HL7 FHIR Connectathon
September 9-10, 2023
9:00am to 5:00pm MST (-3hrs from CT)
Phoenix, AZ

Helios Aggregate Data Track
Kick Off Call

Forrest White & Craig Newman
August 23, 2023
Track Kick Off Meeting Agenda

• Introduction to Track Leads – Forrest White & Craig Newman
• Track Description
• Track Goals
• Participants Roles and Preparation
  ○ List of Participants in the track
  ○ Reference to test servers and tools
• General Schedule
• How to get your questions answered
• Support Materials
• Preparation Checklist
• Track Report Out
• Questions
34rd HL7 FHIR Connectathon

- Saturday, September 9  9:00 AM to 5:00 PM MST
- Sunday, September 10  9:00 AM to 5:00 PM MST

(Note: Phoenix is -3 hours from Eastern Time Zone)

- Sheraton Phoenix Downtown
- Breakout Rooms
- Education Sessions listed in Whova
Track Lead

Forrest White works to develop and implement healthcare interoperability standards focusing on the exchange of public health data. He has 8+ years of experience in healthcare data interoperability. Forrest is a Program Manager for the Helios FHIR Accelerator for Public Health.
Track Lead

Craig Newman works to develop and implement healthcare interoperability standards focusing on the exchange of public health data. He has 15+ years of experience in healthcare data interoperability and is a co-chair of both the HL7 Public Health Work Group and v2 Management Group. Craig is a Program Manager for the Helios FHIR Accelerator for Public Health.
Track Description

- This track will test the sharing of two or more combined MeasureReport FHIR resources between a data submitter (e.g. HIT/EHR) and a data recipient (e.g. PHA/STLT) that contains a set of reusable priority Measure definitions of situational awareness indicators (e.g., bed counts, supply capacity, device utilization, and other aggregate measures).

https://confluence.hl7.org/display/FHIR/2023+-+09+HELIOS+Aggregate+Data+Track
Track Goals

• Document a "superset" of reusable Measure definitions and make them available for a data source to use to generate standardized Measure and MeasureReport FHIR resources.

• PHAs will identify a MeasureReport's Measure definitions (specifications) using reusable Measure definitions and combining multiple Measures in a single MeasureReport

• Test and report against producing the Measures and MeasureReports and sharing them with PHAs
Participants Roles and Preparation

Data Submitters (HIT/EHR Tech Partners)

❖ Demonstrate ability to access data and prepare FHIR Measure and combined MeasureReport Resource(s) and data
❖ Demonstrate ability to PUSH/WRITE FHIR Measure and MeasureReport Resource(s) and data to a PHA
❖ Demonstrate ability to make FHIR Measure and MeasureReport Resources available to QUERY and PULL by an authorized Public Health Authority (PHA)

Data Receivers (PHA/STLT)

❖ Demonstrate ability to Receive PUSH/WRITE Measure and MeasureReport Resource(s) and data from a data submitter
❖ Demonstrate ability to QUERY and PULL FHIR Measure and MeasureReport Resource(s) and data from a data submitter
❖ Bonus – Display MeasureReport data in human readable dashboard
## Participants Roles and Preparation

