Title: SNOMED CT Status Web Service

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Audience

Applications using SNOMED CT which need to know the current status of SNOMED CT concepts.

Objectives

This service provides clients with the status of a given SNOMED CT concept in the latest release, including the current identifier for obsolete concepts that have been remapped.

Abstract

In medical terminologies, new releases of the data introduce new concepts, remove obsolete concepts and reorganize others through remapping. The SNOMED CT Status web service provides the status information for any SNOMED CT concept which has appeared in the SNOMED CT data set, allowing users to update their information to the latest SNOMED CT release.

Possible use cases:

1) An application defines value sets against a given version of SNOMED CT. Using the web service would update the SNOMED CT concept identifiers to the current active ones. (For example, the *NLM Value Set Authority Center* uses this service to help value sets developers update their value sets as SNOMED CT evolves).

2) An application which uses SNOMED CT data and accepts user requests would use the web service to validate that the identifiers are current or are remapped to new identifiers. (For example, *MedlinePlusConnect* uses this service to check the SNOMED CT identifiers it receives as input).

Access to the web service [1] can be achieved either through the RESTful interface or via the SOAP interface. The web service takes as input the SNOMED CT concept identifier and returns the status along with the effective time and the mapped identifiers. For the RESTful interface the information can be returned in XML or JSON format. A Web Service Definition Language (WSDL) file defines the details for the SOAP interface.

Example (SOAP): getStatus(187959005)

returns: STATUS: 2, EFFTIME: 20120131, ID: {449627008, 449628003}

In the above example, the SNOMED CT concept identifier 18795005 has been moved (status=2) to two concepts, 449627008 and 449628003.

References

[1] http://rxnav.nlm.nih.gov/SnomedCTAPI.html