**FHIMS Lab-Orders and Observation Domain**

January 31, 2011 Meeting Minutes

# Attendees

Robert

Neelima Chennamaraja, VA

Mike Fitch, DoD

Patty Greim, VA

Ira Lubin, CDC

Kosta Makrodimitris, FDA

Galen Mulrooney, VA

Anne Pollack, CDC

Cindy Vinion, NG/CDC

Steve Wagner, ONC

# Leadership team

Neelima Chennamaraja, Kosta Makrodimitris, Galen Mulrooney, Cindy Vinion

Website: <https://www.projects.openhealthtools.org/sf/projects/fhims/>

# Agenda

* ALL-Galen: Modeling Information and decide on classes, patterns and granularity
* ALL-Kosta-Neelima-Cindy: Discuss use case and scenarios (10’)
* ALL-Kosta-Anne: International Society for Disease Surveillance cases-report(10’)
* ALL-Kosta-Galen-Cindy-Neelima: AAAS 2011 poster/Feb17th (10’)
* ALL: S&I Framework - Lab Interface Initiative Kickoff- Feb 1st 2-3pm(5’)
* ALL: Milestones-Plans-Risks for modeling & use cases(3rd iteration) (5’)
* ALL: S&I Lab, NHIN DIRECT lab, HL7 Lab-OO,(5’)

# Provided Resources

None

# Summary of Discussion

## Modeling

* Started looking at CLIA and started discussing how to breakdown the modeling effort and the granularity needed and desired in the model.
* Cindy: are "condition" and "standard" in the CLIA regulations different levels or different things?
  + Anne: The "standard" breakouts
  + Kosta: Add a lot of the details in
  + Mike: While the PT standards, as defined by CLIA, may be different for regulation purposes, the information in the test & test result is not different and the
  + Anne:
* Kosta: Add structures to the model to reflect
* Ira: This group is well positioned to develop a higher-level framework model and the lower-level modeling is not needed to be done by this group. Ira feels that he can take a higher-level framework and work with experts and very detailed scenarios to develop as needed.
* Kosta: We should look at the whole business process, from ordering to sample collection to result reporting.
  + Anne: Has some concerns with where data is stored and what they do with it. This can impact policy.
* Galen: the lifecycle that we are talking about currently, is the lab result reports and some
* Steve: If there is a piece of information needed to either do the order or the result, then it belongs in the FHIMS model. If there is information needed to get to results or an order, but is not needed in an exchange, then it does not need to be in the FHIMS model. A lot of modeling has already been done; some have not been done very well and needs to be filled in. For most of the areas, we already explored the needed information that was gathered or collected
* Autopsy has been removed from the domain. CLIA
* Cindy: I would like to propose a Lab Report class. Many, if not all testing efforts send back a comprehensive report.
  + Galen: This is a good idea since a signed, expert report is what is returned.
  + Anne: The results from the lab are always signed and follow a chain of command (and expertise). If we focus on reporting, then the needed detailed information and the lifecycle step where the information is collected or created will fall out of the discussion.

## Use Cases & Scenarios

* Kosta: Can Ira write up a couple of scenarios for genetic testing?
  + Ira can provide the scenarios and would like to work with some FDA people to develop them. There are several possible scenarios, some are complicated and some are simpler.
* Kosta: HL7 has a clinical Genomics group. He will share the material with Ira.
* Kosta will attempt to import the BPMN diagram for the Electronic order, lab-collected specimen outpatient scenario provided by Cindy.
* Kosta: The sentinel system is doing active surveillance and needs lab results.
  + Anne: The sentinel networks define what needs to be reported and by who. The reporting criteria are critical and many are subjective. Some of the problems that exist with the sentinel networks are garbage in-garbage out and is it difficult to predict how the information are used.
  + Kosta and Neelima are writing a scenario describing the sentinel network. They will

## ISDS Discussion

* Anne: CDC was a consult on the report. It points out some of the issues this group is trying to deal with. Of particular interest to this group would be the process models they have developed. Please look at the some of the business processes and how they are mapped; these flowcharts should help highlight interoperability with lab reporting. It might be helpful to explore these interfaces from the lab report interfaces and to explore the advisability of and need to put the report information into a surveillance network.

