

SNOMED CT to GMDN Simple Map Edition Release Notes

January 2016



Leading healthcare
terminology, worldwide

Date	20160131
Version	1.0
Status	Final

Approvals

Final Version	Date	Approver	Comments
1.0	20160316	Ian Green	Final Version

Amendment History

Version	Date	Editor	Comments
1.0	20160316	Ian Green	Final version

© International Health Terminology Standards Development Organisation 2016. All rights reserved. SNOMED CT® was originally created by The College of American Pathologists.

This document forms part of the SNOMED CT to GMDN Simple Map Edition release of SNOMED CT® distributed by International Health Terminology Standards Development Organisation (IHTSDO), which is subject to IHTSDO's SNOMED CT® Affiliate License, details of which may be found at <http://www.ihtsdo.org/snomed-ct/get-snomed-ct/>.

No part of this document may be reproduced or transmitted in any form or by any means, or stored in any kind of retrieval system, except by an Affiliate of IHTSDO in accordance with the SNOMED CT® Affiliate License. Any modification of this document (including without limitation the removal or modification of this notice) is prohibited without the express written permission of IHTSDO.

Any copy of this document that is not obtained directly from IHTSDO [or a Member of IHTSDO] is not controlled by IHTSDO, and may have been modified and may be out of date. Any recipient of this document who has received it by other means is encouraged to obtain a copy directly from IHTSDO [or a Member of IHTSDO]. Details of the Members of IHTSDO may be found at <http://www.ihtsdo.org/members/>.

This material contains content from the Global Medical Device Nomenclature (GMDN®) that is published with the permission of the GMDN Agency (<https://www.gmdnagency.org/>). The GMDN® codes are copyright © 2016, GMDN Agency. Organizations wishing to use the GMDN® codes in the SNOMED CT to GMDN Simple Map edition must obtain a "Linkage Table License" directly from the GMDN Agency.

Table of Contents

- Introduction
- Audience for this document
- Background
- Release content
 - Overview
 - Content detail
 - Updated GMDN content since November 2011
 - Language preferences
 - Effective date
- The SNOMED CT International Medical Devices Project
 - Overview of phases

Introduction

The SNOMED CT terminology provides a common language that enables a consistent way of indexing, storing, retrieving, and aggregating clinical data across specialties and sites of care. The International Health Terminology Standards Development Organization (IHTSDO[®]) maintains the SNOMED CT technical design, the content architecture, the SNOMED CT content (includes the concepts table, the descriptions table, the relationships table, a history table, and ICD mappings), and related technical documentation.

This document is intended to give a brief description, background context and explanatory notes on the SNOMED CT International Medical Devices project and the supporting release files. This document covers the background of medical devices in SNOMED CT and the Global Medical Devices Nomenclature (GMDN) and goes on to cover the additional release artefacts. It is not a detailed technical document of SNOMED CT, GMDN or the SNOMED CT International Medical Devices release. Nor does it seek to provide an editorial policy for medical devices.

Audience for this document

This document should be read by all those (National Release Centers, WHO-FIC Collaborating Centers, vendors of electronic health records, terminology developers and managers) with an interest in medical device development in SNOMED CT.

Background

The decision of the joint IHTSDO Management Board and General Assembly in October 2010 was to work towards a harmonization agreement with the Global Medical Devices Nomenclature Agency (GMDNA), owners of the Global Medical Devices Nomenclature (GMDN), with the intention that the content of GMDN be integrated with the basic terminological content of the medical devices component of the International Release of SNOMED CT. In April 2012 the culmination of discussions between the IHTSDO and GMDNA was the signing of a harmonization agreement which now permits the IHTSDO to use the content of GMDN as the future basis of the medical device component of SNOMED CT and conversely for the GMDN Agency to use any SNOMED CT medical device content to inform GMDN development. The collaboration is consistent with the aims of both organizations to minimize duplication of effort and support international harmonization.

