**2017-11-09 CIMI Minutes (Annotated Agenda)**

* **WIKI URL**: <http://wiki.hl7.org/index.php?title=Clinical_Information_Modeling_Initiative_Work_Group>
* **WIKI Curator**: Stephen.Hufnagel.HL7@gmail.com, Claude Nanjo
* **Wiki Objective:** maintain and communicate current information with CIMI members, partners and stakeholders.
* **CIMI Co-chairs:** Stan Huff, Linda Bird, Galen Mulrooney, Richard Esmond
* **HL7 List server:** CIMI@lists.HL7.org;
  + where, you must be subscribed to the CIMI@lists.hl7.org list server to use it.
* **CIMI Web Site:** <http://opencimi.org/>
* **CIMI BMM Browser:** <http://models.opencimi.org/cimi_doc/>
* **CIMI Archetype browser:** [http://models.opencimi.org](http://models.opencimi.org/)
  + <http://www.clinicalelement.com/cimi-browser/>
* **CEM browser:** <http://www.opencem.org/#/>
* **CIMI model repository:** <https://github.com/opencimi/>
* **CIMI reference model:** <https://github.com/opencimi/rm/tree/master/model/Release-3.0.5/>

The call today (Thursday US time, Friday Australia) will be at 20:00 UTC. Because of the change to daylight savings time in the US, the meeting will be at 4:00 pm EDT. We plan to always meet at 20:00 UTC going forward. The meeting duration continues to be 3 hours. You should also get an invitation to the call from the HL7 Call Scheduling Service.

***Primary items for this agenda:***

* Review of modeling proposals – Claude
  + Data types
  + Hierarchy review
  + Alignment of EvaluationResult and Assertion with FHIR
  + Fixes to the model based on persuasive model - Claude
* How do we move forward given the milestones and dependencies we have identified? Claude

***Let me know of any suggested changes to the agenda.*** Thanks, Stan

**Note: We are trying out a new conference call service!**

1. FreeConferenceCall  Dial-in Number: (712) 451-0528 - United States,   Access Code: 696599

   International Dial-in Numbers: [https://www.freeconferencecall.com/wall/cimi/#international](https://urldefense.proofpoint.com/v2/url?u=https-3A__www.freeconferencecall.com_wall_cimi_-23international&d=DwMFAg&c=II16XUCNF0uj2WHDMBdftpHZzyfqZU4E6o4J8m7Yfh-XF5deecOtjPXuMFvj1uWy&r=OnAE5XBEYAsGyyJG8dlmPs52ioZGWKimU4ntvC0PeG8&m=-9gd1x1UloUlYZVtH597wB_055PCXrSr-clpRtlZphU&s=rF3-1SSPdYvgidkiMK2k6XDIr-RBvREFlpWJgQ2rako&e=)

2.  Online Meeting Link: [https://join.freeconferencecall.com/cimi](https://urldefense.proofpoint.com/v2/url?u=https-3A__join.freeconferencecall.com_cimi&d=DwMFAg&c=II16XUCNF0uj2WHDMBdftpHZzyfqZU4E6o4J8m7Yfh-XF5deecOtjPXuMFvj1uWy&r=OnAE5XBEYAsGyyJG8dlmPs52ioZGWKimU4ntvC0PeG8&m=-9gd1x1UloUlYZVtH597wB_055PCXrSr-clpRtlZphU&s=WZJ3xKI4QKJNti5HzNSzN8nnVNcbCIuGGnmv4mf7ltM&e=)

   Online Meeting ID: cimi

Instructions:

Viewers can use a web browser. Presenters must install the app at [https://www.freeconferencecall.com/downloads](https://urldefense.proofpoint.com/v2/url?u=https-3A__www.freeconferencecall.com_downloads&d=DwMFAg&c=II16XUCNF0uj2WHDMBdftpHZzyfqZU4E6o4J8m7Yfh-XF5deecOtjPXuMFvj1uWy&r=OnAE5XBEYAsGyyJG8dlmPs52ioZGWKimU4ntvC0PeG8&m=-9gd1x1UloUlYZVtH597wB_055PCXrSr-clpRtlZphU&s=q2RiXgOB-zTrIOdsQ1TzctMHi5LH8yReGpGlaIJBC3U&e=)

At the scheduled date and time of the meeting, dial into the conference line. When prompted, enter the Access Code followed by the pound key.

To join the online meeting, click on the meeting link listed above and follow the prompts to join the meeting.

