**CDC Health Information Innovation Consortium (CHIIC)**

**May Forum Meeting Notes**

**Chamblee Building 106, Room 1A**

**May 12, 2015, 10:00-11:00AM**

**Meeting Agenda:**

1. Introduction – Brian Lee – 5 minutes
2. Emerging Infection Program Web Service  - Jason Hall – 25 minutes

This project is a major enhancement to the existing secure web service (EIP WS) pilot. The enhancement will provide a standards-based, configurable, re-useable and secure interoperable solution to support timely and effective system interaction between the CDC and public health partners for EIP and other surveillance activities.

1. Research Electronic Data Capture (REDCap) – William Duck – 25 minutes

The use of REDCap (Research Electronic Data Capture) is as a proposed shared service model within the NCEZID informatics office. REDCap is a secure web application for building and hosting online surveys and research databases. This shared service will help support all NCEZID epidemiological surveillance in the field and for research projects hosted here at CDC.

1. Discussion & Suggestions – 5 minutes

**Attendees:** Ninety six people attended in person or via webinar. Participants were from NIOSH, OPHSS, OADS, CSELS, NCCDPHP, NCHHSTP, OSTLTS, NCEZID, NCIRD, DGHP, DGHA, NCHS, ONDIEH, NIOSH, CGH, and OPHPR.

**Introduction – Brian Lee –** Two projects were the focus of the fifth CDC Health Information Innovation Consortium (CHIIC) forum. The first presentation, *Emerging Infection Program (EIP) Web Service* was presented by Jason Hall and Sreeni Kothagundu from the National Center for Emerging and Zoonotic Infectious Diseases (NCEZID). This was a 2014 CDC Surveillance Strategy Innovation Project. The second presentation, *Research Electronic Data Capture (REDCap)* was led by William Duck from the National Center for Emerging and Zoonotic Infectious Diseases (NCEZID).

**Presentation - Emerging Infection Program Web Service – Jason Hall and Sreeni Kothagundu**

Jason provided background information about the *Emerging Infections Program (EIP)*, how information technology works within EIP, the current problem and where they are with web services. Sreeni provided information on how funding from CHIIC made the web service more scalable and more available for broader use within EIP and other parts of the agency.

**Presentation - Research Electronic Data Capture (REDCap) – William Duck**

The second presentation, *Research Electronic Data Capture (REDCap)* is a shared service project that has potential applicability for other programs. REDCap is a consortium of 1,442 institutional partners who can access the consortium to collaborate with external partners; especially when secure data transfer and data governance does not exist. REDCap is lightweight, easy to deploy, and takes minimal resources. It’s a free for use platform, but it requires a hosting cost that is incurred by the institution. William’s presentation included a demonstration on REDCap’s orientation, creation of a new instrument from a data dictionary and online designer, user rights management, data export and analysis, and the REDCap audit trail.

**Upcoming CDC Health Information Innovation Consortium Forums**

Future dates for the consortium are scheduled for August 11 and November 17. The August 11 Forum will include two presentations. The first presentation is on *Early Hearing Detection & Intervention Interoperability Pilot Site* by Xidong Deng from the National Center on Birth Defects and Developmental Disabilities and Dina Dickerson, Senior Informaticist in the Early Hearing Detection and Intervention department at Oregon’s Health Authority. The second presentation is about the *EHR E-Surveillance Toolkit* led by Dave Ross and Jim Jellison from the Public Health Informatics Institute.

**General Discussion / Presentation Q&A**

**For the EIP Web Service project, how many programs are receiving data that you hope to replace?**

Right now, it’s supporting one program. We wanted to do the next generation of what we currently have right now.

**How is the decision made to restrict non-PII and do have plans to extend to PII data?**

Some PII data do come over. The way this project is stratified, all of the identifiers are in a separate part of the application and we have methods to deliver data to the web service that produce an XML file that excludes the identifiers for the doctors and most of the identifiers for the patients. It’s capable of using PII, but if you want to move different data through we would have to revisit the CNA, at least to get it recertified and that would probably be the case for anyone that wanted to use this for different data. Also, ITSO would want to take a look at what you’re trying to move through, even though the technology is certified. There’s nothing keeping us from moving PII other than the states are not willing to do it, yet. States are accustomed to having their PII data in one place and moving all of their data in its entirety – a total data dump. But we are moving toward having an incremental data dump.

**What do states need to put in place to utilize these web services for their systems?**

It’s a configurable, lightweight component that has to be installed on the client’s machine.

**For REDCap, does it support machine submission or is it always an investigator or data entry person entering data manually through the web interface or mobile app?**

Right now, the only machine level is data entry through Microsoft Excel. However, there are projects that we are investigating that take a lab feed and import it directly.

**Can you automate study ID creation?**

Yes, by default there’s one record identifier and that’s usually the study ID. However, REDCap gives you the ability to edit that capability.

**Is there an iOS option coming for the mobile app?**

I have not heard of an iOS version. They will publish the android version first, but I’m sure an iOS version will be forth coming.

**Items of interest**

* OPHSS-OD Public Health Advisor Position – May 13 [[link]](https://www.usajobs.gov/GetJob/ViewDetails/401950600)
* National Civic Day of Hacking – June 6 – @ThoughtWorks, Atlanta [[link]](http://hackforchange.org/about/)
* Coursera / Johns Hopkins Statistical Reasoning for Public Health 1: Estimation, Inference & Interpretation – June 1 – July 25 [[link]](https://www.coursera.org/course/statreasoning)
* Coursera / Johns Hopkins Statistical Reasoning for Public Health 2: Regression Methods– August 31 – October 24 [[link]](https://www.coursera.org/course/statreasoning2)
* SciComp Training – Cluster Computing, Linux, Git – every month @Roybal [[link]](http://info.biotech.cdc.gov/?page_id=236)
* US Digital Services Playbook [[link]](https://playbook.cio.gov/)

**Additional information**

If you would like to review other CHIIC projects visit the phConnect site on this link: <http://www.phconnect.org/group/chiic/page/surveillance-innovation-projects>

We invite you to share your ideas with the group on the phConnect CHIIC Community website, <http://www.phconnect.org/group/chiic>.

Please contact balee@cdc.gov to be added to the CHIIC distribution list and future communication.