

# 2020-08-05 Burden Reduction (CRD/DTR/PAS) Implementer Support (formerly DTR) Meeting

Chair: [Larry Decelles](#)

Scribe: [Dana Marcelonis](#)

## Attendees

Present	Name	Affiliation
<input type="checkbox"/>	<a href="#">Nalini Ambrose</a>	Mitre
<input type="checkbox"/>	George Bier	Optum
<input type="checkbox"/>	<a href="#">Tony Benson</a>	BCBS AL
<input type="checkbox"/>	<a href="#">Michael Brady</a>	Rush
<input type="checkbox"/>	Matthew Byrne	Optum
<input type="checkbox"/>	<a href="#">Modi Boutrs</a>	Rush
<input type="checkbox"/>	<a href="#">Hans Buitendijk</a>	Cerner
<input type="checkbox"/>	<a href="#">Chris Cioffi</a>	Anthem
<input type="checkbox"/>	<a href="#">Jeffrey Danford</a>	Allscripts
<input type="checkbox"/>	<a href="#">Jeremy Davis</a> Davis	InterSystems
<input type="checkbox"/>	<a href="#">Stephen Dean</a>	Allscripts
<input type="checkbox"/>	<a href="#">Larry Decelles</a>	Mitre
<input type="checkbox"/>	<a href="#">David DeGandi</a>	Cambia Health

<input type="checkbox"/>	Raymond Delano	Cerner
<input checked="" type="checkbox"/>	Robert Dieterle	Enable Care
<input type="checkbox"/>	Kristen Edsall	Optum
<input type="checkbox"/>	Richard Ettema	Aegis
<input type="checkbox"/>	Beth Galt-Salsamendi	BCBS FL
<input type="checkbox"/>	Daniel Gottlieb	InterSystems
<input type="checkbox"/>	Christol Green	Anthem
<input type="checkbox"/>	Andy Gregorowicz	Mitre
<input type="checkbox"/>	Kenneth Hall Hall	Allscripts
<input type="checkbox"/>	Roxanne Hanson	Optum
<input type="checkbox"/>	Jackie Hardison	Humana
<input type="checkbox"/>	Patrick Haren	Cigna
<input type="checkbox"/>	Claudia Hartman	Highmark Health
<input type="checkbox"/>	Mark Hingham	Anthem
<input type="checkbox"/>	Wendy Hofner	Optum
<input type="checkbox"/>	Sheljina Ibrahim Kutty	Anthem
<input type="checkbox"/>	Emma Jones	Allscripts
<input type="checkbox"/>	Jocelyn Keegan	Point of Care Partners

<input type="checkbox"/>	Geeta Krishnan	Edifecs
<input type="checkbox"/>	Patrick LaRocque	Mitre
<input type="checkbox"/>	Russell Leftwich	InterSystems
<input type="checkbox"/>	Alberto S. Llanes	Anthem
<input type="checkbox"/>	Tso Luke	Optum
<input type="checkbox"/>	Dana Marcelonis	Point of Care Partners
<input type="checkbox"/>	Timothy McCrimmon	Optum
<input type="checkbox"/>	Mary Kay McDaniel	Cognosante
<input type="checkbox"/>	Linda Michaelson	Optum
<input type="checkbox"/>	Patrick Murta	Humana
<input checked="" type="checkbox"/>	Viet Nguyen	Stratametrics
<input type="checkbox"/>	Henry Pham	Casenet
<input type="checkbox"/>	Unknown User (rpena2)	Allscripts
<input type="checkbox"/>	Nick Radov	Optum
<input type="checkbox"/>	John Romza	Optum
<input type="checkbox"/>	Lynda Rowe	InterSystems
<input type="checkbox"/>	C Simeone	Optum
<input type="checkbox"/>	Jeanie Smith	BCBS FL

