SNOMED CT Managed Service - Ireland Extension PRODUCTION
Release Notes - April 2022

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Introduction

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 organisation (IHTSDO®), trading as SNOMED International, 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.

The SNOMED CT Irish Extension - packages these components for release every April and October, to be used with the latest SNOMED CT International Edition release.

The same content can be viewed online using the SNOMED CT browser, and eHealth Ireland website

Background

This document provides a summarized description of the content changes included in the April 2022 Production release of the SNOMED Clinical Terms® Managed Service Ireland Extension package.

It will also include technical notes detailing the known issues which have been identified (should any of these exist). These are content or technical issues where the root cause is understood, and the fix has been discussed and agreed, but has yet to be implemented.

This Ireland Extension package is dependent upon, and should therefore be consumed in conjunction with the SNOMED CT® January 2022 International Edition release.

Scope

This document is written for the purpose described above and is not intended to provide details of the technical specifications for SNOMED CT or encompass every change made during the release.

Content Development Activity

Summary

Content from the SNOMED CT® January 2022 International Edition release has been included, alongside additional components for use in Ireland.

This extension contains concepts, relationships and reference sets for healthcare professionals.

New and Updated Content

New content in this release:

This is the 7th SNOMED CT Irish Edition Production release.

New and updated content

Concept statistics

File	Changes
Concept	35 records added/updated + 1 records inactivated
Description (EN)	87 records added/updated + 0 records inactivated

Language (EN)	3157 records added/updated + 8776 records inactivated
Inferred Relationship	67 records added/updated + 2 records inactivated
OWL Expression	35 records added/updated + 1 records inactivated
TextDefinition	0 records added/updated
Association Reference	1 records added/updated + 0 record inactivated
AttributeValue	4 records added/updated + 0 record inactivated
RefsetDescriptor	7 records added (for new refsets this cycle)

The SNOMED Irish National Release Centre published

Table 1.1 New concepts in the Irish Edition April release

Total number of concepts	35

Assessment scales	3
Disorder	1
Finding	1
Foundation metadata concept	1
Medicinal Product	1
Observable entity	1
Procedure	7
Record artifact	8
Regime/therapy	3
Situation	2
Supplier	1

Table 1.2

Relationships	
Total active relationships	87
Inactivation's	0
Total active descriptions	87

Refer to Appendix 1, Table 1.2 to view the new relationships

This content was derived through the Dataset Specification Process (DSMP)and includes concepts from

Table 1.3

Reference sets

Chronic Disease Management Refset	0 records added/updated
Coronavirus Refset	0 records added/updated
Gynaecology Discharge Summary Refset	0 records added/updated
Irish National Early Warning Score Refset	0 records added/updated
Make Every Contact Count Ireland refset	0 records added/updated

Safeguarding Ireland refset	0 records added/updated
eServices Ireland refset	0 new record added/updated
Ireland Nursing & Midwifery Quality Care-Metrics Dataset refset Ireland	1 new record added, 1 updated + 1 record inactivated
Antimicrobial stewardship Performance Indicator Measurement System (APIMS) Data Set for Ireland	*202 new records for this brand new refset*
Dentistry Refset Ireland	*667 new records for this brand new refset*
Lymphodema Ireland Refset	*17 new records for this brand new refset*
National Ambulance Service Ireland Refset	*111 new records for this brand new refset*
Patient Flow Datset Ireland Refset	*247 new records for this brand new refset*
Public Health Nurse clinical caseload dataset Ireland refset	*91 new records for this brand new refset*

Table 1.4

Text Definitions

Text definitions (metadata)	3

Table 1.5

Content Promoted through CRS from IPU and acute medicines management programme

Sept content 1/10/2021	2
November content 12/11/2021	33
January content 9/2/2022	15
March content 29/3/2022	35
Total since Oct 2021 release:	103

Table 1.6

Content Promoted from other extensions to SNOMED International

Content promoted from other extensions	3

The SNOMED Irish National Release Centre promoted 103 new concepts and these will be available in the SNOMED CT May 2022 International Edition release.