Release content

Overview

The medical devices derivative content is released under a project-specific module (466707005|SNOMED CT Medical Devices module) with component identifiers that are within the main IHTSDO (International Release) namespace. The content links into the main International Release Physical Object hierarchy, and therefore all the fully specified names have a ("physical object") semantic tag. All the concepts are primitive i.e. no modeling beyond the subtype relationships, and the hierarchical organization is based on existing GMDN groupings ('collective terms').

Content detail

Under the terms of the Harmonization agreement between the IHTSDO and the GMDNA, only active GMDN Preferred Terms were under consideration for inclusion in the SNOMED CT International Release. Of these approximately 11,000 are In Vitro Diagnostic medical device (IVD) terms. These terms are authored to a different level of granularity than the rest of the GMDN content and set them apart in this difference. The level of detail they hold was discussed and the IHTSDO made the decision to not include them in SNOMED CT until a compelling use case for the IVD terms is identified, from the perspective of SNOMED CT users.

Each SNOMED CT new concept has at least 2 descriptions (Fully Specified Name and Synonym). Following International Edition editorial policies, GB and US spelling variants were generated as necessary and the preferences reflected in the corresponding language reference sets. A third reference set (608771002|GMDN language reference set) is included to enable the identification of the original GMDN term, as in a small number of cases minor editing has been necessary to align terms to SNOMED CT International Edition naming conventions (i.e. acronyms included in original GMDN terms were expanded in the FSNs derived from them).

To enable the tracking of the relationship between SNOMED CT concepts and GMDN terms across releases, the preliminary linkage table has been replaced by a simple map reference set between SNOMED CT concepts and GMDN terms (467614008|GMDN simple map reference set).

Updated GMDN content since November 2011

Active GMDN terms that were not categorized as In Vitro Devices (IVDs) and were not included in the November 2011 version of the GMDN database were considered for inclusion. Concepts that were not categorized as IVDs in 2011 and were flagged as such in 2013 were reviewed and considered in scope for inclusion (they are retained in this preview, even if they are now categorized as IVDs). Finally, GMDN terms that have changed their wording since 2011 were reviewed, and those that implied a shift in the original meaning were included in this release reflecting the November 2013 GMDN database status (the old terms were discarded and new SCTIDs were issued to avoid any potential ambiguity).

Language preferences

The original English language used to represent GMDN terms is 'European English' and therefore spellings conform to US derivative in some instances and GB in others. GMDN terms also include spellings with US and GB variants in the same description. New descriptions were created to align content with International Edition practices, including the expansion of acronyms in FSNs. As a result, this preview includes three Language reference sets to enable browsing of preferred terms following US and GB spelling variants as well as original GMDN preferred terms. It is important to preserve the GMDN description as this is the name applied in the regulatory realm and therefore has a very clear separate use case from the en-GB and en-US reference sets.

Effective date

All component states on the January 2016 GMDN Map edition have the value of effectiveTime field set to 20160131.

The SNOMED CT International Medical Devices Project

Overview of phases

The scope of the SNOMED CT International Medical Devices Project is the delivery of a concept model to support medical devices within SNOMED CT, and the continuous alignment of SNOMED CT with GMDN. Given the major scale of this scope, work has been broken down into 4 major Project Phases.

Project Phase 1: to deliver the first GMDN International Release in SNOMED CT and Proposals for the Medical Devices Concept Model. The medical devices content will to be updated (provided through the agreement with GMDN) in the six monthly SNOMED CT International Release. This will continue whilst the concept modeling developments are underway (phase 2) prior to the modeled data becoming fully available.

Project Phase 2 Aim: to design and implement a robust SNOMED CT Medical Devices Concept Model, populated with SNOMED CT compliant and up to date GMDN preferred terms to levels of granularity similar to the drug product "Virtual Therapeutic Moiety" or VTM level, ready for implementation and development by domain experts and the broader IHTDSO member community at the end of this period. The data will be equivalent in granularity to the level of VTM within the pharmacy domain.

Project Phase 3 Aim: to refine the SNOMED CT Medical Devices Concept Model to greater levels of granularity using prioritized use cases and categories, with development following collaborative authoring best practice to target eight categories per year.

Project Phase 4 Aim: To most cost-effectively maintain the SNOMED CT model in an established business as usual model.