## EHR WG Minutes 2022-04-26

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**

Meeting ID: 586 074 1097

Phone Number: +1 (646) 558-8656 US (New York) 

Find your local number: [https://zoom.us/u/adRxukaOZl](https://zoom.us/u/adRxukaOZl)

### Attendance

<table>
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<tr>
<th>Attended</th>
<th>HL7 Members</th>
<th>Confluence ID</th>
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<tbody>
<tr>
<td>X</td>
<td>Gary Dickinson, FHL7</td>
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<td>Mustafa Sohail</td>
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<td>Lori Wong</td>
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<td>Scott Robertson</td>
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Materials:

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

Agenda:

1. **VOTING ITEMS**

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<th>Item</th>
<th>1st</th>
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<th>Positive Votes</th>
<th>Negative Votes</th>
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<td>Approve Minutes from 2021-04-19</td>
<td>Michael Brody</td>
<td>John Ritter</td>
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<td>Discuss/Vote for adding a 7th EHR WG Co-Chair</td>
<td>Michael Brody</td>
<td>John Ritter</td>
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<td>Discuss/Vote for Michael van der Zelv to be Interim EHR EWG Co-Chair through DEC2022</td>
<td>Michael Brody</td>
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2. **Tooling Update** (Michael van der Zel and EHR WG Co-Chairs)
   a. **EHR-S Usability FP** – No updates. Michael VDZ was able to complete test run with 200 (out of approximately 600) CCs using the tool. The tool will be used to produce the function list for the publication package once all 600 CCs have been reviewed and updated.
   b. **Pediatric HIT FP** – No tooling updates. Informative standard. Function List complete, ready for Publication. Michael VDZ found some discrepancies in the base Model (EHR-S FM R2.1), which he has addressed. Awaiting final PHITFP Function List creation via the tool.
   d. **Problem-Oriented Health Record (POHR) FP** - No tooling updates. Ballot reconciliation complete; updating JIRA tickets with reconciliation results. Once corresponding updates to the input spreadsheet are complete, the tool will be used for publication.
   e. **FHIR Record Lifecycle Event Implementation Guide (RLE IG)** - Will use FHIR IG tool to publish ballot package. See Project Updates below.
   f. **EHR-S FM Release 3** – No tooling updates. Will continue review and planning for R3 as per Section 4 below. MvdZ has developed an EHR FM R.3 tool prototype using FHIR IG tool. May need some changes to accommodate R3 constructs. Will include in our upcoming conversation with Dan Vreeman (HL7 CSDO, which replaces part of former HL7 CTO role) to inform and request continuing tool support for EHR WG FMs and FPs.

3. **Project Updates**
      i. ISO 13606 is 5 Part Standard focused on EHR Communication. ISO 13940 (CONTSYS) specifies a System of Concepts for health/healthcare information.
      ii. Approved new JIRA PSS for this project (as noted above in Voting Items) - replacing Confluence PSS which never received TSC approval.
      iii. Project is underway. Three Project Teams are meeting regularly (one for 13606-1 to/from FHIR, one for 13606-3 to/from FHIR one for 13940 to/from FHIR) to develop bidirectional crosswalk. Project Teams are mostly comprised of ISO and CEN folks. Soliciting additional FHIR experts to join and review content.
      iv. Crosswalk is to/from FHIR R4.0.1
      v. Ann Wizaur (HL7) is advising us on the PSS approval process (and its various operational steps).
b. **EHR System Usability Functional Profile (UFP)** (John Ritter, David Schlossman MD, Project Leads)
   i. UFP has been balloted 2x and reconciled 2x. Currently in preparation for publication.
   ii. Michael VDZ has received “test” file of 200 UFP CCs (out of 600). Test run was successful.
   iii. David is working through remaining CCs. Once all 600 CCs are properly placed, then we will use the tool for Publication of the UFP Function List.
   iv. John and David have begun review/update of the UFP Overview in preparation for publication.