Refer to Appendix 2, Table 1.2 to view

Technical notes

Known Issues

Known Issues are content or technical issues where the root cause is understood, and the resolution has been discussed and agreed but has yet to be implemented. This can be due to a number of reasons, from lack of capacity within the current editing cycle, to the risk of impact to the stability of SNOMED CT if the fix were to be deployed at that stage in the Product lifecycle.

For the SNOMED CT Managed Service - Ireland Extension Release, the following Known Issues were identified, and agreed to be resolved in the next editing cycle:

Key	Summary	Description	P
No issues found			

Resolved Issues

Resolved Issues are those where the resolution has been discussed and agreed, and has been implemented in time for this release.

For the SNOMED CT Managed Service - Ireland Extension Release, the following Issues were Resolved:

Key	Summary	Description	P

ISRS-1238	RVF Assertion failure: d1417dd6-7a74-4e67-8dc0-156e7c4c489c	testType: "SQL", assertionUuid: "d1417dd6-7a74-4e67-8dc0-156e7c4c489c", assertionText: "The refsetId of a refset member must be an existing and active concept", failureCount: 202, firstNInstances: [• { conceptId: "174241000220114", detail: "Refset id:174241000220114 in simple refset member must be an existing and active concept.", componentId: "80ab120a-909a-4a5e-965d-6d40d03e3aac", fullComponent: "1,11000220105,174241000220114,776694006" } • { conceptId: "174241000220114", detail: "Refset id:174241000220114 in simple refset member must be an existing and active concept.", componentId: "826952cf-742d-4acf-bfb1-468f54e72539", fullComponent: "1,11000220105,174241000220114,198130006" } • { conceptId: "174241000220114", detail: "Refset id:174241000220114 in simple refset member must be an existing and active concept.", componentId: "85c9c483-0bdd-4309-9776-abe921945801", fullComponent: "1,11000220105,174241000220114,775449004" } RESOLUTION: Resolved in time for the April 2022 Ireland Extension release, by correcting the RefsetID in the new refset to the expected ID (74921000220101).	3
ISRS-1239	RVF Assertion failure: f68c761b-3b5c-4223-bc00-6e181e7f68c3	testType: "TRACEABILITY", assertionUuid: "f68c761b-3b5c-4223-bc00-6e181e7f68c3", assertionText: "All components in the branch traceability summary must also be in the RF2 export.", failureCount: 2, firstNInstances: [• { conceptId: "359592009", detail: "Refset member change for f720a3c5-dc78-454f-904f-9b84db332a25 in traceability is missing from RF2 export.", componentId: "f720a3c5-dc78-454f-904f-9b84db332a25" } • { conceptId: "359592009", detail: "Refset member change for 42caa0b7-a391-42fe-ba85-26124c57cd3b in traceability is missing from RF2 export.", componentId: "42caa0b7-a391-42fe-ba85-26124c57cd3b" } RESOLUTION: SNOMED International Dev Team confirmed that these are false positives - ticket raised to refine RVF assertion. No action required with respect to the Ireland content.	3

ISRS-1240	RVF Assertion failure: 0e898ae0-15cb-45f9-b032-041193aa79e8	testCategory: "file-centric-validation,US,EXTENSION", testType: "SQL", assertionUuid: "0e898ae0-15cb-45f9-b032-041193aa79e8", assertionText: "The refset id of components should be in refset descriptor list", queryInMilliSeconds: 5333, failureCount: 1, firstNInstances: [{ conceptId: "0", detail: "simplerefset ::id= 0133b613-4f17-4cf3-a3a9-5edf18224a13 ::refset id: 174241000220114 is not in refset descriptor list", fullComponent: "" } RESOLUTION: Resolved in time for the April 2022 Ireland Extension release, by correcting the RefsetID in the new refset to the expected ID (74921000220101).	3

3 issues

Notice of changes to the International Edition Release Schedule

As you may already know SNOMED International have transitioned to a monthly delivery schedule for the International Edition of SNOMED CT. The move towards more frequent releases of SNOMED CT will realize several benefits, including:

- The potential to be able to get content changes into the terminology in a shorter time frame.
- The fostering of better interoperability, as a result of entities being able to consume release content that is more aligned with other organizations.
- The prevention of circular dependencies that occur in longer projects, due to the move towards smaller, more manageable authoring projects.
- More automated validation services, as a result of the inherent removal of the Alpha/Beta stages in the Release cycle.

