EHR WG Minutes 2022-05-03

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=K0l4Yzk5Yy9BcFc5SiZoOTlzbdmdz09

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
Scribe:  Gary Dickinson

## Attendance

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<tr>
<th>Attended</th>
<th>HL7 Members</th>
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<tr>
<td>x</td>
<td>Gary Dickinson, FHL7</td>
<td>Gary Dickinson</td>
<td><a href="mailto:gdickinson@ehr-standards.com">gdickinson@ehr-standards.com</a></td>
<td>Co-Chair</td>
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<tr>
<td></td>
<td>John Ritter, FHL7</td>
<td>John Ritter</td>
<td><a href="mailto:johnritter1@verizon.net">johnritter1@verizon.net</a></td>
<td>Co-Chair</td>
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<td>Mark Janczewski, MD, MPH</td>
<td>Mark Janczewski</td>
<td><a href="mailto:mark.janczewski@gmail.com">mark.janczewski@gmail.com</a></td>
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<td>Michael Brody, DPM</td>
<td>Michael L. Brody</td>
<td><a href="mailto:Mbrody@cmeonline.com">Mbrody@cmeonline.com</a></td>
<td>Co-Chair</td>
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<td>Steve Hufnagel, PhD</td>
<td>Stephen Hufnagel</td>
<td><a href="mailto:Hufnagel@acm.org">Hufnagel@acm.org</a></td>
<td>Co-Chair</td>
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<td>Pele Yu, MD</td>
<td>Felciano Yu</td>
<td><a href="mailto:Pele.Yu@archildrens.org">Pele.Yu@archildrens.org</a></td>
<td>Co-Chair</td>
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<td>Greg Zeller, DDS</td>
<td>Gregory Zeller</td>
<td><a href="mailto:ggzeller@aol.com">ggzeller@aol.com</a></td>
<td>Amer. Dental. Assn; Lead, Dental FP Project</td>
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<td></td>
<td>Lincoln Weed, Esq.</td>
<td><a href="mailto:ldweed424@gmail.com">ldweed424@gmail.com</a></td>
<td></td>
<td>Co-Lead, POHR Project</td>
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<td>Chandrakant Bhosale</td>
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<td>Gora Datta</td>
<td><a href="mailto:gora@cal2cal.com">gora@cal2cal.com</a></td>
<td>Mobile Health WG</td>
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<td>Becky Gradl</td>
<td>Becky Gradl</td>
<td><a href="mailto:bgradl@eatright.org">bgradl@eatright.org</a></td>
<td>Nutrition Functional Profile</td>
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<td>Matthew Graham</td>
<td>Matthew Graham</td>
<td><a href="mailto:mgraham@mayo.edu">mgraham@mayo.edu</a></td>
<td>Mobile Health WG, Mayo Clinic</td>
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<td>x</td>
<td>Michael Van der Zel</td>
<td>Michael van der Zel</td>
<td><a href="mailto:m.van.der.zel@umcg.nl">m.van.der.zel@umcg.nl</a></td>
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<td>Reed Gelzer, M.D.</td>
<td>Reed D. Gelzer</td>
<td><a href="mailto:r.gelzer@myfairpoint.net">r.gelzer@myfairpoint.net</a></td>
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<td>Gheisha-ly Rosario Diaz</td>
<td><a href="mailto:rosg46@labcorp.com">rosg46@labcorp.com</a></td>
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## Materials:

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

## Agenda:

### VOTING ITEMS

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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 MDZ awaiting final CCs to produce the publication package. Awaiting John Ritter and David Schlossman MD to complete full CC list.

2. **Pediatric HIT FP**
   a. Michael VDZ found discrepancies in Section order used by the tool - AS and POP were reversed. This has been corrected and new publication files have been produced. Awaiting next publication steps - Pele Yu MD.

3. **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?

4. **Podiatry FP**
   a. Michael MDZ will produce a new set of publication files, to correct section order. Then ready for publication - Michael B.

5. **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 W.

   a. Michael VDZ will create the initial draft using FHIR IG Tool.

7. **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

   a. ISO 13606 is 5 Part Standard focused on EHR Communication. ISO 13940 (CONTSYS) 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 currently in 30-day WG review. Terminology, M&M and have expressed desire to be interested parties.
   f. Caution: Pushback from Dave Hammill that PSS shouldn't proceed as we have other work in "red" status. TSC will not approve the PSS until we get out of "red" status.

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. As noted above, Michael VDZ has received "test" file of 200 UFP CCs (out of 600). Test run was successful.
   c. John and David are working through remaining CCs. Once all 600 CCs are properly placed, then we will use the tool for preparation of the UFP Function List files.
   d. John and David have begun review/update of the UFP Overview in preparation for publication; meeting each Friday at 5:30PM ET.

3. **ISO Adoption of EHR-S FM R2.1 and PHR-S FM R2 (Gary Dickinson, Project Lead)**
   a. Both EHR-S FM R2.1 and PHR-S FM R2 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, PHR-S FM R2 Figures 3 and 4 are missing. Awaiting John Ritter's review and correction.

