and reconciliation but are not yet published: 1) EHR-S Usability FP, 2) Podiatry FP, 3) Pediatric HIT FP. This may constitute the reason for the "RED" metric.
   c. All other required items are "green" (up to date), noting that we do have some updates (specifically our governing documents) needed in 2022-23.

2. **Standard Patient Health Record Project**
   a. Patient Empowerment has developed a PSS ([https://jira.hl7.org/browse/PSS-2088](https://jira.hl7.org/browse/PSS-2088)). Since it is a "health record" proposal based on the PHR-S FM, the project should be sponsored by the EHR WG and co-sponsored by Patient Empowerment and others. We have long advocated end-to-end health data/record management to ensure trust, data integrity and fidelity. Storage (as described in this PSS) fits into that approach. We have maintained the Record Lifecycle Event Standards as part of the RI Sections of both the EHR and PHR System Functional Models, also included in the FHIR Record Lifecycle Event IG ([http://hl7.org/fhir/ehrsrle/ehrsrle.html](http://hl7.org/fhir/ehrsrle/ehrsrle.html)). The RLEs are also a key part of ISO 21089 "Trusted End-to-End Information Flows".
   b. The EHR WG last week reviewed the response that Gary and Lincoln drafted, and accepted and posted it to the JIRA page for PSS 2088.

3. **Inactive Projects** - All inactive and complete projects where we are primary sponsor have been addressed. However there remain several projects that appear to be inactive and where EHR WG is a co-sponsor. We are working with designated project leads and/or the sponsoring WG to get these items properly status(ed).

4. **Meetings – Unless otherwise specified these all use the GoToMeeting platform**
   a. Podiatry FP meets most Fridays at 1200 ET US - restarting this Friday, 22 April.
   b. Reducing Clinician Burden: Every other Monday (2nd and 4th) at 1500 ET US (alternating with the POHR meetings).
   c. Reducing Clinician Burden/Medication List Management and Reconciliation team meets most Thursdays at 1700 ET US (uses GoTo Meeting).
   d. Problem-Oriented Health Record Focus Team meets every other Monday at 1500 ET US (alternating with the RCB meetings) (uses GTM)
   i. Dental Functional Profile; currently on HOLD. Uses Zoom.

5. **Re-envisioning HL7 WGM EHR Mega Report-Out** - Discuss whether/how to conduct future EHR WG Mega Report-Out sessions at upcoming HL7 WGMs. We will defer Mega report out to F2F in January 2023.

**Adjourned at:** 4:02 PM ET

**Next meeting:** 2022-06-21

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