EHR WG Minutes 2022-02-22

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=K0l4Yzk5Yy9BcFc5SlZoOTIzb0dmdz09
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:  Pele Yu MD
Scribe:  Mark Janczewski MD MPH

Attendance

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

1. Minutes from EHR WG Weekly Teleconferences, located at: https://confluence.hl7.org/display/EHR/EHR+Weekly+Teleconference+Minutes

Agenda:

1. VOTING ITEMS
   a. Previous Meeting Minutes

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<td>Approve Minutes from 2021-02-15</td>
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2. Tooling Update (Michael van der Zel and FP leads).
   a. EHR-S Usability FP – See Project Updates below.
   b. Pediatric HIT FP – Function List complete, ready for Publication
   c. Podiatry FP - Function List complete, ready for Publication. See Project Updates below.
   d. Problem-Oriented Health Record (POHR) FP - Ballot reconciliation in progress. See Project Updates below.
   e. FHIR Record Lifecycle Event Implementation Guide (RLE IG) - Will be converted to independent FHIR IG, separate from FHIR Core
   f. EHR-S FM Release 3 – Will continue review and planning for R3

3. Project Updates
   a. EHR System Usability Functional Profile (John Ritter)
      i. No update. John was unable to stay on the call after the HSS discussion.
      ii. Balloted 2x, reconciled 2x. UFP spreadsheet being finalized. John has discovered the linkages to the CCs in EHR-S FM R.2, PHR-S FM R.2 and to other FPs. John is working with David Schlossman MD to finalize input spreadsheet. Then will be ready for tooling to create Function List for Publication. (Demerit on Work Group Health due to delay to publish.)
   b. EHR-S FM R2.1 and PHR-S FM R.2 (Gary Dickinson)
      i. Both EHR-S FM R.2.1 and PHR-S FM R.2 have been approved and published by HL7. Currently ISO versions are the previous versions: EHR-S FM R2, PHR-S FM R1.
      ii. ISO TC 215 Formal vote on Fast Track resolution is forthcoming (ISO National Member Bodies are voting to affirm Fast Track for both FMs). Formal Fast Track approval will then commence. Still awaiting full TC215 approval; being conducted via e-mail.
      iii. ISO designation for EHR-S FM R.2.1 is ISO 10781 designation; PHR-S FM R.2 is ISO 16527.
      iv. Outside groups are interested in the PHR-S FM R.2 (e.g., Health Record Banking Alliance (HRBA)).
   c. Podiatry FP (Michael Brody DPM, Reed Gelzer MD PhD)
      i. Reconciliation of the 2021SEP Ballot is complete.
      ii. Updated Podiatry Function List has been generated from the Tool. Thanks Michael Van Der Zel!
      iii. Dr. Brody will post the reconciliation results, wait for the negative votes to be withdrawn, and then submit the Publication package.
      iv. Dr. Brody looking to resume the Friday calls - to be announced.
      v. Podiatry will not meet next May 2022 WGM
   d. Dental FP (Greg Zeller, DDS)
      ii. Plenary on 23 February - plan is to review/approve NWI ADA 1108.
   e. Reducing Clinician Burden Project (Gary Dickinson)
      i. On 14 February 2022, John Windle MD of University of Nebraska presented AHRQ funded work to develop a Roadmap for a More Useful and Usable EHR system. He and his son (Tom Windle)
demonstrated the project’s prototype EHR system which incorporated aspects of an EHR with tethered PHR, problem list management and many other functions. Will work to make prototype available on-line, hopefully in the next few weeks. Will continue consultation on standards related opportunities from this work.

ii. Looking forward to future collaboration with Dr. Ed Hammond on the Galileo Accelerator project (done at Duke University).

iii. On 17 Jan 2022 there was a presentation on AI use in RCB from John Gachago (NIH) and Pat Baird (Philips); there will be a follow up session Monday 28 Feb 2022 with regard to the MedKnowts EHR effort at MIT (David Sontag) and Beth Israel Deaconess (Dr. Stephen Horng) Boston on EHR enhanced with AI.

iv. Medication List Management and Reconciliation Focus Team continues its work. Lead: Reed Gelzer MD. Meets most Thursdays at 1700 ET US. Next meeting is 3 Mar 2022. It is not yet an official HL7 project as list of deliverables has not yet been defined. Members of the HL7 Pharmacy WG have now joined this Focus Team.

v. Work continues to develop a white paper in collaboration with ISO TC215 WG1, focused on burden reduction. Outline is in place. The work item and corresponding resolution has been approved by ISO TC215 WG1. Will solicit input from ISO National Member Bodies (35 member bodies participating plus over 30 more observing nations) and build on RCB’s current draft white paper. Approved at ISO TC215 Plenary Session and published as ISO 4419. Dave Schlossman is leading RCB for TC215 WG1 this effort. Artifacts include a 2-page Outline and 2-page overview. This is an informative Technical Report.