For 24/7 customer service please call 844-844-1322

**The proposed agenda is:**

* Record this call
* Agenda review
* NOTE: The last hour of each call is reserved for resolution of ballot comments until all comments have been resolved.
* Review and approval of minutes – any minutes pending?
  + [http://wiki.hl7.org/index.php?title=CIMI\_Minutes#CIMI\_Minutes](https://urldefense.proofpoint.com/v2/url?u=http-3A__wiki.hl7.org_index.php-3Ftitle-3DCIMI-5FMinutes-23CIMI-5FMinutes&d=DwMFAg&c=II16XUCNF0uj2WHDMBdftpHZzyfqZU4E6o4J8m7Yfh-XF5deecOtjPXuMFvj1uWy&r=OnAE5XBEYAsGyyJG8dlmPs52ioZGWKimU4ntvC0PeG8&m=wAm9pwowiyOElwaHBUDf9JvzwfDXSWxPfy07EJgThRU&s=OpYwUyjbKhOi8B9irllnqZOAz7JOdzxniJl32JG0Big&e=)
* Weekly CIMI call schedule
  + Are people available for the November 4 call?
* Update on meeting with Publishing workgroup re Publishing CIMI models on HL7 site – Lorraine
  + HL7 agrees to publish a website for CIMI like the one for FHIR
  + Next meeting about how to do it – Oct 31
  + Lorraine needs to understand rough size of content that needs to be accommodated
  + Next call EST at 2:00 EDT Tuesday Oct 31
* Review of modeling proposals – Claude
  + 1. Remove 'key' from ClinicalStatement. Motivation: no one can fully explain what goes in there. We can re-add in the future if needed and when we can fully state what goes there.
  + 2. Remove all attributions from ClinicalStatement. Motivation: they do not apply to all clinical statements (requests are signed, cosigned, tangented but probably not observations) and thus will be handled on a case-by-case basis in either Topic or Context. This allows a more appropriate attribute name given the type of ClinicalStatement. For instance, in an Assertion, authored is 'asserted', in an action it is performed.
  + 3. Add an 'asserted' attribute to the Assertion topic and make of type Attribution. 'assertedDate' goes away as the Attribution class handles that attribute.
  + For 2 above, ClinicalStatement will now only have:
    - identifier
    - subjectOfInformation
    - additionalText
    - recordStatus
    - encounter
    - topic
    - context
  + 4. We agreed there is no clean way to handle the onset and abatement choice types. I will send a separate email on options for such types.
  + 5. We agreed to not put Condition.stage in Assertion. It will be handled properly in the cancer-related assertion as proposed by Mark and Richard when the time comes.
  + 6. Stan opted to defer the Condition.evidence field in FHIR for a later discussion. It is used to represent manifestations/symptoms associated with the condition. Would you be willing to offer a proposal on how to handle this Stan?
  + 7. We agreed that Condition.category will be handled differently in CIMI. This is used to indicate that the condition is a Problem in a problem list or an Encounter Diagnosis. Stan felt that there is additional metadata when assigning an assertion to the problem list. Claude suggested a compositional approach whereby a problem list is a collection of problems which have metadata and a reference to an assertion, evaluation result, etc... but Claude does not really know what he is talking about so he defers to Stan.  Stan, do you want to venture a proposal here too?
  + The CIMI-to-FHIR comparison spreadsheet can be found here:
  + [https://docs.google.com/spreadsheets/d/1\_cxHGwNUMaAypMCz5wL-0VQXrdPuUBfwjhxZzz1TALM/edit#gid=0](https://urldefense.proofpoint.com/v2/url?u=https-3A__docs.google.com_spreadsheets_d_1-5FcxHGwNUMaAypMCz5wL-2D0VQXrdPuUBfwjhxZzz1TALM_edit-23gid-3D0&d=DwMFaQ&c=II16XUCNF0uj2WHDMBdftpHZzyfqZU4E6o4J8m7Yfh-XF5deecOtjPXuMFvj1uWy&r=OnAE5XBEYAsGyyJG8dlmPs52ioZGWKimU4ntvC0PeG8&m=RBrYDoXHX3sLcaZBoqyBScA7hS2AyVYzba76lvI0uzU&s=vUdmKF2JE05PrnOZOafKH1EGVwyMizy9MlfPZQf7JMw&e=)
* How do we move forward given the milestones and dependencies we have identified? Claude
  + BMM models only for January ballot
  + Make archetypes available as soon as possible – before January meeting
* Unique Identifiers for KNARTs – Lorraine
  + Option 1: Make concepts for the KNARTs in HSPCs partition of SOLOR
  + Option 2: Make OIDs for the KNARTs
  + Option 3: Digital Object Identifiers
  + From Stan: I have not had a chance to visit with Keith Campbell about this yet.
  + We will think about this and bring it back in a week or two.
* CKM collaboration with OpenEHR? – Steve Hufnagel, Stan Huff
  + From Stan: There is interest from openEHR to discuss this. I am still trying to arrange a call with Ian McNicholl
* EHRS FM - FHIM – CIMI BMM alignment tradeoffs; should FHIM follow SNOMED Observation Model to separate FINDING type and CONTEXT, which is counter-intuitive to clinicians? – Steve Hufnagel
