2019-06-11 - SNOMED on FHIR Meeting (TB)

Date/Time
20:00 UTC on Tuesday 11 June 2019 - 90 minutes.

Objectives
- Bindings to FHIR Clinical Resources (e.g. value set bindings)

Meeting Details
Online: https://snomed.zoom.us/my/snomedhl7
Phone: See https://zoom.us/zoomconference for available phone numbers (meeting id 242-348-6949)
Chat: snomedintl.slack.com #snomed-hl7-fhir

Attendees
- Daniel Karlsson
- Jeremy Rogers

Apologies
- Rob Hausam
- Peter G. Williams
- Michael Lawley

Meeting Recording

Discussion items

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
<th>Mins</th>
<th>Owner</th>
<th>Notes &amp; Actions</th>
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<tbody>
<tr>
<td>1</td>
<td>Welcome and introductions</td>
<td>5</td>
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<td>Recording + Notes.</td>
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| 2    | Summary of previous week (TB) and previous TB | 5 | Jane Millar, Jeremy Rogers, Daniel Karlsson | 2019-06-04 - SNOMED on FHIR Meeting (TS)  
2019-05-28 - SNOMED on FHIR Meeting (TB) |
| 3    | Future meetings              | 30   | Jeremy Rogers    | To draft abstract for October Expo presentation                             |
| 4    | Free SNOMED CT Set for FHIR  | 50   | Jane Millar, Jeremy Rogers, Daniel Karlsson | Free SNOMED CT set for FHIR  
Red mappings - Jim Case advised that these are not appropriate for inclusion in SNOMED CT. Jane Millar to include that when she contacts Grahame Grieve.  
Feedback on Green and Amber mappings still outstanding (working group meeting April 11 Rob Hausam ?)  
2019-04-16: Jane Millar has received updates about Green, Amber, and Red mappings. Input will be provided by next TB call 2019-04-30, except from the HL7 group input (Amber). The overview paper has been sent to HL7 for input (Wayne, Grahame) and has received positive feedback.  
Some pilot sites for SNOMED CT and genomics are using FHIR specifications, working with Michael Lawley, Ian Green can summarize experiences from the pilots at a future meeting. |
| 5    | Observation resource         | 30   | Jeremy Rogers    | See updates here: Observation binding                                         |
1. Wrapped by implementation guide - in this case https://github.com/IHTSDO/snomed-ig
2. Value set published to a live SI hosted Snowstorm instance. Alternatively Michael Lawley has offered to host.
3. Additional hosting on Simplifier (STU3, not yet R4 - January?)
4. Suggestion to review work already done to ensure R4 compatibility
5. Would value sets also be published as reference sets? Maintain via Refset tool and published in MLDS. Note: UK experienced substantial "getting off the ground" effort in this area. Sweden have worked through ~10 (will request promotion of content to International Edition where appropriate).
6. HL7 FHIR Registry?
7. Option to have multiple profiles available at the same time using slicing.
8. Chance to do some technical work at HL7 San Antonio

Peter G. Williams discuss Rory Davidson

- Peter G. Williams re-run tooling to include existing profiles in appropriate hierarchy.

Options for Profile discussion:

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<th>Specimen</th>
<th>Allergy Intolerance (DK)</th>
<th>Condition</th>
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<tr>
<td>Medication (FW)</td>
<td>Vital Signs (DK)</td>
<td>Procedure</td>
</tr>
<tr>
<td>Immunization</td>
<td>ImagingStudy</td>
<td>Observation</td>
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Notes 26 Feb: UK working on pathology reporting - diagnostic / observation.

Suggestion that we try out two types of profile, both of which avoid issues of conflict between fields within the information model:

1. Where we only use the code field for clinical content (plus the administrative fields)
2. Where we restrict the code field to atomic values and all other resource fields should also be populated. Note that this does not solve the role group problem.

28 May: Plan to publish profile for the October conference (8 sessions + working between meetings. Completion for review Tues 14 October (or earlier since we'll need time to complete the IG?)

- Build implementation guide
- Setup FHIR server with relevant valuesets

Tooling for profiles: Forge (.NET) is now R4 to try loading existing Allergy Intolerance profiles into Forge R4. The STU3 profiles loaded fine in Forge R4 as just STU3 Daniel Karlsson profiles. There are almost no changes between STU3 and R4 for AllergyIntolerance, so by manually changing the XML files from "3.0.1" to "4.0.0" the files showed as R4 profiles with no errors displayed. Files uploaded to profile page.

Rob Hausam to check SNOMED IG for latest publishing stack.

Rob Hausam to take Observation questions to OD group.

RH: Suggestion that "published" valuesets would be read-only.

7 Allergies X Daniel Karlsson
Revisit any outstanding questions on Allergies.

External publication of v0.1 of the AllergyIntolerance resource

8 Vital Signs X Daniel Karlsson
Vital Signs Profile of Observation Resource
Jeremy's work to compare Vital signs profile and SNOMED Subhierarchy - issues with eg blood pressure. Complex expression constraints available which cover the use of observables by the NHS(UK). Mapping to LOINC codes.

See Spreadsheet attached to: SNOMED on FHIR Meeting (TB) - Tuesday 21 August 2018

- Normative vs. descriptive purpose - 1, 2, or 3 profiles?
- Unresolved modeling issues

9 v3.0.1 ProcedureRequest ReferralRequest v3.4.0 (publication Aug 19?) ServiceRequest X Daniel Karlsson
These two separate resources existed in the FHIR 3.0.1 Spec. Rob Hausam but have been removed in 4.0 and replaced with ServiceRequest http://build.fhir.org/servicerequest.html ServiceRequest

Questions:
- What determines which FHIR resource to use: the location of the data item in the sending system's information model, or the semantics of the particular code regardless of where it was found? Some hybrid of both?
- If the resource to be used is determined at least partly by the location in the sending information model, how does a requesting system cope with the fact that different implementations (or different users of the same implementation) both can and do store essentially the same clinical info in very different parts of the host information model?

Need to revisit the original questions raised in this group wrt the two separate resources of yore, and consider whether the same issues persists wrt the new single ServiceRequest resource.

10 Next meeting S 25 June
Andrew Perry going on sabbatical.

Meeting Files

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## Previous Meetings

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