<table>
<thead>
<tr>
<th>Organization</th>
<th>Actor</th>
<th>Role</th>
<th>Tools</th>
<th>Responsible Person</th>
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<tbody>
<tr>
<td>Washington State &amp; University of Washington</td>
<td>PHA – STLT State</td>
<td>Data Receiver</td>
<td>FHIR Server</td>
<td>Ravi Kafle (WA) Bill Lober (UW) Daniel Lorigan (UW)</td>
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<td>Oracle Cerner</td>
<td>HIT/EHR Healthcare</td>
<td>Data Submitter</td>
<td>FHIR Server &amp; Test Data</td>
<td>Hans Buitendijk Roy Lampe</td>
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<td>Audacious Inquiry</td>
<td>Healthcare &amp; PHA</td>
<td>Data Submitter &amp; Receiver</td>
<td>FHIR Server &amp; Test Data</td>
<td>Keith Boone David Pyke</td>
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<td>ICF</td>
<td>PHA – State/Local</td>
<td>Data Receiver</td>
<td>CQF Ruler FHIR Server – Measure evaluation, receive MeasureReports</td>
<td>Michael Holck</td>
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<td>Point of Care Partners</td>
<td>PHA</td>
<td>Data Submitter</td>
<td>FHIR Server</td>
<td>Frank McKinney</td>
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<td>Saturday, September 9</td>
<td>9:00 – 9:30am</td>
<td>HL7 FHIR Connectathon Kick-Off</td>
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<td>9:30 – 10:30am</td>
<td>Helios Aggregate Data Kick-Off &amp; Testing</td>
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<td>10:30 – 10:45am</td>
<td>Break for Morning Coffee</td>
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<td>10:45am – 12:00pm</td>
<td>Testing (Please document success, failure, gaps, etc. in Zulip)</td>
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<td>Lunch</td>
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<td>Continue Testing</td>
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<td>3:00 – 3:30pm</td>
<td>Cookie Break</td>
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<td>Continue Testing</td>
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<td>Sunday, September 10</td>
<td>9:00 – 9:45am</td>
<td>Breakout – Code Sets for Measure Definitions</td>
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<td>9:45 – 10:00am</td>
<td><strong>Break for Morning Coffee</strong></td>
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<td>10:00 – 11:00am</td>
<td>Level Set Saturday’s Activity &amp; Testing</td>
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<td><em>Breakout/Testing</em></td>
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<td>Gather and Develop Report-Out Documentation</td>
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<td><strong>Cookie Break</strong></td>
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<td>3:30 – 5:00pm</td>
<td>HL7 FHIR Connectathon Closing &amp; Report-Out</td>
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How to get your questions answers

• Zulip (chat.fhir.org)
  https://chat.fhir.org/#narrow/stream/355141-Helios-Aggregate-Data

• Log issues in HL7 JIRA

• Contact info for Track leads (onsite in Phoenix)
  Forrest.White@altarum.org
  Craig.Newman@altarum.org
Support Materials

• HL7 Connectathon Confluence Home Page
  https://confluence.hl7.org/display/FHIR/2023+-+09+Connectathon+34

• Helios Aggregate Data ConnectathonTrack Page
  https://confluence.hl7.org/display/FHIR/2023+-+09+HELIOS+Aggregate+Data+Track

• FHIR Chat – Zulip – Helios Aggregate Data
  https://chat.fhir.org/#narrow/stream/355141-Helios-Aggregate-Data

• Helios HL7 Confluence Home Page
  https://confluence.hl7.org/display/PH/Helios+FHIR+Accelerator+for+Public+Health+Home
JIRA Issues

• All spec issues will be tracked in JIRA
• Link or keep a list on Confluence page
• HL7 Confluence user id and password should work for JIRA
Track Report Out

• What was the track trying to achieve
• Notable achievements
• Screenshots and/or links to further information
• Discovered issues / questions (if there are any)
• What’s Next
Participation Checklist

✓ Register on HL7 Event Page
✓ Confluence Access
✓ Complete Pre – Connectathon Survey
✓ Select a Track – Helios Aggregate Data Track
✓ Prepare your Technical Environment
  ✓ Identify data requirements from a source if you wish to query their FHIR based APIs
✓ Sign up on chat.fhir.org (Zulip)
✓ Connect with your Track lead & participants
  ✓ Upcoming track preparation meeting May 1st
FREE Education for Beginners !!!
Linked at the top of main Connectathon Page

• FHIR 101
• How to Read a FHIR IG
• Introduction to US Core Data for Interoperability
• FHIR Testing and Tools Overview

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9:00 AM MST to 5:00 PM MST

Enter a Track Proposal now through July 7th!
Newcomer Orientation - Recording here!

Connectathon Administrator: Sandy Vance
Reach Sandy at sandy@counterpointsol.com or HL7Connectathon@hl7.org
About Phoenix, Arizona

• Sheraton Phoenix Downtown
• Located near the Phoenix Convention Center, minutes from Sky Harbor Airport, and in the middle of all the dazzling downtown Phoenix’s action, this venue is a perfect location for the HL7 Plenary & WGM!
• For more information on what to do during your downtime in Phoenix, check out https://www.visitphoenix.com
• Typical Weather Forecast:
Questions?

Helios: Helios@hl7.org

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Forrest.White@altarum.org

Craig Newman
Craig.Newman@altarum.org