f. Problem-Oriented Health Record (POHR) Project (#1831) (Lincoln Weed)
   i. POHR Problem List Management FP balloting completed January 10th. Ballot reconciliation now underway; progressing well.
   ii. Met yesterday on 21 Feb 2022 to continue ballot reconciliation; work is close to being complete. Need to send feedback to authors who provided ballot comments that needed to be addressed.
   iii. POHR alternates with RCB in the Monday 3PM ET time slot.
   iv. Next step is mapping to FHIR resources starting after end of March 2022. One of the items is to take the existing FHIR "Condition" resource and show how that maps to the POHR FP CCs. See examples provided by MvdZ https://vdzel.home.xs4all.nl/potf/

g. Pediatric Care Health IT Functional Profile (PCHITFP) (Dr. Pele Yu)
   i. Reconciliation package and updated PCHITFP Function List were approved last week.
   ii. Request for Publication will be forthcoming.

h. FHIR Record Lifecycle Event Implementation Guide (RLE IG) (Gary Dickinson) - Will be converted to independent FHIR IG, separate from FHIR Core, as requested by FHIR Infrastructure Group. There is now a tool to allow developing a new independent IG. There are 27 Record Life-Cycle Events. Provenance and Auditing are the two major RLE events that make up the bulk of this content.

i. Mobile Health Work Group’s SHIFT (School Health Innovation Framework leveraging Technology) Project (John Ritter)
   i. No update today.
   ii. SHIFT Project will continue after the EHR-S Usability FP is finished.
   iii. SHIFT Project: Gora Datta and Matt Graham (from the Mobile Health Work Group) continue to meet from 11 pm to 12 midnight ET most Mondays to flesh out more of the Executive Summary and other document updates.

4. EHR-S FM R3
   a. The EHR WG intends to invest time brainstorming structure and content of the next release of the EHR-S FM (i.e., Release 3) during its weekly conference calls.
   b. During last week’s HL7 WGM the EHR WG had a session devoted entirely to EHR-S FM R3. Approximately 8 people attended and Gary provided a history of the FM as well as noting development of FPs and nations versions.
   c. Need to examine interchange with other HL7 standards.
      i. Data requirements. May need map to FHIR Resources? Terminologies?
      ii. May want to map to some workflows (if there are some standards)
   d. At this point we need to develop a plan for going forward:
      i. Goal - What final product do we want to have?
      ii. Mission - Evolve current EHR-S FM R2 to be integrated with other published HL7 standards (e.g. FHIR)
      iii. Scope
      iv. Major tasks
      v. Timeline
   e. Michael VdZ would continue mapping to FHIR. The list management section mapping is underway. Try to expand CP1.4 to get a more complete mapping.

5. 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.)
a. **EHR WG PBS (Project / Ballot Status) metrics**
   i. EHR WG is in “Yellow” status, but it is not clear why based on the spreadsheet from HL7 HQ. Awaiting update before WGM.
   ii. As noted previously, PHR-S FM R2 is awaiting ANSI approval for final publication. The EHR-S Usability FP should be ready soon for publication. Finalizing these two items will satisfy a longstanding deficit in EHR WG PBS metrics.
   iii. All other required items are “green” (up to date), noting that we do have some updates (specifically our governing documents) needed in 2022.

b. **Inactive Projects**
   i. All inactive and complete projects where we are primary sponsor have been addressed. However, there remain a number of 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).

c. **Collaboration with Human and Social Services WG** (John Ritter):
   i. **Tentative Incremental Activities**
      1. Referrals - Need to get a Referrals expert
      2. Case Management - Mark J. can talk a bit about this
      3. Child Health Information concurrent with Social Information - Pele
      4. Child Health and Welfare
      5. Connecting ERs with Child Protective Services
      6. Lack of Universal CDS
      7. Challenges of Handoff from one Provider to Another
      8. Double entry/double duty challenges
      9. Working with EMI and Gravity Project
      10. Capture and project SDOH content into the Health Record
   ii. **List of EHR WG artifacts, projects, and plans that may be of particular interest to the HSS WG**
      1. Functional Models
         a. EHR System Functional Model R2.1
         b. PHR System Functional Model R2
      2. Functional Profiles
         a. Pediatric HIT Functional Profile - Pele
         b. Problem Oriented Health Record Functional Profile
         c. Immunization Functional Profile
      3. Special projects
         a. SHIFT - School Health Innovation Framework leveraging Technology
      4. National and International stuff
      5. MAY2022 HL7 WGM EHR-HSS WG Joint Meeting
         a. List of proposed HSS WG activities that may be of particular interest to the EHR WG

d. **Meetings** – Unless otherwise specified these all use the GoToMeeting platform
   i. Podiatry FP meets most Fridays at 1200 ET US - will restart after Publication is finalized.
   ii. Reducing Clinician Burden: Every other Monday (1st and 3rd) at 1500 ET US (alternating with the POHR meetings). Next meeting is 28 Feb 2022.
   iii. Reducing Clinician Burden/Medication List Management and Reconciliation team meets most Thursdays at 1700 ET US (uses GoTo Meeting). Next meeting is 17 Feb 2022.
   iv. Problem-Oriented Health Record Focus Team meets every other Monday at 1500 ET US (alternating with the RCB meetings) (uses GTM)
   v. Dental Functional Profile; currently on HOLD until after Feb 2022 virtual Chicago meeting. Uses Zoom.

e. **Re-envisioning HL7 WGM EHR Mega Report-Out**
   i. Discuss whether/how to conduct future EHR WG Mega Report-Out sessions at upcoming HL7 WGMs. We will defer Mega report out to next F2F - Baltimore, Sep 2022.

Adjourned at: 3:48 PM ET

**Next meeting:** **2022-03-01**

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