**HL7 CDS WG Conference Call**

**5 Sep 2018, noon US ET**

**Attendees:**

[ ] Denisha Abrams

[ ] Tomasz Adamusiak

[ ] Kurt Allen

[ ] Brian Alper

[ ] Rita Altamore

[ ] Michael Altmann

[ ] Joel Amoussou

[X] Lisa Anderson

[ ] Chad Armstrong

[ ] Noam Arzt

[X] Rebecca Baker

[ ] Kimberly Balliet

[ ] Jennifer Barrett

[ ] Cynthia Barton

[ ] Bilal Baydoun

[ ] Louis Bedor

[ ] Anna Bentler

[ ] Swapna Bhatia

[ ] Jaspreet Birk

[ ] Bridget Blake

[ ] Mike Bohl

[ ] Chris Bontempi

[ ] Keith Boone

[ ] Joe Bormel

[X] Aziz Boxwala

[ ] Richard Boyce

[ ] Thompson Boyd

[ ] Bruce Bray

[ ] Jennifer Brush

[ ] Yiscah Bracha

[ ] Jennifer Brush

[ ] Russell Buchanan

[ ] Nathan Bunker

[ ] Anna Burchfield

[ ] Susan Campbell

[ ] Hector Cariello

[ ] Bob Carmichael

[ ] Lizzie Charbonneau

[ ] Daryl Chertcoff

[ ] Julia Chan

[ ] Quinn Chen

[ ] Myung Choi

[ ] Alex Connor

[ ] Lorraine Constable

[ ] Sarah Corley

[ ] Angela Crovetti

[ ] Jacob Crump

[ ] Clayton Curtis

[ ] Nathan Davis

[X] Guilherme Del Fiol

[ ] John C. DeLong

[X] Paul Denning

[ ] Gay Dolin

[ ] Karen Eberhardt

[X] Floyd Eisenberg

[ ] Richard Esmond

[ ] Maria Esquela

[ ] Elitsa Evans

[ ] Seena Farzaneh

[ ] Pavla Frazier

[ ] Robert Freimuth

[ ] Emory Fry

[ ] Krishna Gazula

[ ] Guy Ginton

[ ] Carol Graham

[ ] Matthew Greene

[ ] Michael Guarnaccia

[ ] Varadraj Gurupur

[ ] Marc Hadley

[ ] Shirin Haider-Zaidi

[ ] Claudia Hall

[ ] Steven Hardy

[ ] Peter Haug

[ ] Yan Heras

[X] Bas van den Heuvel

[ ] Lindsey Hoggle

[ ] Yanyan Hu

[ ] Stan Huff

[ ] Steve Hufnagel

[ ] Vojtech Huser

[ ] Bob Hussey

[ ] Andrew Iskander

[ ] Jesse James

[ ] Lenel James

[ ] Robert Jenders

[ ] Allen Johnson

[X] Chris Johnson

[ ] Ken Kawamoto

[ ] Rosemary Kennedy

[ ] Lester Keeper

[ ] Jae Kim

[ ] Bill Kleinebecker

[ ] Stephanie Klepacki

[ ] Paul Knapp

[ ] Ryan Knepp

[ ] Mark Kramer

[ ] Adam Kroetsch

[X] Thomson Kuhn

[ ] Polina Kukhareva

[ ] Tammy Kuschel (LaFavor)

