

**FHIMS Lab Domain:**

Order, Perform, Observe, Interpret, Store, Report,  
Receive

**Meeting Minutes** (June 13<sup>th</sup> )

**Agenda for the next meeting** (June 20<sup>th</sup> )

**Date/time of call:**

Monday, June 13<sup>th</sup> 2011, 10-11:30 AM (EST)

**Call:** 1-800-767-1750, **Passcode:** 84287

Microsoft Office Live Meeting

**Leadership team**

**Neelima Chennamaraja, Kosta Makrodimitris, Galen Mulrooney, Cindy Vinion,**

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

**Attendees**

David Bass, VA

Neelima

Kosta Makrodimitris, FDA

Galen Mulroony, VA

Anand Shukla, VA

Cindy Vinion, NG/CDC

**Agenda**

- ALL: Milestones-Plans-Risks for modeling & cases (4th iteration), 15'
- ALL-Cindy: new use case on environmental testing
- ALL-Ira: genetics use case, breast cancer 15'
- ALL-Galen: Information Modeling and mapping report update(C36 etc)15'
- ALL-Kosta-Steve Terminology Lab 5'
- All – Kosta Public Health reporting and Lab (new domain FHIMS-S&I)
- ALL-Kosta S&I LRI communication and subgroups, F2F on June 14-15, 5'

**Guiding principal:** FHIM Lab-OO will distinguish and categorize lab tests and results, and reports based upon the data needed to:

- (1) **Order** the test,
- (2) **Perform or process** the test,
- (3) **Obtain, interpret and store** data/results of the test,
- (4) **Report and/or release** the (full/partial) results,
- (5) **Receive, interpret and process** the report.

**Actors:** Hospital, Clinic, Lab types, Public Health Agency (fed-state-local), Patient, Physician, Nurse

## Summary of Discussion

### Resources Submitted

Items submitted for FHIMS Lab consideration from Cindy:

- environmental monitoring and testing;
- veterinary monitoring and testing;
- lab accreditation (as defined by CLIA, CAP, LRN, FERN, etc);
- proficiency testing (also as defined by CLIA, CAP, LRN, FERN, etc);
- sample collecting and testing during outbreaks/emergency events, exercises, etc including the needs of "field hospitals"

### Milestones-Plans-Risks for modeling & cases (4th iteration)

- Cindy has submitted 5 items for planning consideration:
- Galen - FHIMS Lab needs to finish modeling information that is needed by S&I LRI before starting anything new.
- Kosta - FHIMS Lab has a larger focus than S&I LRI. It'll be great to support S&I LRI.
  - Galen - Yes, we do have a more comprehensive effort; however, we need to complete mapping FHIMS Lab to S&I LRI implementation guidance.
- Kosta - Cindy, would you like to discuss what you submitted? You mentioned that we are not done with sample. What are specific items you suggest to finish first?
  - Cindy - I am not prepared to discuss the details of these items. They were simply submitted for inclusion on the FHIMS Lab roadmap; I do not believe any of them are appropriate for this iteration and may not be appropriate for this phase.
  - Kosta - What is proficiency testing? Is this lab accreditation?
  - Cindy - I defined lab accreditation as the initial step to getting certified and/or becoming part of one of the lab networks (LRN, FERN, etc). Proficiency testing is on-going validation that the lab still meets the guidelines and stays certified.
- Kosta- In parallel to modeling lab information we need to map, organize and work on other parts (cases, terminology, EHR, S&I LRI, CDA, HITSP, Public Health) to harmonize holistically and consistently.

### Information Modeling and Mapping Update

- Galen and Neelima have been meeting to complete this process, and currently have a 90% match with 2/3 of the data elements in C36. They have not completed situations where segments within the LRI message repeat. We need to discuss how to get FHIMS Lab more, or more formally, involved with S&I LRI.

## **Environmental Testing**

- Cindy - Environmental testing will need other agencies, especially, EPA's involvement. It is not appropriate to start this in this iteration or until other agencies are involved.

## **Public Health Reporting and Lab (New Domain FHIMS S&I)**

- Kosta - S&I is discussing starting a Public Health Reporting initiative. FHIMS also has a Public Health domain. Kosta and Nikolay Lipsky (from CDC) are discussing how to get these 2 initiatives can and should work together and/or finding the scope for both efforts.

## **FHIMS & S&I (LRI) Mapping**

- Neelima mapped data elements requested in the LRN use cases (see Data Considerations at <http://wiki.siframework.org/LRI+Use+Case+%26+Requirements+%28UCR%29+WG>)
- Approximately 80 - 90% of the elements requested by S&I LRI are in the FHIMS Lab model.
- Next steps: Neelima will get with Galen to review the mapping and update the FHIMS elements to reflect the latest model. After that, the mapping will be sent to S&I LRI.
- Kosta – We still need to finish the 3rd iteration report (mapping HL7, HITSP-Galen, Neelima are working on it).

