Helios Aggregate Data

October 4, 2023
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Contributing to the Priority Areas

- Introduce yourself in the chat (name, affiliation, interest area/skills)
- All interested groups are encouraged to participate
  - Use the chat
  - Raise your hand
  - Discuss on Zulip
- This meeting will be recorded
- No membership fee for the first round of project work
  - In-kind resource support for developing and piloting Priority Areas
- We are all working towards the same goal
Core Principles

**Desirability**: Serves a pressing public health need

**Feasibility**: Fits with public health goals and resources

**Compatibility**: Builds off existing foundations

High Value and High Impact

- Align With and Address Gaps in Core FHIR Capabilities
- Practical to Develop and Implement
Agenda October 4, 2023

• September 2023 HL7 Connectathon - Helios Aggregate Data Track Report-Out
• HL7 JIRA Ticket Resolution – Work in Progress
Thank you for those who participated in Phoenix!

What was the track trying to achieve?

- Test defining public health Measure definition specifications for Measure scoring
- Test Sharing Measures in a MeasureReport with PHAs
- Initiate discussion with Regenstrief/LOINC for use of codes in defining public health Measure definition specifications
- Initiate discussion on a centralized open repository for public health Measure definition specifications
## Participants Roles and Preparation

<table>
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<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</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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September 2023 HL7 FHIR Connectathon

Helios Aggregate Data Track Report-Out

• Notable achievements
  • Generate public health Measure(s) with Measure scoring and share with PHA - tested successfully
  • Generated public health Measure cohort and proportion definitions and share with PHAs (3) - tested successfully
  • Found JIRA documentation for SANER, DEQM, FHIR R4/R5 IGs to document additional gaps or questions
  • Initiated discussion with Regenstrief/LOINC for application of codes to Measure Definition specifications
  • Initiated discussion with ONC for a centralized open repository for public health Measure definition specifications
  • Meanwhile, the repository of Measures under development has now been temporarily housed in Washington State Department of Health’s GitHub repository: [WASState-DeptHEALTH/PHMeasureDefinitions: Public Health Measures Definition for Situational Awareness (github.com)](https://github.com/WASState-DeptHEALTH/PHMeasureDefinitions)
  • Reviewed HHS Protect Measures to evaluate how to define designated Measure definition specifications
September 2023 HL7 FHIR Connectathon

Helios Aggregate Data Track Report-Out

• Discovered issues / questions (if there are any)
  • Base standards and IGs need updates and JIRA tickets opened
    • JIRA Ticket: https://jira.hl7.org/browse/FHIR-42709
    • JIRA Ticket: https://jira.hl7.org/browse/FHIR-42711
    • JIRA Ticket: https://jira.hl7.org/browse/FHIR-42712
    • JIRA Ticket: https://jira.hl7.org/browse/FHIR-42714
  • Identify and define more complex Measures for Measure scoring
  • Identify and define additional Measures with ratios

• Now what?
  • Work with ONC, CDC, CMS, ASPR, etc. to identify superset of public health Measures
  • Work with ONC, CMS, CDC, to identify a repository for hosting Measure definition specifications
  • Continue work to define reusable Measure definition specifications
  • Continue discussions with Regenstrief/LOINC for coding public health Measures
  • Update SANER FHIR IG to move from STU to Normative
  • Follow-up on JIRA Tickets noted above
Defined standardized reusable priority Measures:

- ICU Beds Reporting (Device)
- ICU Bed Current Occupancy (Device)
- ICU Bed Staffed Capacity (Device)
- Confirmed COVID Patients (Condition)
- Combined (Device and Condition)

Prioritized Measures:

- Seeking input from the ONC, CMS, CDC, ASPR, and STLT community regarding priority Measures to develop a library of defined measure specifications
Call to Action

Helios FHIR Accelerator for Public Health

How to get involved – who to contact

Helios Email Inbox: helios@hl7.org
Helios Conference Calls: http://www.hl7.org/concalls/index.cfm
Helios HL7 Homepage: https://www.hl7.org/helios/
Helios Zulip Chat: https://chat.fhir.org/#narrow/stream/307807-Helios-Accelerator
Helios HL7 ListServ: http://www.hl7.org/myhl7/managelistservs.cfm

Helios Confluence Page:
https://confluence.hl7.org/display/PH/Helios+FHIR+Accelerator+for+Public+Health

Helios Aggregate Data Confluence Page:
https://confluence.hl7.org/display/PH/Aggregate+Data+-+Deliver+Aggregate+Information+to+Public+Health

HL7 FHIR Connectathon (September ’23) Helios Aggregate Data Track Page:
https://confluence.hl7.org/display/FHIR/2023+-+09+HELIOS+Aggregate+Data+Track

Forrest White, Program Manager forrest.white@altarum.org
Thank you for joining today!

Next Aggregate Data Project Team Call: October 18, 2023