Whilst most users will continue unaffected (as they can simply continue to download the releases every 6 months as always), this transition will necessarily involve a few changes to process/packages:

- **Delta files have been removed from both International and Managed Service release packages, including the Ireland Extension.** A Delta Generation service will be provided for those who need it. The Delta Generation Tool allows users to create their own Delta between two fixed release dates - you can find it here:
  - https://github.com/IHTSDO/delta-generator-tool/releases

- The ICD-O/ICD-10 Maps will continue to be published in each Monthly International Edition release package (in line with that month's content) for the foreseeable future, unless we experience issues with the new process in Production, and they need to be removed at a later date.

The first monthly Release of the SNOMED CT International Edition was published on the 28th February 2022 with the Delta files having been removed, and therefore they will be removed from the Ireland Extension from the April 2022 Release onwards.

Please note - While the SNOMED CT International Edition is moving to monthly releases, the Ireland Extension of SNOMED CT will remain on the current bi-annual release schedule of April and October for 2022.

Appendix 1

Table 1.1 New concepts

11621000220104	Irish Maternity Early Warning System (assessment scale)	(assessment scale)
84741000220100	Irish Paediatric Early Warning System (assessment scale)	(assessment scale)
84901000220104	Infective exacerbation of cystic fibrosis (disorder)	(disorder)
74901000220105	Columnar cell lesion of breast (finding)	(finding)
74921000220101	Antimicrobial stewardship Performance Indicator Measurement System (APIMS)Data Set for Ireland (foundation metadata concept)	(foundation metadata concept)
41661000220104	Breastcheck screening service reference set (foundation metadata concept)	(foundation metadata concept)
74931000220103	Dentistry refset Ireland (foundation metadata concept)	(foundation metadata concept)
84731000220109	Lymphodema reference set Ireland (foundation metadata concept)	(foundation metadata concept)
61681000220104	National ambulance service reference set (foundation metadata concept)	(foundation metadata concept)
73041000220108	Patient Flow Dataset Ireland (foundation metadata concept)	(foundation metadata concept)
61671000220102	Public health nurse clinical caseload dataset Ireland (foundation metadata concept)	(foundation metadata concept)
62051000220105	Janssen COVID-19 Vaccine 0.5 millilitre suspension injection Janssen Inc (medicinal product)	(medicinal product)

62071000220101	Personal public service number (observable entity)	(observable entity)
84881000220101	Bed rail risk assessment (procedure)	(procedure)
11661000220109	Care bundle (procedure)	(procedure)
11671000220103	Care bundle for medical device (procedure)	(procedure)
84761000220101	Face, legs, activity, cry, consolability pain assessment scale (procedure)	(procedure)
11651000220107	Introduction situation, background assessment recommendation (procedure)	(procedure)
84871000220104	Manual handling risk assessment (procedure)	(procedure)
84891000220103	Subcutaneous cannulation (procedure)	(procedure)
84821000220100	Frailty care plan (record artifact)	(record artifact)
84861000220105	Home support service care plan (record artifact)	(record artifact)
84791000220108	Incontinence associated dermatitis care plan (record artifact)	(record artifact)
84841000220106	Neurogenic bowel care plan (record artifact)	(record artifact)
84781000220105	Pressure ulcer prevention care plan (record artifact)	(record artifact)
84851000220108	Urinary catheter care plan (record artifact)	(record artifact)
84951000220100	Urinary incontinence care plan (record artifact)	(record artifact)

84831000220102	Wound care plan (record artifact)	(record artifact)
84801000220109	Care of incontinence sheath (regime/therapy)	(regime/therapy)
84961000220103	Care of neurogenic bowel (regime/therapy)	(regime/therapy)
84811000220107	Care of postnatal depression (regime/therapy)	(regime/therapy)
11631000220101	Cardiotochogram indicated (situation)	(situation)
11641000220105	Postnatal risk factors (situation)	(situation)
62041000220108	Janssen Inc. (supplier)	(supplier)

Appendix 2

Table 1.2

These are new incoming relationships.