[ ] Sweta Ladwa

[ ] Peter Lamb

[ ] Robert Lario

[ ] Cindy Larson

[ ] Eric Larson

[ ] Oliver Lawless

[ ] Preston Lee

[ ] Victor Lee

[ ] David Lobach

[ ] Bill Lord

[ ] Genny Luensman

[ ] Rick Maguire

[ ] Josh Mandel

[ ] Chris Markle

[ ] Stacey Marovich

[ ] Brett Marquard

[ ] Jason Mathews

[ ] Christy May

[ ] Jim May

[] Zachary May

[ ] Henry Mayers

[ ] Rob McClure

[ ] Ashley McCrea

[ ] Lloyd McKenzie

[ ] Clem McDonald

[ ] Charlie Mead

[ ] Chris Melo

[ ] William Michaels

[ ] Linda Michaelson

[ ] Chris Millet

[ ] Maiko Minami

[ ] Bernadette Minton

[ ] Sue Mitchell

[X] Chris Moesel

[ ] Khadija Mohamed

[ ] Mark Monterastelli

[ ] Alicia Morton

[ ] Raj Muthukkannan

[X] Claude Nanjo

[ ] Lisa Nelson

[ ] Jared Nichols

[ ] Tom Oniki

[ ] M’Lynda Owens

[ ] Varsha Parekh

[ ] Jamie Parker

[ ] Birju Patel

[ ] Reshma Patel

[ ] Branis Pesich

[ ] Anne Pollock

[ ] Dennis Polling

[ ] Vadim Polyakov

[ ] Diana L. Proud-Madruga

[ ] Chris Pugliese

[ ] Joseph (Joe) Quinn

[ ] Divya Raghavachari

[ ] Nadia Ramey

[ ] Stan Rankins

[ ] Lori Reed-Fourquet

[X] Thomas Reese

[X] Bryn Rhodes

[ ] Virginia Riehl

[ ] Mark Roche

[ ] Salvador Rodriguez

[ ] Martin Rosner

[ ] Juliet Rubini

[ ] Sarah Ryan

[ ] Deidre Sacra

[ ] Brian Scheller

[ ] Julie Scherer

[ ] Chris Schuler

[ ] Rayna Scott

[ ] Atanu Sen

[ ] Mark Shafarman

[ ] David Shields

[ ] Andrew Simms

[ ] Julia Skapik

[ ] Andrey Soares

[ ] Sharon Solomon

[ ] Davide Sottara

[ ] Travis Stenerson

[ ] Michael Sterly

[ ] Greg Stevens

[ ] Eileen Storey

[X] Howard Strasberg

[ ] Lee Surprenant

[ ] Ashley Swain

[ ] Elaine Taylor

[ ] Rob Thomas

[ ] Aldo Tinoco

[ ] Sarah Tonn

[ ] Rita Torkzadeh

[ ] Bas van den Heuvel

[ ] Matt Varghese

[ ] Viet Nguyen

[ ] Serafina Versaggi

[ ] Isaac Vetter

[ ] Mary Visceglia

[ ] Kavishwar (Kavi) Wagholikar

[ ] Jason Walonski

[ ] Yunwei Wang

[X] Phillip Warner

[ ] Adam Wendt

[ ] Ben West

[ ] Robin Williams

[ ] Missy Willoughby

[ ] Darrell Woelk

[ ] Tyler Woelk

[ ] Cathy Welsh

[ ] Su-Hsiu Wu

[ ] Patrick Yep

[ ] Julia Xu

[ ] Shirin Zaidi

[ ] Ning Zh

[ ] Andrew McIntyre

[ ] Tatyana Sandler

[ ] Richard Plow

[ ] Peter Scott

[ ] Srikarthikeyan Dritharashtrar

[ ] Kathleen Connor

[ ] Elizabeth Fitzwater

[ ] Kevin Shekleton

[ ] Ilkka Kunnamo

[ ] Andy Gregorowicz

[ ] Kevin Olbrich

[ ] Saurav Chowdhury

[X] Charles Lamb

**Minutes:**

1. CQL publication Request - Bryn Rhodes
   * Bryn moves / Lorraine seconds - 13/0/0
2. CDS Hooks “App Button”
   * Proposal to use the Infobutton Standard to retrieve SMART on FHIR apps
   * URL-based spec returns HTML – how would the client distinguish SMART on FHIR app links vs. regular content resources in HTML and other formats? Alternatives discussed:
     1. Custom tags in HTML5 – e.g., <app-link href=””>
     2. Use the infobutton SOA spec – indicate that MIME type of the response is a SMART on FHIR app.
     3. Use CSS classes
     4. Prefix SMART on FHIR URLs with a different “protocol” than “http”.
     5. Howard, Aziz, and Guilherme will do more research offline about possible approaches.
     6. Continue discussion next week.
3. ISA review – due Sep 13th - I'll put together a recommended update based on this and send to the co-chairs for review.

<https://www.healthit.gov/isa/sharable-clinical-decision-support>

1. Update CQL
   1. link to <http://cql.hl7.org/STU2>
   2. title to HL7 Cross-Paradigm Specification, Clinical Quality Language, Release 1, STU 2
   3. update Adoption Level to 3
2. Add CQL STU3
   1. link to <http://cql.hl7.org/STU3>
   2. title to HL7 Cross-Paradigm Specification, Clinical Quality Language, Release 1, STU 3
   3. Adoption Level to 2
3. Update QICore DSTU Release 1
   1. link to <http://hl7.org/fhir/us/qicore>
   2. title to HL7 FHIR Profile: Quality Improvement Core (QI Core), Release 1, STU 3
   3. Adoption Level to 2
4. Remove HL7 FHIR Implementation Guide: Clinical Quality Framework (CQF on FHIR)
5. Remove HL7 FHIR Profiles: Quality Improvement Core (QI Core), Release 2
6. Update HL7 Fast Healthcare Interoperability Resources (FHIR) Clinical Reasoning STU Release 3
   1. Change Emerging Implementation Specification to Standard?
   2. Change link to <http://hl7.org/fhir/clinicalreasoning-module.html>
   3. Change Adoption Level to 2

<https://www.healthit.gov/isa/providing-patient-specific-assessments-and-recommendations-based-patient-data-clinical-decision>

1. Remove FHIR Clinical Reasoning - Add CDS Hooks

<https://www.healthit.gov/isa/retrieval-contextually-relevant-patient-specific-knowledge-resources-within-clinical-information>

1. Section header should say "Questions Raised by Clinicians" rather than by Patients (patient education is in a different section)
2. Should update adoption level of the Standard to 4 (at least as high as the implementations of the standard)

<https://www.healthit.gov/isa/a-standard-mechanism-clinical-information-systems-request-context-specific-clinical-knowledge>

1. Should update the title (it's switched with the previous item)
2. Should update level of URL-based implementation to 4

**Agenda for next week – Sep 12th noon ET**:

1. Finalize CDS agenda for Sep WGM
2. CDS Hooks “App Button”