

HL7 Clinical Genomics Weekly Call - May 3, 2016

Attendees

1. Bob Milius - NMDP - bmilius@nmdp.org
2. Jonathan Holt - SeqTechDx - jholt@seqtechdx.com
3. Joseph Kane - Epic - jkane@epic.com
4. Siew Lam - Intermountain Healthcare - siew.lam@imail.org
5. Gaston Fiore - BCH - gaston.fiore@gmail.com
6. David Kreda - david.kreda@gmail.com
7. Amnon Shabo (Shvo) - Philips - amnon.shvo@gmail.com
8. Bob Wildin - NHGRI - bob.wildin@nih.gov
9. Kevin Power - Cerner - kpower@cerner.com
10. Joel Schneider - NMDP - jschneid@nmdp.org
11. Scott Bolte - Niss Consulting - Scott.Bolte@gmail.com
12. Joey Yang- HFUT - jiaoyun@hfut.edu.cn
13. Perry Mar - Partners HealthCare System - pmar@partners.org
14. Bret Heale - Intermountain Healthcare and UniversityUtah - bheale@gmail.com
15. Ravi K Madduri - University of Chicago - madduri@uchicago.edu
16. Bob Freimuth - Mayo Clinic - freimuth . robert at mayo . edu
17. Anwaruddin Mohammad - Oracle - anwaruddin.mohammad@oracle.com
18. Grant Wood
19. Eric Whitebay
20. Gil Alterovitz
21. Heming Yao
22. Joey Yang

Discussion

- Minutes approval
 - April 19 , 2016 - edited per recommendations from last week
 - http://wiki.hl7.org/index.php?title=File:HL7_CG_20160419.pdf
 - Motion to accept - Grant Wood
 - 2nd - Jonathan Holt
 - Discussion -
 - yea/nay/abstain = 9 / 0 / scott, bob w,
 - results - pass
 - April 26, 2016
 - http://wiki.hl7.org/index.php?title=File:HL7_CG_20160426.pdf
 - Motion to accept - Amnon Shabo
 - 2nd - David Kreda
 - Discussion - none
 - yea/nay/abstain = 10 / 0 / Scott, Grant,, Bob W
 - results - passes
- Brief updates
 - ClinGen/ClinVar -
 - Larry - not present; ClinGen currently having a day long meeting
 - GA4GH -

- Gil/Grant - call yesterday, John Madison from Kaiser exploring using block chain technologies (used by bitcoin) for distributed database to record cancer variation associating genetics with knowledge;
 - Amnon- highly encrypted
 - Scott - one of the features is excellent providence
 - Grant shared outline of paper for requirements for consent to share family history data. John Madison thought block chain tech could be a good technology to record consents.
 - Joel
 - <http://blockstrap.com/en/a-complete-beginners-guide-to-blockchain-technology/>
 - <http://www.cio.com/article/3052264/innovation/blockchain-is-not-bitcoin-why-unfamiliarity-is-slowing-healthcare-adoption.html>
 - <https://proofofexistence.com/>
 - Lam - consent can be withdrawn, needs to be careful how it's used
 - Perry - why not use providence model for a structured approach?
 - National Academies-
 - Grant/JD Nolen - nothing new, next call will be June 1st. Great to have Gil participate, working with BCH to develop FHIR implementations for Digitize. Next report probably in June.
 - FHIR -
 - Gill - great subgroup meeting last meeting, over 20 people. This week will talk about family history. Shared a draft document of an IG, mostly definitions, could be collaboration/coordination with DIM efforts. Connectathon (technical and clinician), check out the clinFHIR site. Will have virtual machine available for the tutorial, but might be available for connectathon.
 - other -
 - Grant - HL7 hosted Partners in Interoperability meeting. Mostly for people who are not current HL7 members but want to know about FHIR. Tremendous amount of interest. Immense opportunity in pharma.
- Formation of a DIM subgroup
 - Vote on DIM subgroup - Scope statement to be sent out
 - Bob F discussed scope statement
 - Scope and purpose statement: Information Model subgroup
 - A subgroup of the HL7 Clinical Genomics (CG) Work Group (WG) will be formed to focus on the development of an information model to represent the clinical genomics domain. The creation of this model is consistent with current CG WG project scope statements and it is a necessary component of the future consolidated standard, which will include the current Domain Analysis Model and Domain Information Model, as described in the CG WG DAM Project Scope Statement (submitted in Q1/2016).
 - The subgroup will focus on creating a technology agnostic, conceptual/logical information model(s) (as appropriate) that describes the concepts within the CG domain that are represented in draft standards produced by the CG WG, including (but not limited to) those related to clinical genomics statement, family history, the CG DAM, and the FHIR genomics resources/profiles currently under development, as well as the v2 informative specification and the CDA GTR DSTU specification.

