EHR WG Minutes 2022-05-31

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=K0l4Yzk5Yy9BcFc5SizOzTizb0dmdz0

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:  John Ritter, FHL7

Attendance

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<tr>
<th>Attended</th>
<th>HL7 Members</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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<td>Mark</td>
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Upcoming (September) HL7 WGM (Mark Janczewski)

1. At this time, it appears the upcoming HL7 WGM in Baltimore in Sept 2022 looks to be Face-to-Face. Will keep everyone apprised.
2. Calendar - Due on 25 May to HL7 HQ.
   a. This is a Plenary Meeting so Monday Q1 and Q2 are taken by HL7.
   b. EHR WG will move RCB to Monday Q3 and POHR to Monday Q4.
   c. Need to reach out to CDS (Brim Rhodes) and CQI (Floyd Eisenberg) and POHR about inviting them for Thursday, Q1.
   d. Adding tracks for Podiatry Tuesday Q3 and CDS/CQI/POHR on Thursday Q1
   e. Adding Dental to the Administrative Quarter
   f. John would like to highlight the MH CMHAFF and SHIFT session (Tuesday Q1)and add a 2nd session Q2. He would like to invite leaders in School Health and Education from the Washington, DC area such as Nat'l. Association of School Health Nurses (NASN). The group agreed with this and decided to move the EHR Tooling Update.
   g. Mark has updated the Calendar for the September WGM to reflect this and submitted to HL7 HQ on Friday, 27 May 2022.

New Business (John Ritter)

1. **Standard Patient Health Record Project**: Patient Empowerment has developed a PSS (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). The RLEs are also a key part of ISO 21089 “Trusted End-to-End Information Flows”. Gary reviewed the PSS and will write up a response from the EHR WG.

Tooling Update (EHR WG Co-Chairs)

1. **EHR-S Usability FP**
   a. Previously Michael VDZ did successful test run of 200 out of the approximately 600 CCs. Michael vdZ awaiting from John Ritter and David Schlossman MD to complete full CC list to produce the publication package. The spreadsheet should now be ready to go with updated Functions name and Statements. It should be ready for publication!
2. **Base EHR-S FM Model R2.1**
   a. Missing OV, CC#. Michael MDZ has produced new publication files and will place in the BitBucket. Awaiting determination of next steps - produce errata version?
3. **Podiatry FP**
   a. Michael vdZ will produce a new set of publication files, to correct section order. Then ready for publication.
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 2 ballot responders.
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 VDZ 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.

Project Updates (EHR WG Co-Chairs)

   a. ISO 13606 is 5 Part Standard focused on EHR Communication. ISO 13940 (CONSYS) specifies a System of Concepts for continuity of care.
   b. Several weeks ago - approved new JIRA PSS for this project - replacing Confluence PSS which got lost in the approval - never receiving 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. PSS in ready for TSC review.
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 is ready for import into the Tool. John to check with David to ensure that Michael gets the spreadsheet this week.
   c. Draft UFP Overview is ready for publication.
   d. Meeting each Friday at 5:30PM ET.
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 nomenclatures) instead of "Care Provision". It is not an editable figure. Gary suggested building a new one; John agreed and will work on that.

e. Michael vdZ has produced new publication files and will place in the BitBucket to include the missing OV#5.

f. Awaiting determination of next steps with HL7 HQ - produce errata versions of both FMs?

4. Podiatry FP (Michael Brody DPM, Project Lead)

a. Reconciliation of the 2021 SEP Ballot is complete. Michael Brody is preparing to post reconciliation results on the Ballot Desktop - also requesting negative votes be withdrawn.

b. Dr. Brody talked with Lynn Laakso and Dave Hamill on next steps. **We will need to have an EHR WG vote (next week) for approval to go forward.**

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 F2F Tuesday Q3 Session at the HL7 WGM in September.**

5. Dental Health FP (Greg Zeller, DDS, Project Lead) - No update.

a. Current Dental FP is based on EHR-S FM R2.01 (errata release).

b. There will be discussion on advancing HL7 Dental CCDA IG and FHIR IG for ISO Fast Track approval at the upcoming ISO TC215 WG2 session, occurring 7-9 June in Arlington, VA.

c. ADA Standards 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.

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 Geizer MD. Meets every other Thursday at 5PM ET. Last meeting was 20 May 2022. Will need a PSS once deliverables have been decided on. Members of the HL7 Pharmacy WG and NCDS have now joined this Focus Team.

b. Work continues to develop a White Paper 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 targeted as an ISO Technical Report (informative) with a corresponding HL7 White Paper.

c. Immediate previous session:
   i. 23 May 2022: Artificial Intelligence and Machine Learning Discussion: What could/should be the role of HL7 and other SDOs? **We should drop ML from AI, as it limits the scope; AI is comprised of much more.**

d. Upcoming sessions:
   i. 13 June 2022: Two hour session:
      1. Update from Lorraine Doo (CMS Office of Burden Reduction and Health Informatics)
      2. Continuation of previous meeting's discussion on AI.
   ii. 27 June 2022: **International Patient Summary - Now and Future**, Rob Hausman MD
   iii. 11 July 2022: **Safety and Legal Aspects of EHRs - Barry Newman MD**; possibly to include further discussion of SAFER Guidelines
   iv. 25 July 2022: **Burden Reduction and Medical Devices** - Todd Cooper
   v. 19 Sep 2022 (Monday Q3 and Q4) at HL7 WGM in Baltimore: Updates, plus Galileo Project - 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, AMA and NIOSH negative votes have been addressed. Sogn to be ready for EHR WG approval of reconciliation results. Lincoln engaged in discussion. Melva Peters (HL7 HQ) recommended EHR WG have a block vote to finally approve all of the reconciliation and ballot votes.

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

c. Met on 16 May 2022 for 2nd session to review POHR/PLM Use Cases and mapping to the FHIR "Condition" and other resources. Using the Immunization FP Use Cases as a starting point for these.

d. Next meeting is 6 June 2022.

e. **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 are being implemented on different platforms.

f. **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 AuditEvent are the two FHIR resource profiles need to be reviewed and updated.**

b. WP-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/](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 "Part#" 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/download/attachments/90342055/D4Q3%20%28Thursday%29%20HL7%20WGM%20Minutes%20EHR-S%20FM%20R3%20Planning%202022-05.docx?version=2&modificationDate=1652457871394&api=v2](https://confluence.hl7.org/download/attachments/90342055/D4Q3%20%28Thursday%29%20HL7%20WGM%20Minutes%20EHR-S%20FM%20R3%20Planning%202022-05.docx?version=2&modificationDate=1652457871394&api=v2)

2. Dr. Pele Yu suggested that for the September 2022 WGM in Baltimore, our Wednesday Q4 session on EHR-S FM R3 starts looking to map or link specific WG standards with functions and CCs in the new EHR-S FM Release. Dr. Brody noted that one of our major goals is to reference HL7 documents (e.g. FHIR Resources) for data elements in the envisioned EHR-S FM R3.

**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. **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).

3. **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.

4. **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:** 4:00 PM ET

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

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