AGENCY FOR HEALTHCARE RESEARCH AND QUALITY

February 2020 CDS Connect Work Group Call

CDS Connect

Agenda

Schedule	Topic
• 3:00 – 3:02	• Roll Call, Lisa Ide (MITRE)
• 3:02 – 3:05	• Review of the Agenda, Maria Michaels (CDC)
• 3:05 – 3:40	• CDS Connect CPG-on-FHIR Design Review, Noranda Brown & David Winters (MITRE)
• 3:40– 3:50	• What's New with CDS Connect This Month (MITRE)
• 3:50 – 4:00	• Open Discussion and Close Out, Maria Michaels (CDC) • Open discussion and announcements • Concluding comments, review next steps and adjourn

Objectives

- Share new features and resources available for CDS Connect
- Review the CDS Connect CPG-on-FHIR Design Changes
- Share lessons learned for use of the CDS Connect
- Discuss topics of interest to members relating to opportunities for CDS Connect

CDS CONNECT CPG-ON-FHIR DESIGN REVIEW

Noranda Brown, MITRE

David Winters, MITRE

Introduction

- During the January work group FHIR Clinical Guidelines (a.k.a. Clinical Practice Guidelines (CPG) on FHIR) was discussed
  - ▶ Background on evolution from CDC-sponsored Adapting Clinical Guidelines for the Digital Age initiative
  - ▶ Comparison between CPG-on-FHIR and CDS Connect representations of clinical decision support (CDS) metadata
  - ▶ Proposal for CDS Connect to more tightly align with CPG-on-FHIR
- During this work group meeting we will be providing a design demonstration which illustrates tighter alignment
  - ▶ Seeking and welcoming work group member feedback on this design

Design Objectives

- Multiple knowledge levels of the same CDS should be able to coexist together at different levels of maturity
  - ► E.g., have an L2 version that has been reviewed and approved and an L3 version which is draft and marked as experimental
- Artifact metadata should be restructured to align with CPG-on-FHIR and to improve usability
  - ► It should be clear to users where to find specific information on an artifact
  - ► It should be clear to users when an artifact does not contain a certain kind of information (e.g., file attachments)
- User help/documentation should be improved
  - ► E.g., tooltips, links to CPG-on-FHIR metadata definitions

Design Walkthrough

- Please hold questions until the end (see next slide)

Discussion

- Everyone is encouraged to:
  - ► Ask questions for clarification
  - ► Provide general design feedback, at any level
  - ► Share other considerations from your perspective

WHAT'S NEW WITH CDS CONNECT

David Winters and Chris Moesel, MITRE

Updates and New Features

- Prototype Tools
  - ► [CQL Testing Framework](#)
    - Version 1.2.1: Adds FHIR R4 support
    - Version 2.0.0 (not backwards compatible): Allows users to select CQL version 1.3.x or 1.4.x
  - ► [Pain Management Summary App](#)
    - Version 0.2.0/0.2.1: Adds FHIR R4 support, Section 508 compliance, and maintenance improvements
- Repository
  - ► [Application Programming Interface](#)
    - Resolves issue with input NULL values and improves support for PATCH requests
  - ► Added tooltips to all artifact metadata fields
  - ► Updated artifact knowledge level graphic
- Authoring Tool
  - ► Fixed rendering issue with Internet Explorer and Microsoft Edge
  - ► Redirect old user guide link to documentation page
- Artifacts
  - ► [CMS's Million Hearts® Model Longitudinal ASCVD Risk Assessment Tool for Shared Decision Making](#)
  - ► [CMS's Million Hearts® Model Longitudinal ASCVD Risk Assessment Tool for Updated 10-Year ASCVD Risk](#)
    - Updated Implementation Guide and metadata

Link to CDS Connect: https://cds.ahrq.gov/cdsconnect

ANNOUNCEMENTS, OPEN DISCUSSION AND CLOSE-OUT

Maria Michaels

Office of Public Health Scientific Services

Centers for Disease Control and Prevention

Announcements

- CDS Connect Work Group meetings will now take place from 3:00 – 4:00pm EST to accommodate members' conflicting obligations.
- CDS Connect will be at HIMSS March 2020—Come Visit Us!
  - ► AHRQ digital Healthcare Research Findings and Impact
    - − Shafa Al-Showk, MPH, CHES
    - − Federal Health Pavilion, Theater
    - − Tuesday, March 10—2:45-3:05PM
  - ► Using CDS to Expedite Evidence into Practice
    - − Roland Gamache, PhD, MBA, FAMIA
    - − Federal Health Pavilion, Theater
    - − Wednesday, March 11—2:45-3:05PM
  - ► Resources on HL7 FHIR
    - − Featuring CDS Connect, Inferno, PACIO, Synthea
    - − Interoperability Marketplace, Exhibit Hall, Booth 8300
    - − Tuesday, March 10 – Thursday, March 12
  - ► Supporting SEAMLESS CARE for Veterans
    - − Pain Management Summary SMART app proof-of concept for PDMP prescription data, plus Veteran personal health plans
    - − Interoperability Showcase
    - − Tuesday, March 10 – Thursday, March 12