  + Hold for when Galen is available
* **Detailed Plans for January ballot - All**
  + Skin and Wound Assessment
    - Project lead: Susan
    - Project completion date: 12/3
    - Project scope (please add participants and milestone dates)
      * finalize all BMM changes
      * confirm BMM change impact on skin & wound models
      * provide all value set identifiers and model bindings to Joey 11/3
      * implement all CIMI archetypes Joey 11/10
      * publish archetypes – Patrick 11/13 (before HSPC)
      * generate FHIR profiles (?) stretch goal
    - Review archetypes, model, and FHIR profile
    - Update style guide documentation – Joey, Susan, Jay, Patrick 12/3
    - Prepare ballot packaging of project - Richard
  + Vitals:
    - Project lead: Susan, Ning Zhou
    - Project completion date: 12/3
    - Project scope (please add participants and milestone dates)
      * only basic vitals currently represented in FHIR - HR, BP
      * finalize all BMM changes
      * confirm BMM change impact
      * provide all value set identifiers and model bindings - Joey
      * Review bindings with O&O – Susan, Stan, Lorraine
      * Finalize CEMs with terminology bindings - Ning
      * translate CEMs to CIMI archetypes - Joey
      * publish archetypes - Patrick
      * Review archetypes and models with O&O by 11/2 - Susan
      * build proposed FHIR profiles (with suggested changes) by 12/03 -
      * Enter the FHIR change request for changes to vital signs
      * Update style guide documentation – Joey, Susan, Jay, Patrick
      * Prepare ballot packaging of project – Richard 12/03
  + Common Labs:
    - Project lead: Nathan
    - Project completion date: 12/3
      * O&O would like to wait a cycle to ballot lab profiles
    - Project scope (please add participants and milestone dates)
      * existing set of labs developed for CIMI by Nathan and Patrick in particular quantitative and other labs such as coded lab values with existing value sets.
      * finalize all BMM changes (Done)
      * confirm BMM change impact on lab models (Done)
      * provide all value set identifiers and model bindings  (Done)
      * changes for all value sets for coded labs – Nathan (Stan check with Nathan)
      * regenerate all CIMI archetypes from CEMs including terminology bindings – Joey (a week after Nathan is done)
      * publish archetypes – Patrick (2 days after Joey is done)
      * Generate FHIR profiles
      * Create FHIR IG 10/14
    - Review archetypes, model, and FHIR profile
    - Update style guide documentation
    - Prepare ballot packaging of project including FHIR IG
      * O&O would like to wait a cycle to ballot lab profiles
  + Model:
    - Project lead: Claude
    - Project completion date: 11/3
    - Project scope (please add participants and milestone dates)
      * datatypes
      * core hierarchies
      * Only models relevant for vitals, skin, and labs
      * Maturity rankings
      * Address any comments that pertain to current content
    - Nice to have
      * Adverse Event/Adverse Reaction/Allergy/Intolerance - Richard Esmond
      * Review of Pharmacy models
      * Other ballot comments
    - Documentation:
      * Updates to architecture guide. Owner: Claude
      * Updates to style guide: Owner: Joey
      * Updates to CIMI DOC. Owner: Claude
  + Ballot Comments:
    - Project completion date: 12/3
    - Past comments. Owner: Richard?
    - September comments. Owner: Claude
    - Project scope:
      * Triaging of comments
      * Resolutions and votes
      * Allocation of comments to CIMI roadmap - Not all will be done by January
* Ballot reconciliation – **last hour of the meeting**
  + “Lost” comments from May ballot
    - Richard – lead to get the lost ballot content, Lorraine will help
  + Comments from aborted Sept ballot
* Brief updates on active projects (standing item)
  + Updates on initiatives from CIMI Tooling Meeting – Mark Kramer
  + VA KNART effort – Lorraine, Claude
  + Skin and wound assessments – Jay and Susan
  + Regeneration of lab models – Susan, Patrick, Joey, Stan, Galen, Richard
  + Conversion of CIMI archetypes to FHIR logical models to Profiles – Claude
  + FHIR resource profile from FHIR logical profiles –
    - Claude and Richard are collaborating using Travis from PenRad as additional resource
  + Creating ADL models from CEMs – Joey
  + LOKI – Patrick Langford
  + CIMI Website – Patrick Langford
  + FHIM – CIMI integration – Galen
  + Cancer Interoperability– Richard
  + Domain Specific Language (DSL) project – Mark Kramer
* Any other business