273249006	Assessment scales (assessment scale)	(assessment scale)
76752008	Breast structure (body structure)	(body structure)
361713003	Entire subcutaneous tissue (body structure)	(body structure)
321667001	Respiratory tract structure (body structure)	(body structure)
195647007	Acute respiratory infection (disorder)	(disorder)

17097001	Chronic disease of respiratory system (disorder)	(disorder)
177010002	Chronic infectious disease (disorder)	(disorder)
116339002	Breast finding (finding)	(finding)
86569001	Postpartum state (finding)	(finding)
446609009	Simple type reference set (foundation metadata concept)	(foundation metadata concept)
787859002	Vaccine product (medicinal product)	(medicinal product)
55465005	Columnar cell atypia (morphologic abnormality)	(morphologic abnormality)
6920004	Defect (morphologic abnormality)	(morphologic abnormality)
423901009	Identification code (observable entity)	(observable entity)
410604004	Subject of record (person)	(person)
337636000	Incontinence sheath (physical object)	(physical object)
258620006	Vascular cannula (physical object)	(physical object)
223490009	Appliance procedures (procedure)	(procedure)
445536008	Assessment using assessment scale (procedure)	(procedure)
710955000	Biomedical equipment procedure (procedure)	(procedure)
42825003	Cannulation (procedure)	(procedure)

11661000220109	Care bundle (procedure)	(procedure)
225297008	Care planning and problem solving actions (procedure)	(procedure)
9718006	Polymerase chain reaction analysis (procedure)	(procedure)
399150003	Polymerase chain reaction test for severe acute respiratory syndrome (procedure)	(procedure)
118726005	Procedure on subcutaneous tissue (procedure)	(procedure)
408767007	Procedure with a clinical finding focus (procedure)	(procedure)
408766003	Procedure with a procedure focus (procedure)	(procedure)
225338004	Risk assessment (procedure)	(procedure)
416325004	Vascular cannula procedure (procedure)	(procedure)
255212004	Acute-on-chronic (qualifier value)	(qualifier value)
410512000	Current or specified time (qualifier value)	(qualifier value)
129265001	Evaluation - action (qualifier value)	(qualifier value)
410535002	Indicated (qualifier value)	(qualifier value)
441862004	Infectious process (qualifier value)	(qualifier value)
257867005	Insertion - action (qualifier value)	(qualifier value)

129271007	Management - action (qualifier value)	(qualifier value)
734163000	Care plan (record artifact)	(record artifact)
387672006	Cardiotochogram (regime/therapy)	(regime/therapy)
309637002	Care of equipment categorized by device (regime/therapy)	(regime/therapy)
225365006	Care regime (regime/therapy)	(regime/therapy)
133877004	Therapeutic regimen (regime/therapy)	(regime/therapy)
225219005	Verbal communication interventions (regime/therapy)	(regime/therapy)
318331000221102	Active immunity stimulant role (role)	(role)
708538000	Procedure indicated (situation)	(situation)
243796009	Situation with explicit context (situation)	(situation)
774164004	Supplier (supplier)	(supplier)

Table 1.4

Text definitions

Id	FSN	SemTag	Lang	Term

84741000220100	Irish Paediatric Early Warning System (assessment scale)	(assessment scale)	en	Irish Paediatric early warning system (child (< 16 years) in-patient in the acute setting) IPEWS is a system which involves the anticipation, recognition, escalation, response and evaluation of the management of clinical deterioration
11661000220109	Care bundle (procedure)	(procedure)	en	A care bundle is a collection of interventions that may be applied to the management of a particular condition.
11651000220107	Introduction situation, background assessment recommendation (procedure)	(procedure)	en	ISBAR (Introduction, Situation, Background Assessment, Recommendation) is such a tool. ISBAR organises a conversation into the essential elements in the transfer of information from one source to another.