c. **ISO Adoption of 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 releases: EHR-S FM R2 (ISO/HL7 10781) and PHR-S FM R1 (ISO/HL7 16527).
   ii. We may to publish the Errata version of EHR-S FM R.2.1 based on some recent Michael VDZ findings. Still investigating these issues.
   iii. Rachel Hawthorne (ISO Secretariat) is working with Gary and Lynn Laasko (HL7 HQ) to advance these Standards to ISO.
   iv. 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.
   v. Figures 3 and 4 are missing (in the ISO document). We may need to make an Errata update (on the HL7 document) and then offer the updated document to ISO. (John Ritter will investigate.)

d. **Podiatry FP** (Michael Brody DPM)
   i. Reconciliation of the 2021 SEP Ballot is complete.
   ii. Updated Podiatry Function List has been generated from the Tool. Thanks to Michael Van Der Zel!
   iii. Dr. Brody will post the reconciliation results, negatives will be requested formally withdrawn by the balloter(s). Will then submit the package for publication.
   iv. Dr. Brody resuming the Friday calls on 22 Apr 2022, 12 Noon ET.
   v. Podiatry will not meet during the May 2022 Virtual WGM; but does plan to meet at Sep 2022 face-to-face WGM.

e. **Dental FP** (Greg Zeller DDS)
   i. Current Dental FP is based on EHR-S FM R2.01 (errata release).
   ii. Considering whether to advance HL7 Dental CCDIA IG and FHIR IG for ISO Fast Track approval. Decision will be made at upcoming ISO TC215 WG2 session, occurring 7-9 June in Arlington, VA.
   iv. ADA Plenary on 23 February - approved NWI ADA 1108.
   v. Greg asked about ISO TC215 WG2 developing a data exchange standard for dental research, much like the HL7 CCDIA IG for dental records in general. Greg notes the Provider Information Exchange (PIE) WG did develop CCDIA and FHIR IGs (ANSI 1084) for exchange of dental record data. Greg wonders is they should develop a separate ISO standard. There is 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.
   vi. Next major ADA Standards Committee meeting is F2F in October 2022.

f. **Reducing Clinician Burden Project** (Gary Dickinson)
   i. Presentation with Dr. Barry Newman on legal specs of RCB on 11 Apr was cancelled due to bad weather. Will be rescheduled.
   ii. The 25 Apr 2022 RCB meeting focused on "SAFER" (patient Safety, etc.) guidelines.
   iii. Medication List Management and Reconciliation Focus Team continues its work. Lead: Reed Gelzer MD. Meets every other Thursday at 5PM ET. Next meeting is 5 May 2022. It is not yet an official HL7 project as list of deliverables has not yet been defined. Members of the HL7 Pharmacy WG and NCPDP have now joined this Focus Team.
   iv. 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 target as an ISO Technical Report (informative) with a corresponding HL7 White Paper.
There is planned an upcoming session on International Patient Summary (IPS) 27 Jun 2022, presented by Rob Hausam MD. Another session is planned with ONC and Office of the US Surgeon General reporting on their joint burden reduction efforts.

On 9 May 2022 - during the Virtual HL7 WGM - we will devote the 2nd RCB hour (starting at 3PM ET) with a presentation from John Halamka MD, President of the Mayo Clinic Foundation. This will include his perspective on burden reduction and a new AI Collaborative effort, including Mayo, ONC and others.

Interesting concept about development and adoption of standardized AI Logic Models vetted by US government and/or academia/industry. One question would be where does ISO, and HL7, “play” in this place? Will build on our discussion with Dr. John Halamka after May WGM.

