OpenELIS Subcommittee Monthly Conference Call

April 13, 2013

Participants:

Gary Jones – OpenELIS Foundation
Dari Shirazi – Iowa Public Health Lab
Bob Bostrom - APHL
Reshma Kakkar – TSJG
Tien Dang Han – Global Cybersoft, Vietnam
Paul Schwartz – ITECH, Univ of Washington
Frank – Iowa Public Health Lab

Travis Schmidt – Iowa Public Health Lab
Shondra Johnson – Missouri Public Health Lab

Our Agenda will be as follows:
1. Update on the OpenELIS website redesign - Gary Jones
2. Update on OpenELIS RFP for Zambia – Reshma Kakkar
3. Global Projects update– Paul Schwartz
4. U.S. Projects update – Dari Shirazi

1. Gary working on website. Moved back to godaddy as had issues with the hosting of the site. Changes are being made gradually by Gary with ideas from Dari around usability.
    a. Gary will look into putting meeting agenda and meeting notes on website.
    b. Gary also asked for input on website.
2. Gary got an e-mail saying APHL will send confirmation about Zambia proposal to all applicants by April 19th.
3. Gary said OpenELIS Dropbox site will be set up for sharing documents
4. Paul S said they just finished a release that went out to everyone. To CI and Haiti. Haiti just started regional labs that will be throughout the country. This release went out 2 weeks ago
    a. Have a new manager on board, Mike Dateson. He has worked in NY and Washington in healthcare systems and he will help keep them on track.
    b. Next big initiative will be to send lab orders from the EMR in Haiti to OE.
    c. Initially would be used for surveillance and not healthcare.
    d. Now will send HL7 message from EMR to OE
    e. Running into some problems that clinicians order tests differently than how laboratorians view them. Since tests can be done differently on plasma or serum, the lab has to decide but clinician does not care.
    f. Dari had suggestion

      i. They dealt with this in PHLIP – the HL7 message. 5-6 states got together and came up with menu of tests. Lab wanted specific names and doctor's ordering diff name. They don't care about spx type. Labs would argue that culture would take longer and PCR would be better etc. Both were offered on the menu. As a community decided that the order code would be different than result – i.e. order LOINC doff than result LOINC. Can order generic test and will do the specific test that lab wants to do. Could use spx LOINC code (XXX)

      ii. Dari takes HL7 message, formats it as XML and loads into table. Some elements from the message are taken out and made into specific records based on items of interest. Using a Question and Answer approach. E.g. hospital wants a certain amount of info back from their order. Look at the detailed records for the individual info needed. Hospitals may send diff info with the request. Depending on the hospital pull specific fields from their HL7 message, and associate this with request and link to sample

g. Tien asked question about what to do when patient shows up

      i. Paul S that have to tie patient with order number. They pre-populate sample entry page. Person providing results will have to verify that person in front of them is the same one submitting the lab order.

      ii. Dari said they do go through the order to figure out who to send it back to. Also link sample to order so order number can never be re-used and check off order as being consumed. So cannot link to it twice. When send HL7 results back, have to include order number.

      iii. Paul S they envision allowing them to cancel the order if not received sample or no patient. Do not envision allowing them to modify order. Dari said in their experience, the clinician may cancel order and re-order.

      iv. Dari – when a hospital orders a test, they have a place holder in their system for the result of the test. Lab may do some reflex or additional testing. If send back results that were not ordered, that causes problems. Therefore if additional tests are to be done by LIMS, a type of order is sent back to hospital system to make sure they keep a spot for the additional results. This works if the two systems are closely linked but it's quite difficult. So currently let hospital know that a reflex is possible with a certain type of test.

5. US work

  a. Shondra:

      i. Has contract with RKB consulting firm – 2 developers and QA tester. Finishing up tasks on OE 1. This work has started.

      ii. Also meeting with IT group once a month. They may have a person for their Developer position

      iii. Did some work with ELR-TA team. They reviewed messaging guide and mapping of LOINC and SNOMED. This was helpful

  b. Dari: working on OE.

      i. Include Newborn screening – has multi anmalyte interpretation. This is unique to their process. Working to write a script which is challenging using a browser. Trying to execute triggers or code and defining them dynamically. This may take a year.

      ii. Also designing follow up module. Case management software. Closely tied to newborn screening. This will take 6-7 months.

      iii. Also have moved to GWT 2.5. With this get some widgets that have been working on for 1.5 years that allow for more windows in browser and some additional functionality

      iv. Moving towards LIMSi – for reporting bio-terrorism, not chemical yet, directly To CDC using HL7 through LIMS. Working towards completing it. Due to be in Production in 1 month. South Carolina is interested in OE for bio-terrorism and chemical terrorism. Dari spoke with them yesterday and they are taking the database and implementing it in MS SQL server, converting code and getting it up and running. This should make it more robust for next state. This might reduce overhead for Shondra.

      v. Reshma said TSJG would follow up with Dari on support for South Carolina

6. Dari said they are doing vocab mapping in OE that might be of use to Paul S. Dari is happy to present that. So far this has provided some flexibility. Dari will do this on next call. Reshma asked if this could be recorded. Dari agreed

7. Gary asked Paul S to provide contact of new manager, in case they were interested in joining. Paul S will provide that.

8. Gary asked Dari to forward Greg's e-mail from SC so he could be added to the calls as well.