<input type="checkbox"/>	Julie Smith	InterSystems
<input type="checkbox"/>	Grace Stambaugh	Veradigm
<input type="checkbox"/>	Ashley Stedding	CMS
<input type="checkbox"/>	Jay Taylor	Casenet
<input type="checkbox"/>	Tiffany Welch	Independence Blue Cross
<input type="checkbox"/>	Karen L. Zapata	Anthem
<input checked="" type="checkbox"/>	Gary Dickinson	CentriHealth
<input type="checkbox"/>	Henry Pham	CaseNet
<input type="checkbox"/>	India Duncan	Optum
<input type="checkbox"/>	Jason Cassidy	
<input type="checkbox"/>	Joseph Quinn	Optum
<input checked="" type="checkbox"/>	Lloyd McKenzie	Gevity
<input type="checkbox"/>	Tracy McCutcheon	KPMG
<input type="checkbox"/>	Rashmi Menon	KMHP
<input type="checkbox"/>	Mario Jarrin	Change healthcare
<input type="checkbox"/>	Luis Maas	
<input type="checkbox"/>	Terrence Cunningham	AMA
<input type="checkbox"/>	Ann Gallagher	Optum

<input type="checkbox"/>	Megan Smith-Hallingshead	Regence
<input type="checkbox"/>	Holly Weeks	Regence
<input type="checkbox"/>	Anthony Smith	UNC Health
<input type="checkbox"/>	Sonja Ziegler	Optum
<input type="checkbox"/>	John Moehrke	
<input type="checkbox"/>	Unknown User (estonner)	
<input type="checkbox"/>	Jennifer Joe	
<input type="checkbox"/>	Diann Smith	Texas Health
<input type="checkbox"/>	Kathleen Connor	
<input type="checkbox"/>	Jeff Brown	Cigna
<input type="checkbox"/>	Laurie Woodrome	Labcorp
<input checked="" type="checkbox"/>	Jay Johnstone	Cigna
<input type="checkbox"/>	Matt Dyer	Vyne
<input type="checkbox"/>	Paul Knapp	
<input type="checkbox"/>	Barbara Kramer-Zarins	MITRE
<input type="checkbox"/>	Sai Tumuluru	Centene
<input type="checkbox"/>	Barbara Wood	PNC
<input type="checkbox"/>	Greta Honeycutt	CoverMyMeds

<input type="checkbox"/>	<a href="#">Lenel James</a>	BCBSA
<input type="checkbox"/>	<a href="#">Reed Gelzer</a>	
<input type="checkbox"/>	<a href="#">Yunwei Wang</a>	MITRE
<input type="checkbox"/>	Keya Shah	Casenet
<input type="checkbox"/>	Rich Bloch	
<input type="checkbox"/>	<a href="#">John Donnelly</a>	Interpro
<input type="checkbox"/>	Lauri Shock	
<input type="checkbox"/>	Andrew Johnson	National Decision Support
<input checked="" type="checkbox"/>	<a href="#">Benjamin Langley</a>	MITRE
<input type="checkbox"/>	Mark Fleming	Change Healthcare
<input checked="" type="checkbox"/>	<a href="#">Mrugen Mehta</a>	eClinicalWorks
<input type="checkbox"/>	Prathima	
<input type="checkbox"/>	<a href="#">Rachel E. Foerster</a>	Rachel Foerster & Associates
<input checked="" type="checkbox"/>	Heather McComas	AMA
<input checked="" type="checkbox"/>	Megan Riley	MITRE
<input type="checkbox"/>	Summer Duman	Regence
<input type="checkbox"/>	Michelle Barry	Availity
<input type="checkbox"/>	Chris Cera	

<input type="checkbox"/>	Michael Fasulo	Regence
<input type="checkbox"/>	Melanie Combs-Dyer	Mettle
<input type="checkbox"/>	Lauree Marshall	
<input type="checkbox"/>	Uma Kandasamy	
<input type="checkbox"/>	Mina Rasis	Express Scripts
<input type="checkbox"/>	Harmanpreet Singh	

Present	Name	Affiliation
<input checked="" type="checkbox"/>	Peter Muir	ESAC
<input type="checkbox"/>	Rachel E. Foerster	
<input type="checkbox"/>	Ryanne Laurence	OHSU
<input checked="" type="checkbox"/>	Serafina Versaggi	
<input type="checkbox"/>	Cole Springate-Combs	Mitre
<input type="checkbox"/>	Susan Billet	CMS
<input type="checkbox"/>	Barbara Antuna	Aim Specialty Health
<input type="checkbox"/>	Christy Dodson	MCG
<input type="checkbox"/>	Jim Taylor	Tibco
<input type="checkbox"/>	Laurie Burckhardt	
<input type="checkbox"/>	Rajesh Godavarthi	

