**HL7**

**Patient Care Work Group**

**Allergies Sub-Group**

Date: August 2, 5-6 PM US EDT

Participants:

|  |  |
| --- | --- |
| **NAME** | **Attendees for 08/02/2011** |
| Stephen Chu | √ |
| Andre Boudreau |  |
| David Shields | √ |
| Debra Hahn |  |
| Elaine Ayres |  |
| Galen Mulrooney | √ |
| Heather Leslie | √ |
| Holly Porter | √ |
| Hugh Leslie | √ |
| Jim Cimino | √ |
| Jim McClay |  |
| Kevin Coonan | √ |
| Margaret Dittloff |  |
| Marty Yadrick |  |
| Melanie Allred |  |
| Mike Krugman | √ |
| Russ Leftwich | √ |
| Tom de Jong |  |
| Viet Nguyen |  |
| Wendy Huang |  |
| William Hess | √ |

**Agenda**

**AGENDA for August 02**

* + **Review and approve minutes from July 5, 2011.**
  + **Walkthrough of Patient Care Allergy/Intolerance Topic model (September 2007 ballot) development**
  + **Project objective – what are we trying to achieve?** 
    1. **Review 2007 model against requirements?**
    2. **Rework 2007 model if necessary?**
  + **Project plan and project scope statement.**
  + **Wiki as repository resources: who and how**
  + **Plan agenda for August 2, 2011 conference call.**

**Review of Minutes**

Review and approval of the July 5, 2011 minutes – moved by Hugh; seconded by Russ. No objection, no amendment, minutes approved

**Walkthrough of 2007 Allergy/Intolerance model development history – Kevin Coonan**

Several groups worked on similar topic resulting in incompatible models being created

Patient Care attempted to bring these models into harmonisation/normalisation based on the Clinical Statement Pattern

Some unmanaged overlaps still exist, e.g. models for reporting to regulatory bodies, models for documenting clinical manifestation, ICH, etc

Important question/issue:

What is the allergy/intolerance model intended for?

What are the properties for representing allergy/intolerance as clinical manifestations, problem/diagnosis (condition or concern), exposure?

How is it different from representing health concerns?

How is the model used in clinical applications: EMR/DSS?

Suggestion:

Analyse materials on Patient Care Allergy/Intolerance topic page on substance allergy, substance intolerance, history of adverse reaction.

**Objective/Scope of Project**

It is agreed that the starting point will be to analyse all models presented (HL7 Allergy/Intolerance, US-FHIM, UK-NHS, Australian, Canadian).

Analysis to focus on the purposes of use, the properties and semantics based on different purposes of use

Goal: to attempt rationalisation/harmonisation of all models

It is important to note the differences in purposes between the HL7 model (for supporting exchange) and models presented/created by different nations (for supporting EMR/documentation).

Comparative analysis of the properties of rationalised/harmonised model and HL7 Patient Care Health Concern topic should be done

Goal: to determine how these models are different beyond semantics (e.g. vocabularies/ACT codes)

i.e. to determine the difference in properties (structural/syntactic) of these two models

**Rationalisation/Harmonisation Approach/Methodology**

It is agreed that use cases/storyboards for this topic have been “done to death” and there is not much value in revisiting this

Across the models comparative analysis should commence without the need to review or redevelop storyboards. Anyone interested in these storyboards can access them through the Allergy/Intolerance topic 2007 Ballot link:

<http://archive.hl7.org/v3ballotarchive/v3ballot2007sep/html/welcome/environment/index.htm>

Any disagreements will be resolved by “logical proof” – use practical clinical examples to demonstrate requirements and to arrive at agreements through discussions/negotiations

**Allergy list not just a query**

Allergy list can exist in two environments:

EMR – [as views] through query on EMR allergy/intolerance problem/diagnosis

As managed list in shared EHR (needs to be maintained)

Russ – to analyse the uses and properties of each and to produce document for discussion at the next conference call

**Model of Meaning and Model of Use**

It is proposed that the model of meaning can be used as bases for rationalisation/harmonization.

It is noted that models of meaning are ontological (and terminology) in nature. They are linked to model of use to provide semantic clarity and do not replace models of use (information models)

If models of meaning are to be considered as reference points for model of use harmonization, three distinct concepts will need to be considered:

Allergy/Intolerance as health concerns, problems or diagnosis

Adverse reactions (after exposure)

Propensity to adverse reactions

It is agreed that this should be discussed outside the conference call via email or on the wiki page to solicit wider inputs.

Stephen and Kevin to communicate via email to discuss the best way to engage interested parties in wider discussion; and how to set up the wiki for such purpose.

**DSS vMR DAM**

David Shields in a post conference call email alerting this group to the DAM developed by DSS that is in the September 2011 ballot.

This DAM may be of interest to the allergy topic group. Plan is to get Kensaku Kawamoto who led the effort to give a walkthrough if he is available.

The DSS vMR DAM ballot materials are available from these links:

The model itself is available in the ballot package on the DSS wiki at

<http://wiki.hl7.org/index.php?title=File:HL7vMR_vMR_Domain_Analysis_Model_Ballot_v2011-07-19.zip>

and also in a larger package with additional documentation at

<http://wiki.hl7.org/index.php?title=File:HL7vMR_vMR_Domain_Analysis_Model_2011_Sept_Ballot.zip>

The DSS wiki itself with a complete record of the WG discussions is at

<http://wiki.hl7.org/index.php?title=Virtual_Medical_Record_%28vMR%29>

**September 2011 V3 ballot** is available at this link:

<http://www.hl7.org/v3ballot/html/welcome/environment/index.html>

**Proposed Agenda for Next Meeting** (Tuesday 16 August 5:00pm US Eastern time)

Confirmation of conference call minutes (19 July and 2 August)  
Walkthrough of DSS vMR DAM if Kensaku Kawamoto is available

Allergy list – discussion (Russ to lead)

Model of meaning and model of use – summarise wider discussions outcomes

Rationalisation/Harmonization of models: approach/methodology discussions and agreement

Project scope statement

Project deliverables and timeline

Allergy/Intolerance topic wiki page

Other business

Draft agenda for next conf call (30 August)

**NOTE: HL7 Working Group Meeting in San Diego, CA September 11-16, 2011**

**These are the links to HL7 Allergy and Intolerance historical materials**:

1. The Allergy Project wiki: <http://wiki.hl7.org/index.php?title=Allergy_%26_Intolerance>
2. The Allergy DSTU: <http://www.hl7.org/dstucomments/> (see note from Andre below)

The allergy DSTU has a close date of **June 9, 2012.** The files are available as a zip file: V3\_PC\_ALLERGY\_DSTU\_R1\_2008JUNE.zip

1. 2009 Ballot: <http://www.hl7.org/v3ballot2009may/html/welcome/environment/index.htm>
2. September 2007 DSTU Ballot link: <http://archive.hl7.org/v3ballotarchive/v3ballot2007sep/html/welcome/environment/index.htm>