Table 1.5

Product containing precisely belatacept 250 mg powder for concentrate for solution for infusion (clinical drug)
Product containing precisely clarithromycin (as clarithromycin lactobionate) 500 mg/ 1vial powder for concentrate solution for infusion
Product containing precisely dacarbazine (as dacarbazine citrate) 1000 mg powder for conventional release solution for infusion (clinical drug)
Product containing precisely dacarbazine (as dacarbazine citrate) 500 mg powder for conventional release solution for infusion (clinical drug)
Product containing precisely decitabine 50 mg/1 vial powder for concentrate for solution for infusion (clinical drug)
Product containing precisely dexrazoxane (as dexrazoxane hydrochloride) 500 mg/ 1 vial powder for concentrate for solution for infusion
Product containing precisely efmoroctocog alfa 1000 units/ 1 vial powder for solution for injection (clinical drug)

Product containing precisely efmoroctocog alfa 1500 units/ 1 vial powder for solution for injection (clinical drug)
Product containing precisely efmoroctocog alfa 2000 units/ 1 vial powder for solution for injection (clinical drug)
Product containing precisely efmoroctocog alfa 250 units/ 1 vial powder for solution for injection (clinical drug)
Product containing precisely efmoroctocog alfa 3000 units/ 1 vial powder for solution for injection (clinical drug)
Product containing precisely efmoroctocog alfa 500 units/ 1 vial powder for solution for injection (clinical drug)
Product containing precisely epoprostenol (as epoprostenol sodium) 0.5 mg/1 vial powder for conventional release solution for infusion
Product containing precisely epoprostenol (as epoprostenol sodium) 1.5 mg/1 vial powder for conventional release solution for infusion
Product containing precisely esomeprazole (as esomeprazole sodium) 40 mg/1 vial powder for conventional release solution for injection
Product containing precisely etanercept 10 mg/1 vial powder for conventional release solution for injection (clinical drug)
Patisiran sodium (substance)
Product containing only alemtuzumab in parenteral dose form (medicinal product form)
Product containing only clofarabine in parenteral dose form (medicinal product form)
Product containing precisely alemtuzumab 10 milligram/1 milliliter conventional release solution for infusion (clinical drug)
Product containing precisely clofarabine 1 milligram/1 milliliter conventional release solution for infusion (clinical drug)
Product containing precisely mitoxantrone (as mitoxantrone hydrochloride) 2 milligram/1 milliliter conventional release solution for infusion (clinical drug)
Product containing only mitoxantrone in parenteral dose form (medicinal product form)

Product containing precisely botulinum toxin type A 100 units powder for conventional release solution for injection (clinical drug)
Product containing precisely botulinum toxin type A 50 units powder for conventional release solution for injection (clinical drug)
Product containing precisely botulinum toxin type A 125 units powder for conventional release solution for injection (clinical drug)
Product containing precisely carfilzomib 10 mg powder for solution for infusion (clinical drug)
Product containing precisely carfilzomib 30 mg powder for solution for infusion (clinical drug)
Product containing precisely carfilzomib 60 mg powder for solution for infusion (clinical drug)
Product containing precisely cefuroxime (as cefuroxime sodium) 50 mg/1 each powder for conventional release solution for injection
Product containing precisely migalastat (as migalastat hydrochloride) 123 mg/1 each conventional release oral capsule
Product containing precisely niraparib (as niraparib tosilate monohydrate) 100 mg/1 each conventional release oral capsule
Product containing precisely talazoparib (as talazoparib tosylate) 250 mcg/1 each conventional release oral capsule
Product containing precisely talazoparib (as talazoparib tosylate) 1mg/1 each conventional release oral capsule
Product containing precisely dexamethasone phosphate (as dexamethasone sodium phosphate) 1 mg/1 ml conventional release eye drops, solution
Product containing precisely hydrocortisone sodium phosphate 3.35 mg/1 ml conventional release eye drops, solution (clinical drug)
Product containing precisely proxymetacaine hydrochloride 5 mg/1ml conventional release eye drops, solution (clinical drug)
Product containing precisely apraclonidine (as apraclonidine hydrochloride) 10 mg/1 ml conventional release eye drops, solution
Product containing precisely bromfenac (as bromfenac sodium) 900 mcg/1 ml conventional release eye drops, solution