<input type="checkbox"/>	Santosh	
<input type="checkbox"/>	Tom Hartman	
<input type="checkbox"/>	Tori Willows	Wellcare
<input type="checkbox"/>	Alise Widmer	Lumeris
<input type="checkbox"/>	Bart Carlson	Azuba
<input type="checkbox"/>	David Bruinsma	Colonial Med
<input type="checkbox"/>	Deepthi Reddy	Mettle Solutions
<input type="checkbox"/>	Danny Brennan	MA Health Data
<input type="checkbox"/>	Patrick Edwards	
<input type="checkbox"/>	Gay Dolin	
<input type="checkbox"/>	Jodie Zellerhoff	Cambia Health
<input type="checkbox"/>	Lorraine Doo	CMS
<input type="checkbox"/>	Pallavi Talekar	Scope Info Tech
<input type="checkbox"/>	Rajesh Garlapati	Rush
<input type="checkbox"/>	Susan Bellile	Availity
<input checked="" type="checkbox"/>	Susan Langford	BCBST
<input type="checkbox"/>	Ralph Saint-Phard	
<input type="checkbox"/>	Kristi Cushman	OHSU



<input type="checkbox"/>	Briana Barnes	Scope Info Tech
<input type="checkbox"/>	Didi Davis	Sequoia Project
<input checked="" type="checkbox"/>	Sreekanth Puram	Mettle Solutions
<input type="checkbox"/>	Duane Walker	BCBSM
<input type="checkbox"/>	EMDI Team	
<input type="checkbox"/>	David Hill	Mitre
<input type="checkbox"/>	<a href="#">Kevin Lambert</a>	BCBS AL
<input type="checkbox"/>	Nandini Ganguly	EMDI
<input type="checkbox"/>	<a href="#">Rachel E. Foerster</a>	
<input type="checkbox"/>	Rajesh Godavarthi	MCG Health
<input type="checkbox"/>	Rim Cothren	
<input type="checkbox"/>	Donna Campbell	BCBSIL
<input type="checkbox"/>	Joanna Gaskill	Lumeris
<input type="checkbox"/>	<a href="#">Lindee Chin</a>	Edifecs
<input type="checkbox"/>	Michael Cabral	CMS
<input type="checkbox"/>	Sudhir Nair	Anthem
<input type="checkbox"/>	Saul Karavitz	Mitre
<input type="checkbox"/>	Dawn Perreault	BCBSM

<input type="checkbox"/>	Brent Woodman	BCBSM
<input type="checkbox"/>	Yolanda Villanova	CMS
<input type="checkbox"/>	Deryl Lam	
<input type="checkbox"/>	<a href="#">John Kelly</a>	Edifecs
<input type="checkbox"/>	Karen Tott	CMS
<input type="checkbox"/>	<a href="#">Keyyan Ghoreshi</a>	MITRE
<input type="checkbox"/>	<a href="#">Luis Sayago</a>	Dacarba
<input type="checkbox"/>	<a href="#">Michael Flanigan</a>	Carradora
<input type="checkbox"/>	Rachel Goldstein	
<input type="checkbox"/>	Ric Light	Humana
<input type="checkbox"/>	<a href="#">Rohit Shinde</a>	eClinicalWorks
<input type="checkbox"/>	<a href="#">Seth Paradis</a>	Healow
<input type="checkbox"/>	Wanda Govan-Jenkins	HHS
<input type="checkbox"/>	Cindy Monarch	BCBSM
<input type="checkbox"/>	Edward Yurcisin	
<input type="checkbox"/>	<a href="#">Frank Hone</a>	Humana
<input type="checkbox"/>	Hibah Qudsi	Mitre
<input type="checkbox"/>	Nancy Spector	AMA