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. After ballot results are posted, publication package will be prepared and the Request for Publication completed - Michael Brody.
   c. Michael Brody announced resumption of Friday Podiatry calls - 12Noon ET.
   d. Podiatry will not meet during the May 2022 Virtual WGM; but does plan to meet during Sep 2022 face-to-face WGM in Baltimore

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 FHIG 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.

6. **Reducing Clinician Burden Project (Gary Dickinson, David Schlossman MD, Co-Facilitators)**
   a. The 25 Apr 2022 RCB meeting focused on “SAFER” (patient Safety, etc.) guidelines.
   b. Medication List Management and Reconciliation Focus Team continues its work. Lead: Reed Gelzer MD. Meets every other Thursday at 3PM ET. Next meeting is 5 May 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.
   c. 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.
   d. 25 April 2022 session focused on “SAFER” Guidelines. Presenters included Dean Sittig PhD, Patricia Sengstack DNP RN-BC, Hardeep Singh MD MPH
   e. Next session on Monday, 9 May 2022, will include presentations and discussions:
      i. 2-3PM ET: US Office of National Coordinator for Health IT (ONC) and US Office of Surgeon General, Thomas Mason MD and Colleagues
      ii. 3-4PM ET: John Halamka MD, President of the Mayo Clinic Platform, offering his perspectives on clinician burden, also the newly formed Coalition for Healthcare AI
   f. Upcoming sessions:
      i. 23 May 2022: Artificial Intelligence and Machine Learning Discussion: What could/should be the role of HL7 and other SDOs?
      ii. 13 June 2022: Project Updates - Medication Reconciliation, Problem Oriented Health Record, ISO TC215 WG1 Reducing Clinician Burden Collaboration to produce Joint White Paper. AI/ML Session follow up
      iii. 27 June 2022: International Patient Summary - Now and Future, Rob Hausam MD
      iv. 11 July 2022: Safety and Legal Aspects of EHRs - Barry Newman MD (invited); possibly to include further discussion of SAFER Guidelines
   g. 25 July 2022: Burden Reduction and Medical Devices - Todd Cooper

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. Soon - ready for EHR WG approval of reconciliation results.
   b. POHR alternates with RCB in the Monday 1500 ET time slot.
   c. MET on 2 May 2022 to review initial POHR/PLM Use Cases and mapping to the FHIR "Condition" and other resources.

8. **Pediatric Care Health IT Functional Profile (PCHITFP)** (Pele Yu MD, Project Lead)
   a. Request for Publication forthcoming.
   b. Michael VDZ has completed publication files (posted to BitBucket).
   c. Ballot reconciliation package posted?

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 AuditEvent are the only FHIR resources in play.
   b. JIRA-based PSS has been released for 30-day WG review, then TSC approval.
   c. Michael VDZ will develop first draft using FHIR IG Tool
   d. Likely to be balloted in JAN 2023 cycle.

10. **Mobile Health Work Group’s SHIFT (School Health Innovation Framework leveraging Technology) Project (John Ritter, Gora Datta, Project Leads)** - No update
    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.

11. **EHR-S FM R3**
    a. 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.
    b. During last HL7 WGM the EHR WG had a session devoted entirely to EHR-S FM R3. Approximately 8 people attended. Gary provided a summary using the ISO “Parthenon” Framework for images and hope to complete that soon.
    c. Need to examine interchange with other HL7 standards. We need to ensure that the EHR-S FM continues to be relevant!
       i. 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?
       ii. May want to map to some workflows (if there are some standards)
       iii. Consider discrepancies between USCDI and other standards.
       iv. Could EHR-S FM R.3 be an “integration” standard?
    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
       vi. Michael VdZ would prefer to continue mapping to FHIR. Problem List Management section (CP.1.4) mapping is underway.
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.)

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. Collaboration with Human and Social Services WG (John Ritter),
   a. Preparing for Joint EHR/HSS WG session during HL7 Virtual WGM in May. List of proposed HSS WG activities that may be of particular interest to the EHR WG and vice-versa include:
      i. Referrals - Need to get a Referrals expert
      ii. Case Management - Mark J. can talk a bit about this
      iii. Child Health Information concurrent with Social Information - Pele
      iv. Child Health and Welfare
      v. Connecting ERs with Child Protective Services
      vi. Lack of Universal CDS
      vii. Challenges of Handoff from one Provider to Another
      viii. Double entry/double duty challenges
      ix. Working with EMI and Gravity Project
      x. Capture and project SDOH content into the Health Record
   b. List of EHR WG artifacts, projects, and plans that may be of particular interest to the HSS WG
      i. Functional Models
         • EHR System Functional Model R2.1
         • PHR System Functional Model R2
      ii. Functional Profiles
         • Pediatric HIT Functional Profile - Pele
         • Problem Oriented Health Record Functional Profile
         • Immunization Functional Profile
      iii. Special projects
         • SHIFT - School Health Innovation Framework leveraging Technology - Provide feedback
      iv. National and International stuff

4. 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.

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 next F2F - Baltimore, Sep 2022.

Adjourned at: 12:45 PM ET

Next meeting: 2022-05-17 (week after HL7 WGM)

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