Agenda

• Connectathon Overview
• Track Overview
• Next Steps
31st HL7 FHIR Connectathon

- Saturday, September 17  9:00 AM – ???
- Sunday, September 18  9:00 AM to 5:00 PM
- Renaissance Harbor Place Hotel, Baltimore, MD
- Maryland Ballroom ABC (Lunch is in Maryland DEF)
- Break Out Sessions
Getting to the Meeting

• Renaissance Harbor Place Hotel
  – 151 South St, Baltimore, MD 21202
  – Check in is at 4:00 PM

• BWI
  – Uber (25 minutes, average $25-30)
  – Taxi (25 minutes, $45 - $60)
  – Super Shuttle (about $40)

• IAD
  – Taxi (1 hour 10 minutes, about $135)
COVID Policy

• Vaccinations: Required
• Masks: Optional
• Testing: Required PCR, Rapid NAAT, or Rapid Antigen within 72 hours of attending. A self-test is not acceptable. Testing available onsite for $23

Find the full HL7 COVID Policy here:
https://www.hl7.org/events/covid.cfm
About Baltimore

• Baltimore's World Trade Center at the Inner Harbor is the world's tallest five-sided building.
• Collection of military ships dates back 200 years
• Lots of walkable shops and restaurants in the harbor area
• Weather Forecast:

<table>
<thead>
<tr>
<th>Date</th>
<th>Forecast</th>
<th>Temperature</th>
</tr>
</thead>
<tbody>
<tr>
<td>17</td>
<td>Cloudy</td>
<td>86°F, 68°F</td>
</tr>
<tr>
<td>18</td>
<td>Sunny</td>
<td>85°F, 66°F</td>
</tr>
<tr>
<td>19</td>
<td>Cloudy</td>
<td>86°F, 67°F</td>
</tr>
<tr>
<td>20</td>
<td>Partly Cloudy</td>
<td>86°F, 59°F</td>
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<tr>
<td>21</td>
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<td>83°F, 67°F</td>
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<td>22</td>
<td>Sunny</td>
<td>78°F, 68°F</td>
</tr>
<tr>
<td>23</td>
<td>Partly Cloudy</td>
<td>79°F, 69°F</td>
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Track Goals

• Test the new operations and profiles to prepare for STU2 ballot
Track Description

• Review Track confluence page
  – https://confluence.hl7.org/display/FHIR/2022+-
    +09+Da+Vinci+Risk+Adjustment

• Track Contacts
  – Yan Heras
  – Rob Reynolds
  – Linda Michaelsen
Track Scenarios – Payer to Provider

• $davinci-ra.evaluate-measure scenario

• Actions:
  • Payer calls the $davinci-ra.evaluate-measure operation on the Payer Server to evaluate a Condition Category measure by executing CQL against patient data and produce a Risk Adjustment Bundle (a MeasureReport Bundle)
  • Payer POST $davinci-ra.evaluate-measure result to Payer Server
  • Provider GET $davinci-ra.evaluate-measure result from Payer Server

• Preconditions:
  • An example HCC — HCC189 "Amputation Status, Lower Limb/Amputation Complications" — is specified in CQL as a digital Condition Category measure that details inclusion and exclusion criteria for HCC189.
  • Payer Server is pre-populated with patient data, a Risk Adjustment Model Measure resource (which references HCC189 Library resources), the referenced Library resources (which contain the CQL libraries for HCC189), and referenced ValueSet resources.

• Success Criteria: Payer produces a Risk Adjustment Coding Gap Report Bundle with expected coding gaps information for the test patient and is received by Provider
Track Scenarios – Payer to Provider

• CSV file POST scenario

• **Action:**
  • Payer POST a CSV file containing risk adjustment data to Payer's REST server.
  • Payer REST server produces Risk Adjustment Bundle and POST it to a Payer FHIR Server.
  • Provider GET the Risk Adjustment Coding Gap Report Bundle from Payer Server

• **Preconditions:**
  • A CSV file is created using the CSV header defined by the IG
  • The header of the REST request contains the address of the Payer FHIR Server

• **Success Criteria:** Payer successfully POST the CSV file

• **Bonus Point:** Payer REST Server processes the CSV file and produces Risk Adjustment Coding Gap Report Bundle based on the data in the CSV file
Track Scenarios – Provider to Payer

- $davinci-ra.resolve scenario
  - [https://build.fhir.org/ig/HL7/davinci-ra/OperationDefinition-davinci-ra.resolve.html](https://build.fhir.org/ig/HL7/davinci-ra/OperationDefinition-davinci-ra.resolve.html)

  - **Action:**
    - Provider calls $resolve operation to resolve coding gaps and returns Risk Adjustment Bundle with DetectedIssues
    - Provider POST the Risk Adjustment Bundle to Payer FHIR Payer

- **Preconditions:**
  - Server is pre-populated with Risk Adjustment Coding Gap Reports (generated by the Payer using $report) and DetectedIssue(s) that represent the Provider’s proposed modification(s).

- **Success Criteria:** returns a Risk Adjustment Bundle (of type document) with a Composition, associated DetectedIssue(s), and supporting evidence resources for the test patient
Track Scenarios – End to End

• **Bonus Point:** Payer to Provider and Provider back to Payer end to end
  • Payer calls the $report operation and returns Risk Adjustment Coding Gap Report Bundle
  • Payer POST the result of $report operation to Provider
  • Provider reviews the reports, creates DetectedIssue(s) that represent their proposed modifications, and calls $resolve operation to resolve coding gaps and returns Risk Adjustment Bundle with DetectedIssues
  • Provider POST Risk Adjustment Bundle to Payer
Participating Systems

- Risk Adjustment Reference Implementation
  - Server End Point: https://cloud.alphora.com/sandbox/r4/ra/fhir/
Test Scripts

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

<table>
<thead>
<tr>
<th>Test Script</th>
<th>Version</th>
<th>Description</th>
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<td>Get all data for variable parameters. All</td>
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QUESTIONS/NEXT STEPS
Next Steps

• Complete Pre-Connectathon Survey
• If you have not already, please create an account for HL7 Confluence/Jira, Touchstone, and subscribe to the Da Vinci Risk Adjustment Zulip stream
• Meet in the Maryland Ballroom at 9 AM this Saturday
  – Look for the table with signs for the Da Vinci Risk Adjustment Track
• Contacts:
  – Yan Heras: yan.heras@optimumehealth.com
  – Rob Reynolds: rob@alphora.com
  – Linda Michaelsen: linda.michaelsen@optum.com
  – Event contact: Sandy Vance at 614.273.5916 or HL7Connectathon@hl7.org
Links

- Da Vinci Risk Adjustment IG: https://build.fhir.org/ig/HL7/davinci-ra/
- Risk Adjustment Track Page: https://confluence.hl7.org/display/FHIR/2022+-+09+Da+Vinci+Risk+Adjustment
- Zulip Chat: https://chat.fhir.org/#narrow/stream/311469-Da-Vinci.20Risk.20Adjustment/topic/Connectathon
- Touchstone: https://touchstone.aegis.net/touchstone/
- Connectathon Manager: http://conman.clinfhir.com/?event=con31
- JIRA: https://jira.hl7.org/projects/FHIR/issues
- Risk Adjustment Jira Dashboard: https://jira.hl7.org/secure/Dashboard.jspa
- Risk Adjustment Use Case Confluence Page: https://confluence.hl7.org/display/DVP/Risk+Adjustment