

2020-06-30 - SNOMED on FHIR Meeting (TS)

Date

20:00 UTC on Tuesday 30 June 2020 - 90 minutes.

Objectives

- FHIR Terminology Services and Resources

Meeting Details

Online: <https://snomed.zoom.us/my/snomedhl7>

Phone: See <https://zoom.us/join> for available phone numbers (meeting id **242-348-6949**)

Chat: public-snomedintl.slack.com # snomed-hl7-fhir (ask for invite!)

Zulip Chat: <https://chat.fhir.org/#narrow/stream/179202-terminology>

Attendees

[Rob Hausam](#), [Peter G. Williams](#), [Peter Jordan](#), [Michael Lawley](#)

Apologies

Meeting Recording

Discussion items

Item	Description	Mins	Owner	Notes & Actions																		
1	Welcome and introductions	2	Peter G. Williams Rob Hausam	Recording, notes & attendance.																		
2	Summary of previous week and previous fortnight	5	Peter G. Williams Rob Hausam	<ul style="list-style-type: none">• 2020-06-23 - SNOMED on FHIR Meeting (TB)• 2020-06-16 - SNOMED on FHIR Meeting (TS)																		
3	Other Meetings	10	Peter G. Williams	<p>Upcoming events:</p> <p>30 June Suggestion to have a joint session 7 July to look at the IG and FSH (postponed from this week due to Daniel Karlsson vacation)</p> <p>FHIR Dev Days also an online event June 15 - 17. Introduction to SNOMED with FHIR video here (free registration required)</p> <p>HL7 Baltimore Sept 19 - 25. Confirmed fully virtual event. Connectathon Sept 9 - 11 (two weeks earlier)</p> <p>SI Business + Expo October Liverpool. Confirmed fully virtual event. SNOMED on FHIR Presentation.</p> <p><input checked="" type="checkbox"/> Peter G. Williams Submit abstract</p> <p>November FHIRLY Dev Days expected.</p>																		
4	R4A Position	15	Rob Hausam	<p>R4A probably not going to happen in the previously proposed form. More likely now to be an interim release of R5.</p> <p>Continued discussion around the direction semantics for maps. Current state:</p> <table><tr><th>Lvl</th><th>Code</th><th>Display</th></tr><tr><td>0</td><td>related-to</td><td>Related To</td></tr><tr><td>1</td><td>equivalent</td><td>Equivalent</td></tr><tr><td>1</td><td>source-is-narrower-than-target</td><td>Source Is Narrower Than Target</td></tr><tr><td>1</td><td>source-is-broader-than-target</td><td>Source Is Broader Than Target</td></tr><tr><td>0</td><td>not-related-to</td><td>Not Related To</td></tr></table>	Lvl	Code	Display	0	related-to	Related To	1	equivalent	Equivalent	1	source-is-narrower-than-target	Source Is Narrower Than Target	1	source-is-broader-than-target	Source Is Broader Than Target	0	not-related-to	Not Related To
Lvl	Code	Display																				
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5	\$translate with version	30	Peter G. Williams Jon Zammit	<p>In the case of SNOMED, the system will as always be just http://snomed.info/sct</p> <p>PWI advised that the crucial factor is the location of the map. The edition of the source and target is not important, so the use of the version parameter is prohibited. eg url=http://snomed.info/sct/731000124108/version/20200301?fhir_cm=6011000124106</p> <p>ML says Ontoserver uses conceptMapVersion for this as well because concept maps that do not use a url in this way also need to be able to specify a version. Suggestion that the version parameter might be used if the conceptMapVersion is not specified.</p> <p><input type="checkbox"/> Peter G. Williams write up in IG</p>																		

