**2014-05-13 Health Information Modeling (HIM) WG Meeting Minutes**

**DOD:** Andy Anderson, David Poole, Krystol Shaw; Nancy Orvis, Steve Hufnagel

**CDC:** Ricky Freyre

**FDA:** Bill Hess

**S&I Simplification:** Gary Dickinson

**VA:** George Ludgate, Luanne Barron, David Bass (VHA)

**IHS:** Glenn Janzen, Jennifer Driver

**SSA:**

**HHS:** Freda Bredy, Arun Acharya

**National Library if Medicine:** Jim Case

**Secretary EA:**

**FHA:** Steve Wagner, Alberto Llanes, Vanitha Khetan, Nicole Gregory, Donna Donella, Nicole Kegler, Caitlin Ryan, Hakan Lidstrom, Galen Mulrooney, Rob McLure, Jay Lyle, Sean Muir,

Jean Colbert,

**Update on S&I Framework and FHIM Integration** *Galen Mulrooney and Gary Dickenson*

* The FHIM team was asked to map the FHIM to the CEDD, this has been done with fairly good mapping.
* Gary Dickenson provided a spreadsheet of data elements that were captured by the individual initiatives and asked that the FHIM be mapped to them. These have been mapped with a similar rate of mapping.
* An updated copy of the FHIM has been sent to Sparx per their request. Sparx is working on the common use case authoring tool for the S&I Simplification initiative.
* The Structured Data Capture (SDC) initiative is looking to create FHIR profiles for a series of core data elements. Galen is looking at what they have identified to see where they are in the FHIM and quantify how many there are in the FHIM.
  + Future Direction: want to be able to at first manually generate FHIR profiles from the FHIM and eventually work with MDHT to automate generation of FHIR profiles for core data elements from the FHIM (future Direction)
* Gary updated that they have looked at several initiatives and use case scenarios and asks that the agencies/initiatives share the templates they use for their Use Cases and examples if applicable. He hopes to see how this aligns with the word document template used by the S&I Initiatives.
  + There was a brief discussion about BPMN from C-IPT but it does not appear to be what Gary is looking for. Gary will send David and Steve H. the word template that S&I currently uses to see if there is some alignment.
  + The S&I Template can be found at the following link below:

<http://wiki.siframework.org/file/detail/SIFramework_Use+Case+Template.docx>

* + Steve W. expressed his desire for a UML level modeling template to automate the process for use cases; Gary concurred and said that this is the intent of the use case authoring tool that is being developed.

**Update on FHIM Integration with NLM Value Set Authoring Center (VSAC)** *Rob McClure*

*Please see the slides for details*

* The FHIM team has been using PHIN VADS, a tool by CDC but find VSAC to be better as it provides easier access to an authoring environment. The intention is that all subsequent value sets will be made available on VSAC.
* VSAC was stood up by the National Library of Medicine and is funded in part by the HiTech Act and driven by the need to support Electronic Clinical Quality Measures (ECQMs)
* Rob briefly discussed the following:
  + The makeup of value sets and examples.
  + VSAC Milestones
    - All can be implemented and used in FHIM. Looking at making the VSAC available to any number of projects including outside of the US FHIM is the first non-MU focused area whose content they are looking to support. There is a good possibility that they will be able to provide HL7 a place to have their value sets readily available and perhaps provide people access to do development work.
  + New Directions
    - Keeps value sets up to date based on the definition in the value set.
    - VSAC Share tool is intended to be an open forum for Crowd Source Creation; to gather input into the content of those value sets.
* Rob reviewed the NLM VSAC site through the NIH Website: <http://vsac.nlm.nih.gov>
  + Will not have an authoring tab until you have requested and been granted authoring access
  + A UMLS license is required to access VSAC content
  + An important part of the VSAC is that it is one of the first places that supports better governance and maintenance. There is a steward who makes final decisions about the content and decides when it is ready for authoring and then an author under the steward who gets the work done.
    - If interested in creating content you can register as a steward on the site.
* Question & Answer
  + George Ludgate: Do you have a data model or domain model of all of the concepts you just mentioned.
    - There is a model but it was not reviewed on the call.
    - Rob shared that he is the Project lead for HL7 vocabulary WG, the Value Set Definition Project and shared that they are creating a normative standard for modeling metadata associated with value sets. There is a model associated with that. For more information please follow the link below:

<http://wiki.hl7.org/index.php?title=Value_Set_Definition_Standard_Project>

**FHIM Status Update** *Steve Wagner*

* Modeling (terminology and information) of the Adverse Event Reporting Domain is expected to be complete in 2-4 weeks; terminology and information modeling is happening at the same time
* Continue to support DAF and SDC initiatives
* The process guides for information modeling, terminology modeling and implementation modeling are on the [fhims.or](http://fhims.org)g website . Steve reminded the group that these were living documents and to please provide their comments at any time.
* The comparative report for FHIM is complete, please submit comments. *(Please see the accompanying document)*
* The next set of validation domains to be sent out for review will be Adverse Event Reporting and Health Concerns/Problems

**The Next FHIM Domain to be Modeled**

* Security and Privacy will be the next domain to be modeled once Adverse Event Reporting is complete.
  + This was one of the first domains modeled in the FHIM based on an HL7 domain analysis model. This will be an update as a lot of work has been done in Security and Privacy since it was first modeled.
  + An email alert will go out to ask the partners to participate; VA and DoD have already expressed their interest.

**CIMI and HL7 Meetings Update** *Galen Mulrooney and Rob McLure*

* Clinical Information Modeling Initiative (CIMI), Intermountain Healthcare, was established to create a repository of shared clinical information models used to enable information exchange as well as clinical decisions support systems, etc.
  + They use a set of standards called 13606 as implemented by Open Air.
  + CIMI has been working on building a reference model, once this is done Galen expects they will be creating clinical information models fairly rapidly.
    - Jay commented that a lot of work needs to be done in a short amount of time.
  + IMHC and Korea have built a series of models in other constructs and have committed to moving them over to CIMI
* The HL7 meetings were centered on FHIR
* Galen commented that FHIR is immature in clinical content and said that if CIMI is creating clinical content we may want to express those as profiles on FHIR resources. Perhaps this is an opportunity for FHIM to bridge the clinical information aspect of CIMI’s work and the implementation aspects that FHIR is defining.
* Galen: The direction we are looking to go is to define the detailed clinical models, eventually the clinical content would come from CIMI, but then be able to generate that from the FHIM.
* Stan Huff, who leads the CIMI initiative, has created a “services platform collaborative”. They are looking to build open source implementations of services in a service oriented architecture sense that would be needed for an EHR system. Galen believes they may be looking to combine the clinical content in the CIMI model and the open source service specs from the consortium to create an environment where you can send service indications with standardized data structures/interfaces between the EHRs of various vendors.
* Jay added that CIMI is looking to vote on 2 options for modeling containment.
* Rob encouraged group members to participate in the HL7 Value Set Definition Project (mentioned earlier). This group currently meets on Tuesdays from 4-5:40 ET.
  + If you cannot participate but are interested you may contact Rob McLure at [Rmcclure@mdpartners.com](mailto:Rmcclure@mdpartners.com) and provide feedback on the vocabulary list serv.

**IHTSDO Meeting Update:**

* Rob attended this meeting as a member of the Implementation and Education Committee, previously the Implementation and Innovation Committee.
* IHTSDO has heard from the membership and are moving on to become more business-like by hiring people and allocating resources to get more done.
* The following resources have been created:
* **IHTSDO education resources:** <http://ihtsdo.org/fileadmin/user_upload/doc/elearning.html>
* **SNOMED in action (uses of SCT):** <http://snomedinaction.org/sct-table.html>
* **SCT browsers:** <http://ihtsdo.org/fileadmin/user_upload/doc/browsers/browsers.html>

**Wrap Up:**

* Steve thanked the group for attending and ended the call.

**Next meeting:** Tuesday, June 10, 2014 at 1pm EST