

Early Visibility - Planned changes to upcoming SNOMED International Release packages

Overview of Current Notices

For additional Relevant links with regards to [Content Development Information](#) please click here [Content Development Information](#)

Proposed improvement	Planned Release date (*this is provisional only and is subject to change)
1 LOINC timeline changes - please refer to Roadmap link here LOINC	July 2018 and potentially other future releases.
<p>2 <u>Revision of IS A relationships for anatomy concepts</u></p> <p>The new anatomy concept model has implemented the new Description Logic features, e.g. reflective and transitive property, general concept axioms, for consistent logical modeling. However, the new model cannot be implemented in production because these DL features currently are not available in production. The implementation of them will depend on the enhanced logic profile for SNOMED CT which is under development by the Modeling AG. Yet, the inferred IS A relationship from the OWL anatomy ontology can be reviewed and implemented in the production. This will utilise the outcomes of the new anatomy model as well as evaluate the design of the new model. In particular, it is important to review the changes of IS-A relationships in anatomy for quality assurance and minimise impact to other hierarchies, such as disorders, procedures, observables, situations etc.</p> <p>The first subject area for revision is the sub-hierarchy of skin structure. The majority changes have been made in the January 2018 release. The rest will be completed in July 2018 and following releases.</p> <p>The subject area for revision of IS A relationships will be determined and updated in the following confluence page. https://confluence.ihtsdotools.org/display/IAP/Revision+of+IS-A+relationships+for+anatomy</p>	July 2018 International Edition
<p>3 <u>Summary of Drugs changes</u></p> <p>New hierarchies 766940004 Role (role) and subhierarchy 766941000 Therapeutic role (role) created with additional subtypes to be added in future releases</p> <p>New semantic tags (role)</p> <p>Attribute types New attributes created:</p> <ul style="list-style-type: none"> • 766953001 Count of active ingredient (attribute) • 766954007 Count of base and modification pair (attribute) • 766952006 Count of base of active ingredient (attribute) • 763032000 Has unit of presentation (attribute) • 766939001 Plays role (attribute) <p>Group concepts representing disposition, intended site, and/or structure Group concepts representing disposition, intended site, and/or structure sufficiently defined by modeling to proximal primitive concept, adding defining attributes, and updating descriptions per editorial guidelines (n550).</p> <p>New high level grouper concepts created as an incremental improvement with additional subtypes to be added in future releases:</p>	July 2018 International Edition

- 766779001 |Medicinal product categorized by disposition (product)|
- 763760008 |Medicinal product categorized by structure (product)|
- 767102007 |Medicinal product categorized by chemical element (product)|

Product role concepts Concepts representing product role relocated as stated descendants of 763087004 | Medicinal product categorized by role (product) with definition status = primitive and attributes inactivated (n 400)

For further details see [Briefing Note Use of Additional Axiom Functionality and Remodeling Product Roles](#)

Medicinal product (MP) concepts - MP-containing concepts sufficiently defined by modeling to proximal primitive concept, adding defining attributes, and updating descriptions per editorial guidelines (n 3750). Includes the following attributes:

- Has active ingredient (n4650)

Medicinal product form (MPF) concepts - MPF-containing concepts sufficiently defined by modeling to proximal primitive concept, adding defining attributes, and updating descriptions per editorial guidelines (n2100). Includes the following attributes:

- Has active ingredient (n2400)
- Has manufactured dose form (n2150)

Clinical drug (CD) concepts - CD-containing precisely concepts sufficiently defined by modeling to proximal primitive concept, adding defining attributes, and updating descriptions per editorial guidelines (n 4850). Includes the following attributes:

- Count of base of active ingredient (n4850)
- Has basis of strength substance (n5600)
- Has concentration strength denominator unit (n1450)
- Has concentration strength denominator value (n1450)
- Has concentration strength numerator unit (n1450)
- Has concentration strength numerator value (n1450)
- Has manufactured dose form (n4850)
- Has precise active ingredient (n5550)
- Has presentation strength denominator unit (n4750)
- Has presentation strength denominator value (n4750)
- Has presentation strength numerator unit (n4750)
- Has presentation strength numerator value (n4750)

Documentation Notification for Briefing Notes, Editorial Guidelines, and other documentation updates are posted on the project group website as they become available; see [Drug Model Working Group - Directory](#) for details

Briefing

[Briefing note - Use of Additional Axiom Functionality and Remodeling Product Roles.pdf](#)

[Briefing note - Implications of describing liquid dose form product concepts using presentation strength.pdf](#)

4 **Summary of Substances Changes**

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Dietary subhierarchy. To remove context of use from the substance concepts and manage the situation where substances can be both a pharmaceutical ingredient and a foodstuff (n80) that had a tag of "- dietary" in the Fully Specified Name (FSN) and the Preferred Term (PT) were inactivated. Replacement concepts concept without "-dietary" in the FSN and PT were created. The top level concept "Dietary substance (substance)" has been inactivated and replaced with a new concept "Edible substance (substance)".