## **HITSP C32/C36 and C80/C83, CDA & EHR-FM XML**

- Steve Hufnagel recommends that FHIPS lab review the HITSP documents CAP99, CAP126, CAP127, C36, C37, C80, & C83 (for the specimen and lab components) for information that may need to be included in the FHIM lab model or for references to other documents that will need to be reviewed to locate information that may need to be included in the FHIM lab model. [www.hitsp.org](http://www.hitsp.org)

## **ANNOUNCEMENTS**

- Pathology Informatics 2011 October [www.pathinformatics.pitt.edu](http://www.pathinformatics.pitt.edu)
- Visualizing the 21st Century of Healthcare Today <http://www.govhealthitconference.com/>
- Public Health Informatics conference this summer in Atlanta: Engaging, Empowering, Evolving...Together Aug 2011 <http://www.cdc.gov/phiconference/index.html>
- SOA in Healthcare conference <http://www.omg.org/news/meetings/HC-WS/index.htm> July 2011
- CLIA conference in July 2011

### **Agenda Next Call: June 20<sup>th</sup> 2011**

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- ALL-Galen: Information Modeling and mapping report update(C36 etc)15'
- ALL-Ira: genetics use case, breast cancer 15'
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### Action Items-(NEED UPDATE after planning 4<sup>th</sup> iteration)

Start Date	Priority	Action Item	Status
11/22/10	Low	7) Wendy-Kosta-Galen-Cindy: Clarify Specimen-Sample filler and placer order nr, test identifier, placer group number and universalServiceIdentifier. The Pathology Lab uses specs from DICOM (Supplement 122, specimen, accession number, etc) in workflow.	In process
11/22/10	Low	8) Kosta-Steve Hufnagel: Services Aware Interoperability Framework and Lab-OO FHIMS relevance (Lab-OO HI7 domain has done some work, Cindy)	In process
11/15/10	High	9) Mike, Cindy, Galen: Finalize definitions for and use of different identifiers & numbers in lab - filler order number, placer order number, group number, test identifier, etc.	In process
11/8/10	Med	10) Need to discuss different scenarios involving different people (ward clerk, nurses, physicians, physician's assistants, interns, etc) and people in a data exchange.	Not started
11/8/10	Low	11) Tim (ICLN) to determine if they would like to participate in FHIMS.	In process
11/1/10	Low	12) Cindy will update sample accessioning scenarios.	In process
11/1/10	Med	13) Anne will write up lab processes to include as additional scenarios.	In process
11/1/10	Low	14) 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, phase 2.	Not started
11/1/10	Low	15) Kosta/Cindy to transform flowchart of outpatient scenario to BPMN. The first BPMN 1.2 draft is done and need to review and add data objects.	In process
10/25/10	Low	16) 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	Med	17) Cindy- 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	18) Kosta to present relevant material for Automated Laboratory Management, FERN, eLEXNET, Sentinel and Medical Countermeasures (FDA/contractors/partners)	In process
11/08/10	Med	19) Galen to update weekly the FHIMS Lab-OO html model and collaborate with Kosta to update about changes from baseline(map .xls-overview)	In process (recurring)
11/17/10	Low	21) Kosta to invite CFSAN statisticians, lab experts to present possible scenario for Lab collaboration with CDC (sample hygiene-diseases)	In process
11/17/10	Low	22) Kosta to prepare sample business case for FDA/ORA ALM lab automation and model (draft). Organize library of BPMN cases, EHR functional mapping	In process
03/4/11	High	28) ALL Business cases diagrams, EHR functional model mapping, robustness model and data exchange elements to standardize	In process
03/18/2011	High	29) Dr. Varma introduced by W.Scharber communicated with Lab-FHIMS to join the domain and learn more about the modeling efforts at ONC/FHA	In process
03/25/2011	High	30) Maps to our classes, domains, agencies(strategy, framework, spreadsheets)	In process
03/25/2011	High	31) Galen will send email to Vijay-Mike to research isUrineScreenPositive" and "sputumScreenResult" attributes	In process
04/04/2011	High	32) Galen-Neelima evaluate and report on HL7 2.X c36, c37 coverage so far	In process
04/04/2011	High	33)Kosta reports on FHIM-EHR mapping and coverage	In process
04/04/2011	High	34) Anne reports on CLIA conformance	In process
04-14-2011	High	37) Cindy-Kosta-Galen- prepare presentation for PHI-CDC conference in August	In process

### Completed/Not Tracked Action Items

Start Date	Priority	Action Item	Status
11/8/10	Low	6) Tim (ICLN) to discuss with DHS the sharing of the Actionable Data Elements spreadsheets with definition.	Completed
11/1/10	Low	5) Cindy to share meeting information for the next meeting when it is sent by the co-chairs (ICLN).	Completed
11/17/10	Low	20) Kosta-Galen-Cindy-Steve-Neelima to prepare and design AND PRESENT a FHIMS-Lab-OO poster accepted for AAAS meeting in DC(Feb-20th 2011)	Completed
2/28/11		25) Kosta - Develop definitions for structured and unstructured data (S& LRI WG)	Completed
2/28/11	High	27) Develop overview and plan for Lab domain using the Report of 2010 document. Deliver to Steve 3/18/11	Completed
03/4/11	High	24) Kosta-Galen Create space for 6 sub-WG under Lab domain(HITSP-EHR, FERN, Sentinel, cancer-pathology, genetics, lab report exchanges)	Completed
11/17/10	High	23) Kosta-Cindy-Galen-Steve: Plans and documentation of modeling and cases during the last 3 meetings the 2 <sup>nd</sup> iteration. Schedule the 3 <sup>rd</sup> iteration Jan-April 2011	Completed
04-14-2011	High	36) Cindy-Kosta-Galen-Nikolay prepare abstract for PHI-CDC conference in August	Completed
04/04/2011	High	35) Cindy-Anne prepares definitions and document on ambiguous terms (ELR, EHR)	Completed