FHIR Connectathon 30

Risk Adjustment Track Kickoff

Yan Heras
Rob Reynolds
4/28/2022
Agenda

• Connectathon and Risk Adjustment Track Overview
• Testing
  – Continue Testing STU 1
  – Draft STU 2 Testing
• Next Steps
Connectathon Schedule

- The May 2022 Connectathon will be held May 2\textsuperscript{nd} - May 4\textsuperscript{th} in US Eastern Time
- Event schedule:
  - May 2, 2022 (Mon) 4:00 PM ET Connectathon Kickoff
  - May 2, 2022 (Mon) 5:00 PM ET Da Vinci Connectathon Kickoff
  - May 3, 2022 (Tues) 9:00 AM – 5:00 PM ET Connectathon
  - May 4, 2022 (Wed) 9:00 AM – 5:00 PM ET Connectathon
  - May 4, 2022 (Wed) 5:00 PM ET Connectathon Wrap-Up

- Detailed agenda is available through Whova:
  - https://whova.com/portal/webapp/cmsoc_202210/sign_in/Agenda
Connectathon Links

• HL7 requires all newcomers attend a three-hour Newcomer Orientation: https://vimeo.com/542197402/8fb80fea04

• Risk Adjustment Track Page: https://confluence.hl7.org/display/FHIR/2022-05+Da+Vinci+Risk+Adjustment

• Zulip Chat: https://chat.fhir.org/#narrow/stream/311469-Da-Vinci.20Risk.20Adjustment/topic/Connectathon

• Pre-connectathon survey: https://www.surveymonkey.com/r/JK799RM

• Event contact: Sandy Vance at 614.273.5916 or HL7Connectathon@hl7.org
Implementation Guide

• Da Vinci Risk Adjustment Implementation Guide:
  – STU 1 ready for publication:
    • https://build.fhir.org/ig/HL7/davinci-ra/
  – Draft STU 2 branch:
    • http://build.fhir.org/ig/HL7/davinci-ra/branches/Draft-STU2-Branch/index.html
Risk Adjustment Track Sessions

May 3rd (Tuesday) 10am ET – 5pm ET
• IG review and demo of testing process and test scripts
• Build and test
• Day 1 wrap up and discussions

May 4th (Wednesday)
• Build and test
• Bulk data and patient list
  — Join Clinical Reasoning Track and Da Vinci DEQM and Gaps in Care/Da Vinci Member Attribution at 4pm ET
Continue Testing STU1
Goals

• Re-run test scripts from the Connectathon 29 against the post ballot updated STU 1 IG
• Run the new test scripts to test the new test cases identified in the Connectathon 29
Testing Process Overview

- Test cases are defined according to a test plan
  - [https://confluence.hl7.org/display/DVP/%24report+Test+Plan+Template](https://confluence.hl7.org/display/DVP/%24report+Test+Plan+Template)
- Each test case has a corresponding Touchstone test script
  - Additional advanced Touchstone test script available for ad-hoc testing
- Each test case is entered in the [Connectathon Manager](https://connectathon-manager.hl7.org) (ConMan) as a test scenario
- Run test in [Touchstone](https://touchstone.hl7.org)
- Record testing results in the Connectathon Manager
- Log issues against the Implementation Guide in [HL7 Jira](https://jira.hl7.org)
System Roles

• **Client** – A system requesting risk adjustment coding gaps.
  • For example, a provider is the Client when they request coding gaps for their patients from a payer system.

• **Server** – A system receiving the request for retrieving the risk adjustment coding gaps.
  • For example, a payer system receives a request for getting coding gaps for all patients of a provider, the payer system acts as the Server.
Newly Added Test Cases

• Test case for $report on single patient, the test data on the Server have additional resources (e.g., Condition) that are not referenced by any of the MeasureReports and make sure these resources are not returned for the patient.

• Test case for counting the bundle entries that are not MeasureReport. The intent is to make sure not to return resources in the bundle that are not referenced by evaluatedResource.

• Test case to make sure there are no duplicate entries in the Bundle.

• Test case to make sure the same resource referenced by the evaluatedResource are not duplicated (e.g., evaluatedResource references Condition12 more than once, the Bundle should only contain the Condition12 resource once).
Test Scenarios - parameters

• For each of the test cases for the $report operation parameters
  
  • **Action**: A Client calls the $report operation to the Server with the input parameters specified in the test case. Depending on the input parameters received, the Server either returns risk adjustment coding gap report (MeasureReport) or OperationOutcome to the Client.