Problem-Oriented Health Record (POHR) Project (#1831) (Lincoln Weed, Charles Burger MD, Ryan Mullins MD)
- Ballot reconciliation complete; updating JIRA tickets with reconciliation results. Several EPIC and 2 AMA and 1 NIOSH negative votes to be addressed. Several comments from VA also should be discussed. Should be set to go for EHR WG voting approval of reconciliation results.
- POHR alternates with RCB in the Monday 1500 ET time slot. Next meeting 2 May 2022 to decide on publishing new POHR FP in its current state.
- POHR alternates with RCB in the Monday 1500 ET time slot. Next meeting 2 May 2022.

Pediatric Care Health IT Functional Profile (PCHITFP) (Dr. Pele Yu)
- No report/update today.
- Request for Publication is forthcoming. Michael van der Zel working on compiling the FP into the EA tool. Some inconsistencies in the base model that MvdZ found have been resolved. See Item 2.

FHIR Record Lifecycle Event Implementation Guide (RLE IG) (Gary Dickinson)
- 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 only FHIR resources in play. A new JIRA PSS has been developed for this item and after EHR WG approval has been advanced through the approval process.
- Gary will check on current status.

Mobile Health Work Group’s SHIFT (School Health Innovation Framework leveraging Technology) Project (John Ritter)
- No progress reported this week.
- SHIFT: Will continue after the EHR-S Usability FP is finished.
- SHIFT: Gora and John meeting Tuesday evening 19 April. 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.
- The SHIFT White Paper will be about 80 pages.
- 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
- The EHR WG will take time to structure content of the next major release of EHR-S FM R3 during its weekly conference calls and Thursday Q3 during the HL7 Virtual WGM.
- During last 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.
- Need to examine interchange with other HL7 standards. We need to ensure that the EHR-S FM continues to be relevant!
  - Data requirements. May need map to FHIR Resources? Terminologies? One concern is in mapping FHIR resources, should it be done at the Function or CC level?
  - May want to map to some workflows (if there are some standards)
  - Consider discrepancies between USCDI and other standards.
  - Could EHR-S FM R.3 be an “integration” standard?
- At this point we need to develop a plan for going forward:
  - Goal - What final product do we want to have?
  - Mission - Evolve current EHR-S FM R2 to be integrated with other published HL7 standards (e.g. FHIR)
  - Scope
  - Major tasks
  - Timeline
a. Michael VdZ would prefer to continue mapping to FHIR. Problem List Management section (CP.1.4) mapping is underway.

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. Daniel Vreeman (CSDO for HL7) and Dr. Viet Nguyen (CSIO for HL7) have been invited to one of our next WGM Quarters - perhaps Thursday, Q3 or Q4. Plan to discuss EHR WG projects and needs (e.g., tooling support).
   b. **EHR WG PBS (Project / Ballot Status) metrics**
      i. EHR WG is in "GREEN" status in the "T Jan-May" column showing 1 demerit. The "PBS Metrics Color" shows "RED". So it’s unclear what this means. Need clarification from HL7 HQ.
      ii. 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.
      iii. All other required items are “green” (up to date), noting that we do have some updates (specifically our governing documents) needed in 2022-23.

c. **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).

d. **Collaboration with Human and Social Services WG (John Ritter),**
   i. Preparing for Joint EHR/HSS WG session during HL7 Virtual WGM in May.
      1. List of proposed HSS WG activities that may be of particular interest to the EHR WG and vice-versa
   ii. **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
   iii. 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 - Provide feedback
   iv. **Meetings** – Unless otherwise specified these all use the GoToMeeting platform
      i. Podiatry FP meets most Fridays at 1200 ET US - restarting this Friday, 22 April.
      ii. Reducing Clinician Burden: Every other Monday (2nd and 4th) at 1500 ET US (alternating with the POHR meetings).
      iii. Reducing Clinician Burden/Medication List Management and Reconciliation team meets most Thursdays at 1700 ET US (uses GoTo Meeting).
      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. Uses Zoom.
   f. **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: 3:30 PM ET (approximate)

**Next meeting:** 2022-05-03

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