Radioactive isotope substances. These concepts have been remodelled and the terming normalised to provide consistent representation without the use of carats.

Cancer related substance. The subhierarchy has now been removed. Some concept have been inactivated. Some have been moved within the substances hierarchy.

Disposition Groupers

- Existing Disposition groupers for substances have been remodeled and are now Fully Defined in the July 2018 data.
- Additional Disposition Groupers for substances have been created (n50).
- A new substance top level concept of "Substance categorized by disposition (substance)" has been created to allow substances with dispositions to be modeled as proximal primitive.

Structural Groupers

- Existing structural groupers have been retained as primitive substance concepts.
- Additional Structural Groupers for substances have been created. (n20).
- Chemical element groupers Inactivated and recreated to avoid the use of AND/OR and provide consistent modeling.

Combined Groupers (Structure + Disposition)

- Existing concepts be have been remodeled as Fully Defined concepts in the July 2018 data

Role Groupers

- Concepts that are Role grouper substances have been inactivated and others replaced (n100). This work is ongoing and further inactivations will be made in future releases. The retention of some role based groupers in the substances hierarchy means that some substances are not currently classifying correctly.

The "**Is modification**" of **attribute** has been implemented (n1200) resulting in flattening of the substances hierarchy.

Overall 447 new concepts added to the substances hierarchy. Just over 460 substance concepts have been inactivated in the July 2018 SNOMED CT release.

Documentation Notification for Briefing Notes, Editorial Guidelines, and other documentation updates are posted on the project group website as they become available; see [Project Status Substance Hierarchy](#) for details.

5 **Internal QA - Situation and Findings**

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Test and procedure status: Inactivated 143 concepts in the Situations and Findings hierarchies with pattern "Test/procedure OFFERED" and "Test/procedure NOT OFFERED" as these represent an administrative status.

<p>6 <u>Internal QA - Qualifier Value</u></p> <p>Inactivation of Agencies and organizations (qualifier value) and subtypes: moved to UK extension i.e. 66 concepts inactivated.</p>	<p>July 2018 International Edition</p>
<p>7 <u>Replacement of OWL conversion script with a link to the open source directory</u></p> <p>In January 2017 the original OWL conversion script (a.k.a. the "Spackman OWL script") was removed from the International Edition package, and has since been published as a separate artefact alongside each Release.</p> <p>Because this script does not recognize the two new OWL refsets (see section 3.3.2 of these Release Notes), the Terminology Release Advisory Group has determined that the script should no longer be distributed.</p> <p>Going forward, Release Notes will now include a link to the new open source OWL conversion toolkit that can be found in the following repository (including documentation on its use):</p> <p>https://github.com/IHTSDO/snomed-owl-toolkit</p> <p>Please contact SNOMED International at support@snomed.org if you would like to provide any feedback on ways to extend and improve the new toolkit.</p>	<p>July 2018 International Edition</p>
<p>8 <u>Deprecation of the Technical Guide Exemplars document from the International Edition release package</u></p> <p>The Terminology Release Advisory Group has confirmed that there should be no impact from removing this almost entirely static document from the International Edition release package, and hosting it instead in a Confluence Page. From the July 2018 International release then, we will deprecate this file (doc_Icd10MapTechnicalGuideExemplars_[date].xlsx) from the Release package, and instead provide a link in the Release Notes to the new Confluence Page. Please see section 2.4.1.3 of the Release Notes for the relevant link.</p>	<p>July 2018 International Edition</p>
<p>9 <u>Replacement of OWL conversion script with a link to the open source directory</u></p> <p>In January 2017 the original OWL conversion script (a.k.a. the "Spackman OWL script") was removed from the International Edition package, and has since been published as a separate artefact alongside each Release. Because this script does not recognize the two new OWL refsets (see Item 7 above), the Terminology Release Advisory Group has determined that the script should no longer be distributed.</p> <p>Going forward, Release Notes will now include a link to the new open source OWL conversion toolkit that can be found in the following repository (including documentation on its use):</p> <p>https://github.com/IHTSDO/snomed-owl-toolkit</p> <p>Please contact SNOMED International at support@snomed.org if you would like to provide any feedback on ways to extend and improve the new toolkit.</p>	<p>July 2018 International Edition</p>