



CDS Connect

CDS (Clinical Decision Support) Connect Work Group Meeting Summary

April 16, 2020

3:00-4:00 pm ET

Attendees: 52 people including 5 phone dial-ins (57 total)

Organization	Attendee Names
AHRQ Members	Ed Lomotan, Roland Gamache, Shafa Al-Showk (3)
Work Group (WG) Members	Maria Michaels (MM), Ryan Mullins, Randolph Barrows, Joe Bormel, Syed Sameemuddin, Andrey Soares (AS), Bill Lober, Kim Bryan, Dwayne Hoelscher, Julie Gervais, Linda Wedemeyer, Maggie Dorr, Preston Lee, Anthony (unidentified last name) (14) Chris d'Autremont, Edna Boone, Matt Storer, Rebecca Rasky, Rina Dhopeswarkar, Beatriz Rocha, Ruben Nazario, Sandra Zelman Lewis, Danny van Leeuwen, Joshua Richardson, Steve Johnson (11) Lisa Lang, Michael Wittie, Mustafa Ozkaynak, Jeremy (unidentified last name), Guest1, Patrick O'Connor, Alex Gerwer, Marc Sainvil, Bill Lober, Bryan Bagdasian, Ktx2(email) , Seth Wolpin, Frank M (unidentified last name) (13) 5 phone dial-ins (5)
MITRE CDS Connect Members	Eileen Chang, Matt Coarr, Lacy Fabian, Susan Haas, Chris Moesel, Noranda Brown, David Winters, Tom Read, Michelle Lenox, Dylan Mahalingam, John Boiney (11)

MEETING OBJECTIVES

- Presentation by Andrey Soares, Ph.D. (University of Colorado Anschutz Medical Campus): *A FHIR-Based CDS Sandbox*
- Share new features and resources available for CDS Connect
- Discuss topics of interest to members relating to opportunities for CDS Connect/HIMMS
- Closing

ACTION ITEMS

- No specific action items were raised during this WG meeting.



MEETING SUMMARY

Following roll call and review of agenda, a presentation by Andrey Soares, Ph.D., Assistant Professor at the University of Colorado School of Medicine, was shared with the Work Group members.

A FHIR-Based CDS Sandbox

Dr. Soares (University of Colorado, School of Medicine) presented his work, A FHIR-Based CDS Sandbox, that outlined the open-source CDS sandbox he developed using technologies and tools readily available to the community. His work highlighted three different CQL engines and a summary comparison of implementation characteristics. Dr. Soares also identified how the CDS authoring tool is integrated into University of Colorado nursing curriculum, as well as plans for disseminating the work at the American Medical Informatics Association annual meeting in 2020.

Discussion

- WG members expressed appreciation of seeing these types of design issues being explored, and that it was helpful to their own work.
- It was clarified during discussion that the result of this work (virtual machines with tools installed) can be downloaded from GitHub to enable a developer to set up a working environment in under an hour. This integration provides efficiency in development.
- Though not currently integrated with an electronic health record system, Epic, as the platform deployed in his organization's health care system, is the target of future efforts of this work.
- During the sandbox development process, it was helpful that the CDS Authoring Tool continued to evolve and import different files types. This import capability enabled writing more complex code. When asked, it was recommended that the CDS Authoring Tool continue to evolve to support native authoring with more complex logic, beyond the inclusion/exclusion and criteria.
- In response to a WG member question on which CQL engine had better performance, it was emphasized that the engines differ in how they manage patient data, so better performance is dependent on defining the goal of implementation of the CDS.

What's New with CDS Connect

The MITRE team shared information about updates and new features for the prototype tools, repository, authoring tool and artifacts.

Questions from Work Group (WG) Members

A WG member asked about how they can share their experience with CDS Connect work group members. The CDS Connect Project Team shared that they welcome WG members to contact the Lacy Fabian, Ph.D., Project Lead, at LFabian@mitre.org with their presentation requests, so the sharing of their lessons learned can be scheduled for a future work group meeting.



CDS Connect

Announcements / Other Questions

1. MM shared information on a timely podcast (*distanced.* by Sunil Rajaraman) which captures and shares the experiences of urban dwellers around the world as they practice social distancing during this time of the COVID-19 pandemic.

Closing