<input type="checkbox"/>	Patrick Leblanc	
<input type="checkbox"/>	Anupam Thakur	BCBSFL
<input checked="" type="checkbox"/>	<a href="#">Sreenivas Mallipeddi</a>	MCG
<input type="checkbox"/>	Chris Klesges	Mitre
<input type="checkbox"/>	<a href="#">Michael Gould</a>	BCBSA
<input type="checkbox"/>	<a href="#">Gregory Magazu</a>	CaseNet
<input type="checkbox"/>	<a href="#">Isaac Vetter</a>	Epic
<input type="checkbox"/>	Kat Ruiz	UNC Health
<input type="checkbox"/>	Laura Bright	
<input type="checkbox"/>	<a href="#">Nancy Beavin</a>	Humana
<input type="checkbox"/>	Roland Gamache	
<input type="checkbox"/>	Katherine Lusk	Childrens
<input type="checkbox"/>	<a href="#">Brandon Raab</a>	Anthem
<input type="checkbox"/>	<a href="#">Reed D. Gelzer</a>	
<input type="checkbox"/>	Chris Johnson	BCBS AL
<input type="checkbox"/>	Jim Adamson	Arkansas Blue Cross
<input type="checkbox"/>	Carry Denny	
<input type="checkbox"/>	<a href="#">Corey Spears</a>	Infor

<input type="checkbox"/>	<a href="#">Karen Iapoce</a>	
<input type="checkbox"/>	Anna Meisheid	CMS
<input checked="" type="checkbox"/>	Celine Lefebvre	AMA
<input type="checkbox"/>	Eshaa Dhall	eClinicalWorks
<input type="checkbox"/>	<a href="#">Evan Currie</a>	BCBSM
<input type="checkbox"/>	<a href="#">Unknown User (harvey_kuang)</a>	Express Scripts
<input type="checkbox"/>	Sandhya	
<input type="checkbox"/>	Christopher Gracon	Independent Health
<input type="checkbox"/>	Candice Titus	Crisp Health
<input type="checkbox"/>	Mariana Singh	CAQH
<input type="checkbox"/>	<a href="#">Troy Bergstrand</a>	BC Idaho
<input checked="" type="checkbox"/>	Shilesh Nair	Gdit
<input type="checkbox"/>	<a href="#">Kensaku Kawamoto</a>	
<input type="checkbox"/>	<a href="#">Jason Teeple</a>	
<input type="checkbox"/>	<a href="#">Vipul Kashyap</a>	
<input type="checkbox"/>	<a href="#">Srinivas Posinasetty</a>	UHC
<input type="checkbox"/>	Tammy Banks	Providence St. Joseph
<input type="checkbox"/>	Bob Harrington	Allscripts

<input checked="" type="checkbox"/>	Vishnu	
<input type="checkbox"/>	Danielle	Sutter Health
<input checked="" type="checkbox"/>	<a href="#">Gary P. Gryan</a>	MITRE
<input type="checkbox"/>	Sonya May	Optum
<input type="checkbox"/>	Molly Malavey	AMA
<input type="checkbox"/>	<a href="#">Amit Shah</a>	Guidewell
<input type="checkbox"/>	Angela Bublik	Regence
<input checked="" type="checkbox"/>	<a href="#">Mona Chandrapal</a>	eClinicalWorks
<input type="checkbox"/>	<a href="#">Anupam Goel</a>	Advocate Health
<input type="checkbox"/>	Arsal Hussaini	Accenture
<input type="checkbox"/>	Allen Saunders	
<input type="checkbox"/>	Steve Ruszkowski	
<input type="checkbox"/>	<a href="#">Zachary Fjeldheim</a>	
<input type="checkbox"/>	Beth Connor	
<input checked="" type="checkbox"/>	Thomas Kessler	CMS
<input checked="" type="checkbox"/>	Daniel C	


**Create Decision from template**

Minutes Approved as Presented



**i** This is to approve minutes via general consent. "You have received the minutes. Are there any corrections to the minutes? (pause) Hearing none, if there are no objections, the minutes are approved as printed."