6	Use of effective time parameter in \$lookup	15	Michael Lawley	<p>Suggestion that effectiveTime be added as a SNOMED specific property in the specification, raised by Peter Jordan in https://jira.hl7.org/browse/FHIR-26555</p> <p>The effective time of the concept (as represented in the concept file) does not necessarily capture when it came into its current state since relationships (inferred or stated) could change independently. Arguably we should use the most recent change to any of concept, relationships, descriptions. And what would we expect to happen in the case of filtering. ML: Ontoserver uses the date in the concept file because it's not possible to know what the enquirer's use case is.</p>
7	Use of system and version parameters in Lookup and Subsumes	15	Jon Zammit	<p>Clarification that system parameter is the "class" of the code system and so is always http://snomed.info/sct in our case. The instance of the code system is a specific extension and effectiveTime should be supplied in the version parameter. Snowstorm and Ontoserver are aligned in this regard.. In the case of SNOMED CT we use a URI to declare our instance and so the system is entirely redundant in our specific case and the decision was made to not insist in it's use for Snowstorm.</p> <p>https://temp-snowstorm.ihtsdotools.org/fhir/CodeSystem/\$lookup?version=http://snomed.info/sct/900000000000207008&code=840539006</p> <p><input type="checkbox"/> Peter G. Williams put this explicitly in the implementation guide.</p> <p>DK: FSH apparently has no way of specifying the version of a CodeSystem. Daniel checking the ANTLR spec. https://github.com/FHIR/sushi/issues/473</p>
8	GPS and FHIR value set url(s)	15	Rob Hausam Peter Jordan	<p>https://chat.fhir.org/#narrow/stream/179202-terminology/topic/Indicating.20in.20a.20ValueSet.20.20SNOMED.20CT.20GPS.20.20Codes</p> <p><input type="checkbox"/> Peter G. Williams follow up on GPS as a published reference set to allow for simple definition as a ValueSet using the memberOf operator.</p>
9	What module(s) to use for the Canadian Edition	10	Peter G. Williams	<p>List of SNOMED CT Edition URIs replaced with 4.4.2 Edition URI Examples</p> <p>TODO: Check UK Modules in 4.4.1 National Editions</p>
10	Working with unversioned content	15	Peter G. Williams Daniel Karlsson	<p>Proposed example: http://localhost:8080/fhir/ValueSet/\$expand?url=http://snomed.info/sct/45991000052106/version/UNVERSIONED?fhir_vs=isa/27624003&designation=sv</p> <p>ML makes the case that unpublished content is not legitimate SNOMED and suggested using a not-SNOMED URI eg http://snomed.info/xsct/45991000052106 in this case the code system would still be http://snomed.info/xsct</p> <p>Outstanding question: our pre-release (alpha + beta) packages <i>do</i> have a version as a future date in them, and continue to exist (although unpublished) even after the official release has shipped.</p> <p>How would this look in a ValueSet expansion? Should we specify systemVersion or forceVersion in this case?</p> <p>Update 2 June: LOINC have a similar issue with "Pre-release" identifiers - current release 2.6.7. Version 2.6.8PRE will contain the pre-release content. "To be useful they need to be considered part of the code system"</p> <p>However in the case of SNOMED CT we would NOT condone unpublished identifiers being used in production systems. In the case of the COVID-19 concepts an interim release was done as an official release for 20200309. The use case here is for producers of SNOMED CT to reference concepts internally - as a work in progress.</p>
11	FHIR Roadmap	5	Peter Jordan	R5 being pushed back. GG seeking opinion on 4.1.0 - an opportunity to clean up some descriptions.
12	FHIR Server Federation	10	Michael Lawley	Use case for fall back lookup when server does not know the answer to any particular question eg a façade server which has knowledge of all services it could potentially delegate to.
13	Language Reference Sets in FHIR	45	All	<p>Mechanisms for working with Languages</p> <p>Designation extension</p> <p>Update 19 May: Suggestion that we work an example for SNOMED to discuss with Regenstrief (LOINC)</p> <p>Update 2 June: Started worked example Designation Extension Example</p>
14	SNOMED Family of Languages	10	Peter Jordan Michael Lawley	Impact of proposed changes (eg text searching in ECL) on FHIR. Questions around which language reference sets to use when there are multiple, especially partial/overriding context (referred to MAG for discussion)
15	SNOMED FHIR Implementation Guide	60	Peter G. Williams	<p>Implementation Guide for using SNOMED CT with FHIR.</p> <p>Update 10 Dec: DK - main problem is URI/Ls which publisher has fixed ideas about. Publisher does not examine all folders - looks in profiles but not subfolders and doesn't seem to look in ValueSet folder.</p> <p>Update 21 Jan: DK and RH have merged commits and these can be seen in the HL7 server build: http://build.fhir.org/ig/IHTSDO/snomed-ig/branches/new-template/ and build errors here: http://build.fhir.org/ig/IHTSDO/snomed-ig/branches/new-template/qa.html</p> <p>Update 11 Feb: Grahame said that he'd show us how to set the URI so that it doesn't have to follow the base URI. Next person to try that can we fire a Zulip off to ask about it?</p> <p>Update 16 June: DK wondered about moving everything to FSH (FHIR Short Hand) as it's so much easier to maintain. ML: Conversion available, but round trip problematic. DK page Re: snowstorm FHIR requirements, issues, etc.</p> <p>IG Documentation: http://build.fhir.org/ig/FHIR/ig-guidance/index.html</p> <p>Also look at the sample IG https://github.com/fhir/sample-ig see build http://build.fhir.org/ig/FHIR/sample-ig/</p> <p><input type="checkbox"/> Rob Hausam to speak to Lloyd about extending the base template as per http://build.fhir.org/ig/FHIR/ig-guidance/template.html Update 24 March: Documentation on this is "TODO"</p> <p><input type="checkbox"/> Peter G. Williams FHIR core content to be copied over to Snowstorm instance.</p>

