Data Exchange for Quality Measures (DEQM) Project Call

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Viet Nguyen, MD  Linda Michaelsen
Bryn Rhodes       Erica Haas, DVM
Agenda

• Brief review of DEQM IG
• Review progress of ballot reconciliation and next steps with IG
• Review MRP Reference Implementation
  • HSPC
  • GitHub
• Connectathon planning
• Next measures and overall approach
DEQM – Brief Overview

- Part 1 – DEQM Framework
- Part 2 – Medication Reconciliation Post-Discharge (MRP) measure example
Relationship of DEQM IG and Other IGs

- DEQM IG provides framework for quality measure exchange in the US Realm
- MRP use case is an example of using the framework
  - measure-mrp used in the $submit-data operation

- HEDIS IG
  - [http://build.fhir.org/ig/cqframework/hedis-ig/](http://build.fhir.org/ig/cqframework/hedis-ig/)

- QI-Core IG
  - [http://build.fhir.org/ig/cqframework/qi-core/index.html](http://build.fhir.org/ig/cqframework/qi-core/index.html)
  - Since QI-Core is dependent on US-Core, QI-Core will need to wait until R4 US-Core is available (plan is mid 2019)
DEQM Ballot Reconciliation Summary

• 13 comments remaining to resolve.
• Discussion at CQI WG calls and WGM, San Antonio

• Remaining Tasks
  • apply ballot changes
  • insert examples
  • update R4 profiles - based upon US-Core R4 and QI Core R4
  • US-Core R4 in Ballot and target publish in May
  • QI-Core R4 following that timeline
  • QA readthrough
  • Pre-publishing steps: Procedural and technical
  • Publishing

• Will need to discuss return to ballot or publish STU1
  • Decision based on extent of substantive changes to STU1
  • Also based on additional content we add
  • Is there a desire to implement MRP in production
MRP Reference Implementation Summary

• Application code location - [https://github.com/HL7-DaVinci](https://github.com/HL7-DaVinci)
  • US Core extension profiles loaded and complete the resource validation.
  • Fixed two issues with the MeasureReport and Patient resources.
  • Now, all resources in the reference implementation and examples validate.
  • Pushed all the relevant updates to GitHub.

• Note that the US Core profile extensions ValueSet resources are not loaded in the HSPC DaVinci sandboxes because of a known issue with HAPI 3.4+ which is yet to be addressed by the HAPI group ([https://groups.google.com/forum/#!searchin/hapi-fhir/cannot$20reliably$20process$20$27persist$27$20call%7Csort:date/hapi-fhir/Hm2I3UPACCw/86NM0EV-DAAJ](https://groups.google.com/forum/#!searchin/hapi-fhir/cannot%20reliably%20process%20%27persist%27%20call%7Csort:date/hapi-fhir/Hm2I3UPACCw/86NM0EV-DAAJ)). Therefore you may get ValueSet related validation errors if you try validating the Patient resources with HSPC. However, the values in the MRP reference Patient resources are valid.
HSPC Reference Implementation

- Sandbox.hspconsortium.org
  - Must register
- Sandbox Name: DaVinci Demo EHR
- Sandbox ID: DaVinciEHRDemo2
- Sandbox URL: https://sandbox.hspconsortium.org/DaVinciEHRDemo2
- Secured FHIR Server URL: https://api-v5-stu3.hspconsortium.org/DaVinciEHRDemo2/data
- Open FHIR Server URL: https://api-v5-stu3.hspconsortium.org/DaVinciEHRDemo2/open
- Sandbox FHIR Version: FHIR STU 3 (v3.0.1)

- Sandbox Name: DaVinci Demo Payer
- Sandbox ID: DaVinciDemoPayer
- Sandbox URL: https://sandbox.hspconsortium.org/DaVinciDemoPayer
- Secured FHIR Server URL: https://api-v5-stu3.hspconsortium.org/DaVinciDemoPayer/data
- Open FHIR Server URL: https://api-v5-stu3.hspconsortium.org/DaVinciDemoPayer/open
- Sandbox FHIR Version: FHIR STU 3 (v3.0.1)

- Email vietnguyen@Stratametrics.com to request access to the
Connectathon Planning

• HL7 FHIR Connectathon 20th Edition
  • Saturday and Sunday, January 12 & 13
  • Hyatt Regency San Antonio Riverwalk
  • MRP will be in the Clinical Reasoning Track
  • Who will be attending?
Selection of Next Measures

• Considerations
  • Advance the use of DEQM framework by defining how additional measures would work
  • Create a patterns (e.g. screening measure, process measure, outcome measure)
  • Leverage existing CQL work
  • Elaborate DEQM IG guidance
    • Relation to QRDA 1 and 3
    • Relation to eCQMs and other measures
    • Hospital measure (e.g. Stroke measures) vs professional measures
Proposed Measure – Colon Cancer Screening (COL)

• A HEDIS measure also included in STARS program

• [http://build.fhir.org/ig/cqframework/hedis-ig/index.html](http://build.fhir.org/ig/cqframework/hedis-ig/index.html)
  • See links for COL

• Establish the FHIR “Pattern” for screening measures
  • Exercise new resources not previously used

• Add this measure to DEQM IG as additional example
Next Steps

- Participant level-setting regarding FHIR, DEQM, and MRP
- Understanding the Colon Cancer Screening quality measure
  - Reporting requirements
    - Cohort, reporting period, data requirements, etc.
  - HEDIS measure definitions
  - Stars program
  - Define clinical, administrative (payer) and measure reporting workflows
- Understand FHIR measure work – CQL, QI-Core, US-Core, CQF-Ruler, etc.
- Define the technical workflow and FHIR gap analysis, value-sets
- Document and include in IG
- Create reference implementation
- Define categories of measures – screening, process, “inverse/overuse measures”
Call Participants Tasks

• Sign up for recurring call using the HL7 Conference Call Center
• Review DEQM IG
• Review HEDIS IG
• CMS 130 measure - https://ecqi.healthit.gov/ecqm/measures/cms130v6
Additional topics

• Primary source verification - Discussion at January 4, CQI WG Call
References

• Da Vinci Wiki - [https://www.hl7.org/about/davinci/index.cfm?ref=common](https://www.hl7.org/about/davinci/index.cfm?ref=common)
  • Link to listserv
• [https://ecqi.healthit.gov/](https://ecqi.healthit.gov/)
• [http://build.fhir.org/ig/cqframework/ hedis-ig/index.html](http://build.fhir.org/ig/cqframework/ hedis-ig/index.html)