## Agenda Topics

Agenda Outline	Agenda Item	Meeting Minutes from Discussion	Decision Link(if not child)
Management	Review ANSI Anti-Trust Policy	 <p style="text-align: center;"><b>Interim Antitrust Policy</b></p> <p><b>ANSI Antitrust Policy</b></p> <ul style="list-style-type: none"> <li>ANSI neither develops standards nor conducts certification programs but instead accredits standards developers and certification bodies under programs requiring adherence to principles of openness, voluntariness, due process and non-discrimination. ANSI, therefore, brings significant, procompetitive benefits to the standards and conformity assessment community.</li> <li>ANSI nevertheless recognizes that it must not be a vehicle for individuals or organizations to reach unlawful agreements regarding prices, terms of sale, customers, or markets or engage in other aspects of anti-competitive behavior. ANSI's policy, therefore, is to take all appropriate measures to comply with U.S. antitrust laws and foreign competition laws and ANSI expects the same from its members and volunteers when acting on behalf of ANSI.</li> <li>Approved by the ANSI Board of Directors May 22, 2014</li> </ul>	
	Links	<p><b>DTR IG:</b> <a href="http://hl7.org/fhir/us/davinci-dtr/2019May/">http://hl7.org/fhir/us/davinci-dtr/2019May/</a></p> <p><b>Reference Implementation:</b> <a href="https://github.com/HL7-DaVinci/dtr">https://github.com/HL7-DaVinci/dtr</a></p>	
	Reminder: Call Structure & Name Changes	<ol style="list-style-type: none"> <li>Burden Reduction (CRD/DTR/PAS) Implementer Support Call - Wednesday, DTR time slot (11at ET)</li> <li>Burden Reduction (CRD/DTR/PAS) Supplemental Examples Call - Friday, PAS time slot (3pm ET)</li> <li>Burden Reduction (CRD/DTR/PAS) IG Updates/Future Requirements - call to be scheduled, Mondays at 1pm ET</li> </ol>	
	HL7 Patient Access API Testing Event - Aug 17-19	<p><a href="#">2020-08 Patient Access API Testing Event</a></p>	
	HL7 FHIR Connectathon - Sept 9-11	<p><a href="#">2020-09 Connectathon 25</a></p> <p><a href="#">2020-09 Da Vinci CRD / DTR / PAS</a></p> <ul style="list-style-type: none"> <li>Kick-off planned for next week once we have more details regarding the tool being used during the event</li> </ul>	
	Implementer Questions (CRD/DTR/PAS)		

- Launch parameters
  - Submitted change request to CDS Hooks to better expose mechanism (not currently well documented)
  - When you pass back CARD intended to launch SMART app, mechanism to provide an extra parameter
    - Parameter gets communicated to auth service, which then passes it along as part of authentication process to SMART on FHIR app
    - JSON can contain anything - app context
    - Could include JWT, could include same info that was used to launch the hook, etc.
    - CRD spec doesn't specify what needs to be in there because it's specific to the SMART app
  - If we have generic SMART apps, what would it need - not payer specific
    - Hook service needs to know what the app wants; hook service will be 'tuned' to specific app
    - Specific SMART app and generic SMART app would need same thing - define what we want in the apps to test out in Connectathon and get it into spec?
  - **Need to pass the following info:**
    - Context passed to CDS endpoint
    - Access token/ JWT
    - URL to go get data (CQL, Questionnaire)
    - **Need to create an example of what the above would look like in the JSON/payload**
  - Assumptions:
    - Payers talking to multiple EHRs with their own capabilities - need to standardize interaction
    - Developers of the app and service not communicating necessarily
    - Providers could choose to work with 'generic' SMART app that interacts with multiple different payers
  - Can't use a CARD to launch a native capability (e.g., application module) with CDS Hooks
  - Payer does not necessarily know what SMART app is being launched?
    - They have to
    - This changes paradigm of 'generic' app
    - No ability to pass back CARD that says launch 'some' app and you don't know which one
  - **Connectathon - need to test:**
    - Test app launch context components and structure
      - Test that we can pass the context, access token, and URL
    - Payer CDS service pass back CARD with a URL that 'somehow' indicates specific SMART app OR launch whatever your generic functionality is
  - **Need to add 'floor' model in the CRD IG**
    - Need to submit a JIRA ticket - [Robert Dieterle](#)
    - [Lloyd McKenzie](#) will add to CRD spec by end of week
  - Need to figure out how to do the app launch - URL translations in EHR?
  - When invoking hook service, EHR could declare they have a generic app in advance and provide launch URL for that app
    - EHR would need to add custom extension to launch
    - Hook service shouldn't care what kind of apps could be launched
- Post Sree's list of questions to Confluence
- Guidance on CQL/ how it is evaluated - can implementer choose not to implement CQL?
  - Do we want to leave it to app to decide how to execute/evaluate, or provide more guidance?
  - Several approaches:
    - EHR might have CQL evaluation engine locally
    - Launch within application via Javascript to run CQL
      - Can be slow
    - Application could have CQL evaluation API or someone could provide the API
      - Disadvantage - network traffic (back and forth between EHR prior to doing the evaluation)
  - Good option to have it local to application
  - Depending on how CQL is written, could call on other libraries
    - App would have to embed all the CQL scripts or access via CQL evaluation engine to other libraries needed to execute
    - Data Requirements in FHIR Library resource
      - Is this mandatory?
      - MITRE RI has defined these Data Requirements - instead of making FHIR calls during evaluation stage, doing it as pre-fetch
      - If using CQL service, this will be an issue
      - If we don't make it mandatory, just need to check that implementations work on Javascript side
      - [Sreekanth Puram](#) to write up options that we can test
  - Generic app would need access to CQL evaluation engine and all the value sets - how to make available?
  - Specific apps - evaluation services, libraries, etc. - app would define for itself
  - DEQM - CQF Ruler with library - open source code used to build services
    - Architected to run on provider side vs. DTR application pointing to evaluation endpoint
  - FHIR Questionnaire and CQL Questionnaire done by same group?
    - Yes, payer or payer's vendor who defines what goes into Questionnaire
- Alternative paths/delegation
  - If you don't have all the info needed at time that DTR was launched, need to 'save' and potentially delegate to someone else to complete
  - There is guidance in IG, but implementation is EHR-specific
  - Save app context and re-launch SMART app - where does this get saved and how does it get re-launched
  - What does app need to pass back to EHR so it knows
  - Discuss next week with [Larry Decelles](#)