  • **Precondition**: Server has a number of pre-generated risk adjustment coding gaps reports that support the $report operation input parameters and the test cases specified

  • **Success Criteria**: The Client receives expected results as specified in the test case
Test Scenarios - result

• For each of the test cases for the result of the $report operation
  
  • **Action**: A Client calls the $report operation to the Server according to the test case, the Server returns appropriate results

  • **Precondition**: Server has a number of pre-generated risk adjustment coding gaps reports that support the $report operation input parameters and the test cases specified

  • **Success Criteria**: The Client receives expected results as specified in the test case. Results are examined in detail, to ensure, for example, MeasureReport is constructed correctly with correct data elements and evaluatedResources.
Participating Systems

- Risk Adjustment Reference Implementation
Connectathon Manager

• Record testing results in the Connectathon Manager (ConMan):
  http://conman.clinfhir.com/connectathon.html?event=con30

• Participating servers and clients:
  • If you plan to bring a server, be sure to register your server in ConMan and visit the ConMan tutorial for more information:
    https://confluence.hl7.org/download/attachments/104568828/2021-04-08%202017.06%20Meet%20Now.mp4?version=1&modificationDate=1618252745761&api=v2
Connectathon Manager Login

Connectathon Manager

Description: Da Vinci Risk Adjustment Track tests the Da Vinci Risk Adjustment Implementation Guide.

Track type: Igreview

Name: Da Vinci Risk Adjustment
Description: The Da Vinci Risk Adjustment Implementation Guide describes exchanging risk adjustment coding gaps between payers and providers.

Package / Version: hi7.fhir.us.davinci-ra#0.1.0
IQ page: View

Confluence track page: https://confluence.hl7.org/display/FHIR/2022-05+Da+Vinci+Risk+Adjustment?src=contextnavpagetreemode (Opens in a new tab)

Chat link: https://chat.hl7.org/#narrow/stream/311469-Da-Vinci.20Risk.20Adjustment/topic/Connectathon (Opens in a new tab)

General links:

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Record Testing Results

1. Da Vinci Risk Adjustment
2. Testing & feedback
3. Subject-Patient-In-RA
4. Add new result
5. Result of test: Subject-Patient-In-RA

- Asserter: Yan Heras
- Server: Risk Adjustment Sandbox
- Client: 
- IG: Da Vinci Risk Adjustment
- Pass, Fail, Partial, Note
- Enter any notes

You must select an asserter and a result to save.
Test Scripts

- Touchstone: [https://touchstone.aegis.net/touchstone/](https://touchstone.aegis.net/touchstone/)
Test Validator

- **STU 1:** [https://build.fhir.org/ig/HL7/davinci-ra/](https://build.fhir.org/ig/HL7/davinci-ra/)
Touchstone Information

- See **Build and Validate with Touchstone** on Da Vinci Implementation Support confluence page for tutorials, registration, and documentations
  - [https://confluence.hl7.org/display/DVP/Da-Vinci+Implementer+Support](https://confluence.hl7.org/display/DVP/Da-Vinci+Implementer+Support)
- Participating systems to add your test system in Touchstone
Goal

• Preliminary testing of the draft STU2 profiles for conformance
STU2 Test Scripts

- Touchstone: [https://touchstone.aegis.net/touchstone/](https://touchstone.aegis.net/touchstone/)
STU2 Test Validator

STU2 Test Instructions

- **ReadMe:** [https://github.com/HL7/davinci-ra/tree/Draft-STU2-Branch#testing](https://github.com/HL7/davinci-ra/tree/Draft-STU2-Branch#testing)
STU2 Test Data

• Github: https://github.com/HL7/davinci-ra/tree/Draft-STU2-Branch/input/tests
STU2 Test Bundles

QUESTIONS/NEXT STEPS
Next Steps

• Join the HL7 Connectathon Kickoff on Monday, May 2\textsuperscript{nd} at 4:00 pm ET through Whova
• Review specifications and participate
• If you have not already, please create an account for HL7 Confluence/Jira, Touchstone, Connectathon Manager, and subscribe to the Da Vinci Risk Adjustment Zulip stream

• Contacts:
  – Yan Heras: yan.heras@optimumehalth.com
  – Rob Reynolds: rob@alphora.com
FHIR Specifications

• Da Vinci Risk Adjustment IG:
  – https://build.fhir.org/ig/HL7/davinci-ra/


• US Core: http://hl7.org/fhir/us/core/

• Bulk Data Access IG: http://hl7.org/fhir/uv/bulkdata/

• Da Vinci Member Attribution IG: http://hl7.org/fhir/us/davinci-atr/

• Da Vinci Clinical Data Exchange (CDex): http://hl7.org/fhir/us/davinci-cdex/2022May/