16	Any other business			Next time: ML Post coordination - primitive <<< syntax, what does this mean in practice?
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Potential Items for Discussion

Description		Owner	Notes & Actions
API for FHIR Resource Post coordinated expression mapping		Peter G. Williams	<p>API for FHIR Resource to SNOMED Expression</p> <ul style="list-style-type: none"> ✓ Daniel Karlsson Thought there might be some documentation from CIMI on this. Also notes from DMarkwell about constructor bindings. ✓ Peter G. Williams Pull these notes into confluence - can we mention it in the IG?
Looking up an SCTID in an unknown module		Peter G. Williams	<p>Problems when dependencies do not align. Multiple code system resources represent multiple editions / versions.</p> <p>ML: See code parameter to code system search. Should return code systems (ie versions) where that code is defined. International concepts would appear in every edition known to the server.</p> <p>eg /CodeSystem?system=http://snomed.info/sct&code=12345678&_elements=version</p> <ul style="list-style-type: none"> ✓ Peter G. Williams Ticket implementing this lookup. Note that this could be implemented more generally for lookups of <a href="http://snomed.info/id/<SCTID>">http://snomed.info/id/<SCTID> where the SCTID exists in an extension. Done - see STORM-262.
GPS			See Discussion on Global Patient Set (GPS)
FHIR Shorthand		Michael Lawley	<p>https://github.com/HL7/fhir-shorthand/wiki</p> <p>https://build.fhir.org/ig/HL7/fhir-shorthand/FSHQuickReference.pdf</p> <p>Tooling: https://github.com/FHIR/sushi</p>
\$lookup operation - properties returned		Peter Jordan	<p>Using http://ontoserver.csiro.au/vstool/ I noticed that both Ontoserver and SnowStorm return a SNOMED CT \$lookup property for effectiveTime, which I don't see listed, as one of the SNOMED CT properties in the FHIR R4 specification at http://hl7.org/fhir/snomedct.html. Should we create a Jira Ticket to add this?</p> <p>Completed - https://jira.hl7.org/browse/FHIR-26555</p>
Use of url parameter	15	Peter G. Williams	<p>CodeSystem "class vs instance" in url parameter between CodeSystem and ValueSet operations.</p> <p>CodeSystem is understood.</p> <p>In Valueset, url is the ValueSet url for example url = http://snomed.info/sct?fhir_vs= allows for the version URI to be used as stated in https://build.fhir.org/snomedct.html The base URL is either http://snomed.info/sct blocked URL, or the URI for the edition version, in the format specified by SNOMED International in the <i>SNOMED CT URI Specification</i>.</p> <p>The ValueSet version valueSetVersion is just some string identifier eg a timestamp or 0.1.0</p>
ECL in the Valueset Expression Extension	10	Rob Hausam	<p>Check whether SNOMED ECL is (or should be) registered as a MIME type (as per RFC 4289/BCP 13), or alternatively added to the expression-language code system and value set, for use in the valueset-expression extension used with the ValueSet resource.</p> <p>For example, HL7 have registered application/json+fhir</p> <p>This is useful for a ValueSet extension which allows any language to be used to define the selection criteria for an intensional definition using a MIME type. This group has no current reason to use that extension given the existing core specification support for implicit ValueSet definition and the support within the compose element.</p> <p>RDF community may have an interest.</p> <p>Update 2 June RH: Existing small valueset extended in BCP13 (existing known codes could be published as a CodeFragment). Vocab Working Group discussion ongoing.</p>
Behaviour on Lookup	10		<p>What properties are returned?</p> <p>Discussion: Both Ontoserver and Snowstorm are returning EffectiveTime which is not listed here (unlike other SNOMED specifics): https://build.fhir.org/snomedct.html</p> <ul style="list-style-type: none"> ✓ Peter Jordan to raise a Jira ticket to ask for this to be returned - completed https://jira.hl7.org/browse/FHIR-26555 <p>Point of interest: Grahame's server returns a copyright property.</p> <p>Update 7 April - Question about whether this is required / desirable?</p>

Meeting Files

File	Modified
PNG File image2020-6-30_21-16-3.png	2020-Jun-30 by Peter G. Williams