		<ul style="list-style-type: none"> <li>PAS IG Updates - close to publishing? <ul style="list-style-type: none"> <li>Lloyd McKenzie to invite Jean Duteauto this call</li> </ul> </li> </ul>	
Next Agenda		<ul style="list-style-type: none"> <li>Discuss question re: delegation: saving app context and re-launching SMART app - where does this get saved, how does it get re-launched, and what does app need to pass back to EHR so it knows</li> <li>Additional implementer questions</li> </ul>	
Adjournment		Adjourned at 11:58am ET	

## Supporting Documents

Outline Reference	Supporting Document
Minute Approval	
Draft list of supplemental examples (from 7/8 call)	<p><b>Potential Examples:</b></p> <ol style="list-style-type: none"> <li>DME – O2</li> <li>Specialty Med – CodeX is interested in this topic</li> <li>Diagnostic Imaging – Head MRI, MRA</li> <li>Lab – Genetic test –</li> <li>Referral – Occupational Therapy or prosthetics – Example -</li> <li>Hospital admission - Pneumonia</li> <li>Home Health Services - eg.g Wound care</li> <li>Surgery – Arthroplasty (Total hip/knee replacement)</li> <li>CRD - Types of information/CARDS returned</li> <li>DTR - collect data and return it directly to payer - what does request look like, how to return it <ul style="list-style-type: none"> <li>RI demonstrates sending to PAS and sending to another endpoint</li> <li>Extension on Questionnaire re: where response is supposed to be sent? <ul style="list-style-type: none"> <li>Not currently addressed in IG - Larry Decelles to add tracker to DTR</li> <li>Sending to payer automatically (to same place request came from) in RI</li> </ul> </li> </ul> </li> <li>DTR - scenario where Questionnaire not posted directly, but keep it on file via EHR, or include it with prior auth submission or claim submission <ul style="list-style-type: none"> <li>IG worded like this, but need explicit instruction with respect to the Questionnaire - how do you ask for it and how do you respond</li> <li>Larry Decelles to add to same tracker noted above</li> </ul> </li> <li>DTR - Task workflow <ul style="list-style-type: none"> <li>Provider orders MRI, provider requirement is to attach Xray but someone else needs to do that - suspend order, send to someone else to complete (attach Xray) and submit - "to do" item put into a queue and/or assigned</li> <li>Once CARD is received, does it matter who works it? <ul style="list-style-type: none"> <li>Within EMRs, don't yet have process for external agents/orgs (e.g., payers) to inject tasks</li> <li>Task comes back and isn't assigned to anybody (i.e., no expectation that payer would assign it to someone) - whomever creates order has option to assign to someone else's task list, or leave unassigned and some other process defines who picks it up to complete</li> </ul> </li> </ul> </li> </ol>

## Action items