Product containing precisely carmellose sodium 10 mg/1 ml conventional release eye drops, solution (clinical drug)
Product containing precisely carmellose sodium 5 mg/1 ml conventional release solution for eye drops (clinical drug)
Product containing precisely diclofenac sodium 1 mg/1 ml conventional release solution for eye drops (clinical drug)
Product containing precisely nepafenac 1 mg/1 ml conventional release suspension for eye drops (clinical drug)
Product containing precisely ketorolac trometamol 5 mg/1 ml conventional release solution for eye drops (clinical drug)
Product containing precisely hypromellose 3.2 mg/1 ml conventional release solution for eye drops (clinical drug)
Product containing precisely hexylresorcinol 2.4 mg/1 each lozenge (clinical drug)
Product containing precisely aciclovir (as aciclovir sodium) 250 mg/1 vial powder for conventional release solution for infusion
Product containing precisely alglucosidase alfa 50 mg/1 vial powder for concentrate for conventional release solution for infusion (clinical drug)
Product containing precisely aminolevulinic acid hydrochloride (as 5-aminolevulinic acid) 30 mg/1 ml powder for conventional release oral solution)
Product containing precisely anidulafungin 100 mg/1 vial powder for concentrate for solution for infusion (clinical drug)
Product containing precisely antithymocyte immunoglobulin rabbit 25 mg/1 each powder for conventional release solution for infusion (clinical drug)
Product containing precisely bendamustine hydrochloride 25 mg powder for concentrate for solution for infusion. (clinical drug)
Product containing precisely blinatumomab 38.5 mcg powder for concentrate for solution for infusion (clinical drug)
Product containing precisely ammonia 350mg/1g conventional release cutaneous emulsion (clinical drug)
Product containing precisely betamethasone (as betamethasone valerate) 1 mg/1g cutaneous foam

Product containing precisely paclitaxel (as albumin bound paclitaxel) 5 mg/1 ml powder for dispersion for infusion (clinical drug)
Product containing precisely colistimethate sodium 1 MIU/1 vial powder for solution for injection/infusion (clinical drug)
Product containing precisely colistimethate sodium 2 MIU/1 vial powder for solution for injection/infusion (clinical drug)
Product containing precisely cetuximab 5 milligram/1 milliliter conventional release solution for infusion (clinical drug)
Product containing precisely fludarabine phosphate 25 milligram/1 milliliter conventional release solution for infusion (clinical drug)
Product containing precisely gemcitabine (as gemcitabine hydrochloride) 100 milligram /1 milliliter conventional release solution for infusion (clinical drug)
Product containing precisely gemcitabine (as gemcitabine hydrochloride) 38 milligram /1 milliliter conventional release solution for infusion (clinical drug)
Product containing precisely gemcitabine (as gemcitabine hydrochloride) 40 milligram /1 milliliter conventional release solution for infusion (clinical drug)
Product containing precisely obinutuzumab 25 milligram/1 milliliter conventional release solution for infusion (clinical drug)
Product containing precisely patisiran (as patisiran sodium) 2 milligram/1 milliliter conventional release solution for infusion (clinical drug)

Table 1.6

Content promoted from other extensions to International

1106021000000101 |Insertion of magnetic marker into breast using stereotactic mammography guidance (procedure)| has ben added to the International release. This response is subject to change until the time of release.
1111791000000108 |Insertion of magnetic marker into breast using X-ray guidance (procedure)| has been added to the International release. This response is subject to change until the time of release.

1106671000000108 |Insertion of magnetic marker into breast using ultrasonographic guidance (procedure)| has been added to the International release. This response is subject to change until the time of release.