CMS Connectathon Track Highlights

Da Vinci Clinical Documentation Exchange (CDex) Track

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• Da Vinci Clinical Data Exchange (CDex) Implementation Guide supports specific exchanges of clinical data between providers and payers (or other providers).

• The anticipated benefits include more efficient and effective exchange of health record information in several areas such as:
  – claims management
  – care coordination
  – risk adjustment
  – quality reporting
CDex Direct Query vs Task based Transactions

1. Payer or External Provider System Initiates Request

2. Provider System Retrieves Data
   - eg, What are the patient's HbA1C results after 2020-01-01?
   - eg, What are the patient's active conditions?
   - eg, Send the patient's latest History & Physical

3. Practitioner Intervention (if required)

4. Provider System Returns Data

Direct Query or Task Based Approach

Task Based Approach
CDex: *Unsolicited* Attachments for Claims and Prior Authorization

2. Provider System Submits Attachments

- e.g., documents such as History & Physical
- study report (pathology, radiology, etc.)
- missing information (provider details)
CDex: *Solicited* Attachments for Claims and Prior Authorization

1. Payer System Requests Attachments

2. Provider System Submits Attachments

- e.g., documents such as History & Physical
- study report (pathology, radiology, etc.)
- missing information (provider details)
Connectathon Highlights
Testing Focused on Sending Attachments For Claims and Prior Authorization

- **New Functionality Described in the CDex Implementation Guide.**
- Using a FHIR based approach for sending attachments for claims or prior authorization directly to a Payer.
- It is intended to be compliant with HIPAA Attachment rules for CMS and an alternative to the X12n 275 transaction.
  - Identified the Data Elements needed to associate an attachment to a claim or prior authorization when sending attachments
  - This transaction may be used for both solicited and unsolicited attachments.
Participants

Cdx

Cdx Reference Implementation (RI) (HealthLX)
– Jason Buys
– Karell Ruiz Rodriguez

CDex TestScripts (Aegis)
- Carie Hammond

Edifecs
- Artem Sopin
• 32 Attendees
• RI – successfully demonstrated of CDex $submit-attachments operation to Send Attachments for Claim or Prior Authorization
  – $submit-attachments
    • FHIR resources
    • Non-fhir Files (pdf, XML)
      – Verify Claims updated supporting Information with attachments
      – Fetch submit resource using RI Direct Query UI
• TestScripts successfully interacted with RI and Edifecs Servers
  – Identified several key issues resulting in changes to RI
• Edifecs Server demonstrated both $submit-attachments operation and Task-based Query transactions
• Using Postman Client, able to interact with RI, Edifecs Server, TestScripts
CDex Reference Implementation

- Logica Sandbox Provider and Payer App
  - Direct Query
  - Task Based Query
  - Submit Attachments
CDex Reference Implementation

- Logica Sandbox Provider and Payer App
  - Direct Query
  - Task Based Query
  - Submit Attachments
Success!

1. Created valid Parameters resource as the Operation body
2. Submitted to the Payer’s Operation endpoint
3. Returned an Operation Outcome – informing client that the attachments were associated with the claim
4. Updated Claim with a reference to the attachment, in this case a DocumentReference with CCDA as content.
Aegis Test Scripts

• Aegis Test Scripts Successfully interacting with RI Server and Edifecs Server
  - Validate interactions
  - Highlighted the value of Testscripts
    • Efficiently identified several key issues during RI development.
Edifecs Server

- Submit-Attachment via Postman
- Fetch the Updated Claim
Next Steps

• Enhance Reference Implementation
  – Fix issues
  – Update UI, with more Features
    • Signature Creation and Verification
    • Add Request Attachments Workflow

• TestScripts
  – Add Request Attachments Workflow
  – Use during RI development

• Future Testing Opportunities.
  – HL7 Sept Connectathon

• Encourage Community participation
  – Stand up server using own test data
  – Client Apps
• Cdex Implementation Guide Links
  – Current published version
    • Da Vinci Clinical Data Exchange (CDex) 1.0.0 - STU R1
    • http://hl7.org/fhir/us/davinci-cdex/STU1/
  – Soon to be published version and what Reference implementation is base upon.
    • Da Vinci Clinical Data Exchange (CDex) 1.1.0 – STU2
    • Temporary url until published at end of this month: http://build.fhir.org/ig/HL7/davinci-ecd/ 
    • After publication will be http://hl7.org/fhir/us/davinci-cdex/STU2/

• Reference Implementation : https://sandbox.logicahealth.org/ (contact me for login credential required)

• TestScripts: https://touchstone.aegis.net/touchstone/

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