## AAAS Poster

* Kosta has started an outline for the poster. He will share the outline with the group and discuss it on Friday.
* Steve: ONC has a website for publishing FHIMS output, such as the model. This website, or a similar one, will be used for additional information related to the AAAS poster.
* Kosta will share the power point presentation that will be used for the poster so that each person writing the information on the poster (Galen, Cindy, etc) can edit their section.

## S&I Framework - Lab Interface Initiative

Kickoff Feb 1st 2-3pm ET; register at <https://www3.gotomeeting.com/register/784221638>

* Anyone can attend the meeting.
* Steve will forward the invitation.
* Galen - This conflicts with the Allergy domain modeling meeting. Anyone who can attend, please provide an overview.

## General Discussion

* Patty Greim has asked some SMEs to attend this meeting to provide expertise for the modeling of clinical pathology.

# Action Items

| Start Date | Priority | Action Item | Status |
| --- | --- | --- | --- |
| 1/10/11 |  | Danny: Check on data dictionary and definitions from ICLN. |  |
| 11/22/10 | Low | Mike-Wendy-Kosta-Galen-Cindy: Define-clarify Specimen-Sample filler and placer order number, test identifier, placer group number and universalServiceIdentifier. Pathology Laboratory uses specs from DICOM (Supplement 122) to describe the various units (specimen, accession number, etc) in their workflow. | In process |
| 11/22/10 | Low | Kosta-Steve : Services Aware Interoperability Framework and Lab-OO FHIMS relevance | In process |
| 11/15/10 | High | Mike, Cindy, Galen: Finalize definitions for and use of different identifiers & numbers in lab domain - filler order number, placer order number, group number, test identifier, etc. | In process |
| 11/8/10 |  | Need to discuss different scenarios involving different people (ward clerk, nurses, physicians, physician's assistants, interns, etc) and who those people would be in a data exchange. | Not started |
| 11/8/10 | Low | Tim (ICLN) to determine if they would like to participate in FHIMS. |  |
| 11/1/10 |  | Cindy will update sample accessioning scenarios. | In process |
| 11/1/10 |  | Anne will write up lab processes to include as additional scenarios. | In process |
| 11/1/10 |  | Cindy to identify and contact FBI person from LRN National Meeting for participation in the FHIMS Lab calls when we start doing Chain of Custody, slated for phase 2. | In process |
| 11/1/10 | Med | Kosta to transform flowchart of outpatient scenario to BPRN. | In process |
| 10/25/10 | Low | Keep in touch with Ted Klein and get material and links   * Update 11/1: Ted waiting for approval to release draft version of volume V | In process |
| 10/25/10 | Low | Kosta-Galen will organize the OpenHealth shared project space for Lab-OO   * Update 11/1: Steve working on organizing the OpenHealth tools project space | In process |
| 10/25/10 | High | Prepare for FHA leadership meeting to present FHIMS domains process | In process |
| 10/25/10 | Med | Contact laboratory experts, LIMS admins, HL7 OO wg   * Update 11/1: HL7 OO WG information shared with interested participants | In process |
| 11/09/10 | Med | Kosta to present relevant material for Automated Laboratory Management, FERN, eLEXNET | In process |
| 11/08/10 | Low | Galen to update weekly the FHIMS Lab-OO model and collaborate with Kosta to update about changes from baseline(map .xls-overview) | In process |

# Completed/Not Tracked Action Items

| Start Date | Priority | Action Item | Status |
| --- | --- | --- | --- |
| 12/6/10 |  | Cindy: Send either DICOM Supplement 122 link or document. |  |
| 11/8/10 |  | Tim (ICLN) to discuss with DHS the sharing of the Actionable Data Elements spreadsheets with definition. | Not tracked |
| 11/1/10 |  | Cindy to share meeting information for the next meeting when it is sent by the co-chairs. | Completed |
| 11/1/10 |  | Cindy to send flow chart PDF to Anne Pollack | Completed |

# Agenda Next Call: January 31, 2011