

**CDC Health Information Innovation Consortium (CHIIC)**  
**May Forum Meeting Notes**

**Chamblee 106, 1A + Adobe Connect + Phone Bridge**  
**May 17, 2016, 10:00-11:00AM**

**Meeting Agenda**

**Agenda**

1. Introduction – Brian Lee – 10 minutes
2. Exploring Practice-Level Analytic Solutions for Smaller Health Care Practices that Support Population-Level Analytics – 20 minutes  
Million Hearts® actively works with clinicians to implement evidence-based strategies for improving cardiovascular disease prevention including using data to drive performance improvement. Some practices have been able to do this through dashboards or report cards but it can be very challenging for clinicians to access data from their EHRs and, subsequently, for public health to tap into clinical EHR data in a meaningful way for population health surveillance. There are population health management software solutions that exist to help fill the gap for practices without robust analytic capacity. We are creating comprehensive guidance that summarizes features and gaps for these types of products and provides evaluation criteria to inform additional assessment; this is needed as clinicians receive escalating pressure to deliver high-quality care and public health gets more involved with population health management.
3. Cloud Based Scalable Clinical Decision support (CDS): A Case Study – 20 minutes  
The goal of the Automated Clinical Decision Support Service (ACDS) project is to establish a cloud based, platform neutral, Clinical Decision Support (CDS) application that will be able to connect with multiple EMR systems and provide evidence based knowledge on demand. The proposed architecture of dissemination is needed for scalability and interoperability of such electronic health record based interventions. This presentation will showcase one such application and discuss how the public health community could leverage similar CDS applications in the future.
4. Discussion & Suggestions – 10 minutes

**Attendees**

The meeting was well attended – a total of ninety people attended in person (23) or via webinar (67). Attendance included people from various CDC CIO's, one organization, and two government entities: CGH, CSELS, NCBDDD, NCCDPHP, NCHHSTP, NCIPC, NCIRD, OADS, OCIO, OCOO, OID, OPHPR, OPHSS, OSTLTS, NCHS, NCEH/ADTSR,

NIOSH, CACI, the City of Chicago and HHS. Other participants attended the Adobe Connect session, but only their name was captured and not their location or organization.

### **Introduction – Brian Lee**

We are pleased to announce the awardees for the 2016 CDC Surveillance Strategy Innovation Project Portfolio. But first, we want to let you know that we received 22 proposals from nine centers across the agency addressing HealthIT and non-HealthIT challenges. This year, OPHSS is able to sponsor two projects for FY2016. The two awarded projects are:

1. A SMART App To Track And Report Stroke Cases To Reduce Readmissions - National Center for Chronic Disease Prevention and Health Promotion (NCCDPHP)
2. Innovative Surveillance and Assessment Techniques to Inform STD and HIV Prevention Action National Center for HIV/AIDS, Viral Hepatitis, STD, and TB Prevention (NCHHSTP)

There were two presentations as the focus during the May 17<sup>th</sup> session of the CHIIC Forum. The first presentation was a 2015 CDC Surveillance Strategy Innovation Project, Exploring Practice-Level Analytic Solutions for Smaller Health Care Practices that Support Population-Level Analytics presented by Hilary Wall in the National Center for Chronic Disease Prevention and Health Promotion (NCCDPHP) and Jim Jellison from the Public Health Informatics Institute (PHII). The second presentation was Cloud Based Scalable Clinical Decision support (CDS): A Case Study presented by Ninad Mishra in the National Center for HIV/AIDS, Viral Hepatitis, STD, and TB Prevention (NCHHSTP).

### **Presentation 1 - Exploring Practice-Level Analytic Solutions for Smaller Health Care Practices that Support Population-Level Analytics – Hilary Wall and Jim Jellison**

Hilary presented an overview of the Million Hearts initiative, which has the goal of preventing one million heart attacks and strokes by 2017. Their project included a collaboration with the Public Health Informatics Institute (PHII) and other federal government partners. This project wanted to fill the gap for clinical medicine and public health that are trying to figure out which population health management solution is the right one to help gain access to the data that is needed for population health. Population Health Management software solutions that are third party solutions that people use to tap into their electronic health record data. They were able to develop a tool to help small-or medium-sized ambulatory primary care practices, clinicians, and healthcare providers and public health agencies choose a population health management solution.

To view the presentation by Hilary Wall, [click here](#).

To view the presentation by Jim Jellison, [click here](#).

## **Presentation 2 - Cloud Based Scalable Clinical Decision support (CDS): A Case Study – Ninad Mishra**

Ninad presented an overview of the project and shared information on the technical infrastructure of the clinical service as well as showcased the integration of computerized logic in EMR systems resulting in a CDS intervention.

To view the presentation, click [here](#).

After the presentation, Ninad provided an open invitation for anyone interested in attending The Division of STD Prevention (DSTDP) Learning Hour, “Toward a Learning Health System – Transforming Care Through Improved Exchange of Data and Analytics” presented by Dr. Blackford Middleton. In this talk, Dr. Middleton will review current trends and efforts moving the US toward a Learning Health System.

The Learning Hour will take place May 26, 11:00-12:00pm at Corporate Square, Bldg. 8. Here are the login details:

### **For Participants:**

URL: <https://www.mymeetings.com/nc/join/>

Conference number: RW6588658

Audience passcode: 5208093

### **Participants can join the event directly at:**

<https://www.mymeetings.com/nc/join.php?i=RW6588658&p=5208093&t=c>

**Dial in number: (800) 857-5133**

## **Presentation 2 Q&A**

**[Marion Tseng - City of Chicago] Could you elaborate on the 3 phases of the project?**

[Ninad] Phase 1 with CHCs- hard wired knowledge management, phase 2 web service based knowledge management with Alliance (GE centricity), phase 3 with OSIS and OCHIN (NextGen and Epic respectively)

**[Marion Tseng - City of Chicago] How did you select the health centers to participate in the 3 phases respectively?**

[Ninad] We did not directly select any of them, we have cooperative agreement with National Association of CHCs and they help us find willing partners.

**[Marion Tseng - City of Chicago] What are your next steps and expected outcomes for phase 3?**

[Ninad] To see how much of processes deployed to work with Centricity can be replicated with Epic and NextGen. What would be the main challenges in standardization of such distributed knowledge management service.

**[Marion Tseng - City of Chicago] Do you follow up with the health centers/network to evaluate the impact of the clinical decision tools?**

[Ninad] Yes, but we wanted to make sure that the technology works first, and we don't directly go to process and outcome evaluation as research shows only a proper implementation of local CDS based on 5R would likely have an impact on the outcome. These are more intractable problems and we want to parse and tackle them on by one.

### **Items of interest**

- [Next Forum –August 16, 10-11amET](#) – Proof of Concept and Technology for Hosting Bio-Surveillance Systems in the Amazon Infrastructure Cloud by Yury Khudyakov and Seth Sims in the National Center for HIV/AIDS, Viral Hepatitis, STD, and TB Prevention.
- Places & Spaces: Mapping Science Exhibit at David J. Center CDC Museum through Jun 17 [\[link\]](#)
- 2016 Public Health Informatics Conference: August 21-24 [\[link\]](#)

If you would like to review other CHIIC projects visit the CHIIC site on this [link](#).

Please contact [chiic@cdc.gov](mailto:chiic@cdc.gov) to be added to the CHIIC distribution list and future communication.