The model developed by the subgroup is intended to describe the core concepts referenced by those artifacts and support continued work in those areas. Furthermore, the intent of the model is to promote harmonization and inter-artifact consistency among all CG WG standards. As a secondary but still important priority, the subgroup will strive to incorporate relevant concepts requested by other groups working in the CG domain, including GA4GH, ClinGen, and NCBI.

- The Information Model subgroup will be led jointly by Amnon Shvo and Robert Freimuth. Meetings will be held approximately weekly via webinar, and will be open to all members of HL7 and stakeholders within the CG community.
- Perry - are there two models (conceptual and logical) ? or just one?
 - Bob F - will be hashed out in subgroup
 - Amnon - conceptual model more higher level, logical would be closer to implementation like FHIR
- Jon - immediate momentum is FHIR, perhaps DIM lite? To be worked out by subgroup, prefers to have it piggy back on FHIR sugroup meeting; would like to be involved, but can't devote another hour to this.
- Amnon - have a kickoff call to determine schedule
- Bob F - would like to figure out who wants to be involved and then determine what time works out best for all.
- Motion to create DIM subgroup - Amnon
- 2nd - Bob F
- Discussion - see above
 - Jon - how to share? Collaborative approach
 - Amnon - will explore options
 - Bob M - want a shareable UML doc
 - Jon - uses Cloud 9, there's a free version
 - Perry - for conceptual models, likes to use ORM as a modeling language
 - Added after call for clarification: ORM is Object-Role Modeling
 - e.g., https://en.wikipedia.org/wiki/Object-role_modeling
 - Gil - GenMyModel for creating code from models
 - Amnon - we tried it. Nice tool.
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- Yea / Nay / Abstain = all / 0 / 0
- Montreal WGM Agenda
 - http://wiki.hl7.org/index.php?title=File:HL7_WGM_May2016_-_Clinical_Genomics_Agenda.docx
 - Bob F - Need more detail on agenda items for each Q; what artifacts/documents need to be reviewed ahead of time?
 - Wed Q1 and Q3 may be swapped. Would lead to a better flow of topics. Gill will check to see if he can do this. No one on the call had any opposition to this. Gil and Amnon/Bob F will communicate and decide if it works for them.
 - Rotatory slides -
 - we will have a slide to be displayed on a rotation with other WGs between sessions; will distribute to the group on listserv
 - please send comments to listserv
 - Introductory slides for newcomers
 - Bob M will send out slides he used at last WGM

- Use of slide deck to take minutes (as google slide deck)
 - Remote people could see the slide deck periodically. They could add in their comments.
 - Please send thoughts to listserv.
- Any votes planned/PSS
 - Please send thoughts to listserv
- Recorded Chat
 - 10:12:26 AM from Joel Schneider to Everyone:
 - <http://blockstrap.com/en/a-complete-beginners-guide-to-blockchain-technology/>
 - 10:13:36 AM from Joel Schneider to Everyone:
 - <http://www.cio.com/article/3052264/innovation/blockchain-is-not-bitcoin-why-unfamiliarity-is-slowing-healthcare-adoption.html>
 - 10:19:36 AM from Joel Schneider to Everyone:
 - <https://proofofexistence.com/>