

Release note

Product	SNOMED CT New Zealand Extension
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Content

This release contains SNOMED CT subsets, maps, language reference sets and other local content for use by New Zealand health providers and their industry partners.

Use this release in combination with the SNOMED CT International Release dated 31 January 2019. The two releases together constitute the SNOMED CT New Zealand Edition.

Further content will be released every six months.

Thank you to all the dedicated people who contribute to this release.

Subsets

SNOMED CT subsets are created whenever it is useful to narrow the selection of concepts for some purpose.

This release includes the subsets listed in the table. The table shows the total number of active members per subset, and the number of members activated and inactivated this release. The SNOMED CT concept identifier (SCTID) for each subset is shown.

Subset name	SCTID	Members	Activated	Inactivated
Smoking subset	51000210100	36	0	0
Emergency care diagnosis subset	61000210102	1419	6	0
Emergency care presenting complaint subset	71000210108	151	1	0
Emergency care procedure subset	321000210102	74	1	0
Cardiology subset	91000210107	62	0	1
Gynaecology subset	101000210108	142	0	2
Rheumatology subset	121000210100	125	0	1
Gateway child health assessment subset	241000210102	187	1	0
Notifiable disease subset	251000210104	95	1	0

Disability subset	261000210101	95	0	0
Adverse reaction manifestation subset	351000210106	1889	5	0
Microorganism subset	391000210104	18797	306	0
Ambulance clinical impression subset	421000210109	176	4	0
Endocrinology subset	141000210106	259	2	1
General surgery subset	131000210103	95	0	0
General paediatric subset	181000210104	364	4	0
Child developmental services subset	191000210102	113	0	0
Health occupation subset	451000210100	75	0	0
Health service type subset	461000210102	73	6	1
Clinical specialty subset	471000210108	158	0	0
Surgical complication subset	441000210103	145	0	0
Site of care subset	481000210105	8	0	0
Laboratory panel order subset	491000210107	108	0	0
Laboratory order subset	501000210102	953	0	0

Smoking subset

The set of concepts relating to smoking status and cessation is under review and will be updated in a future release. Vaping concepts will be added and the set of smoking concepts rationalised.

The Ministry of Health maintains this subset.

Emergency care subsets

The three emergency care subsets provide emergency department clinicians with a standard set of concepts for chief presenting complaint, diagnosis and procedures.

We acknowledge the work by emergency medicine specialists at Nelson-Marlborough DHB to develop the reference sets for chief presenting complaint and diagnosis. The emergency care procedure subset was also developed by New Zealand emergency medicine specialists.

We thank the Australian Digital Health Agency and NHS Digital for some of the original material.

The National Non-Admitted Patient Collection (NNPAC) has been adapted to allow the first DHBs to implement these subsets in their own systems and begin submitting SNOMED-coded emergency department visit data from July 2019. All DHBs are expected to be submitting SNOMED-coded ED visit data by 2021.

A national clinical reference group has been established and is meeting every six months to oversee the content of these subsets and their use.

National Patient Flow subsets

The seven subsets released here include the most common presenting reason and diagnosis concepts used in cardiology, gynaecology, rheumatology, endocrinology, general surgery, general paediatric and child developmental outpatient services.

The subsets are defined at a suitable level of detail for outpatient services and may be extended in future for other purposes. These subsets use the standard terms of the SNOMED CT International Edition for the moment. New Zealand preferences for new or different terms per concept will be introduced in a later release.

The Ministry of Health is working with recognised sector groups and projects to develop and maintain new subsets for a complete range of services.

Gateway child health assessment subset

This subset includes needs and recommendations concepts used in Gateway child health assessments. This is the first version of the subset and there are plans to extend it to other aspects of the assessment.

The Ministry of Health has worked with Oranga Tamariki – Ministry for Children to develop this content.

Notifiable disease subset

This subset identifies all notifiable diseases in New Zealand. The subset may be extended to become more specific about the particular disease subtypes that need to be reported.

The Ministry of Health works with ESR to manage this subset.

Disability subset

This subset identifies the types of disability that may be recorded about a person and their needs.

The Ministry of Health manages this subset.

Adverse reaction manifestation subset

This subset represents the most commonly encountered manifestations of allergic reactions and other adverse reactions at a level of detail for adverse reaction reporting and personal health records.

The subset is developed and maintained by the HISO adverse reaction reporting standard working group.

We acknowledge the Australian Digital Health Agency for some of the original material.

Further subsets supporting adverse reaction reporting are in development.

Microorganism subset

This subset is the agreed standard for microbiology and infection control and includes all microorganisms in the SNOMED International Edition.

HISO, the NZ Microbiology Network and the National Pathology and Laboratory Round Table are co-stewards of the subset and its use.

Ambulance clinical impression subset

This subset includes the concepts paramedics use to represent clinical impressions in the national ePRF system.

This subset is maintained by the ambulance sector.

Health service type, occupation, clinical specialty and site of care subsets

These subsets have been created for consistency in recording health workforce and service delivery information, including clinical document metadata.

These subsets enumerate health service types (eg clinical pharmacology service, endoscopy service), professional occupations (eg obstetrician, clinical pharmacist, dietitian, audiologist), clinical specialties (eg obstetrics and gynaecology, dietetics and nutrition, general practice) and sites of care (eg general practice premises, nursing home, hospital department).

HealthShare has led the development of these subsets, in collaboration with DHBs, for the Midland clinical portal project.

Surgical complications

The surgical complications subset includes clinical findings and disorders related to general surgery.

Thanks to Canterbury DHB and their industry partners for the content and their commitment to this work.

A clinical governance group is meeting regularly to further develop this subset and others for surgical information.

Laboratory order subsets

To support laboratory test e-ordering, the pathology test request subset developed by the Royal College of Pathologists of Australasia (RCPA) is included in this release.

A smaller subset includes the SNOMED concepts for order panels published as part of the NZPOCS code set standard for lab tests. All members of the panel subset are included in the RCPA subset.

Maps

This release includes the following maps between SNOMED CT and other terminologies and code systems.

The table shows the total number of active members, and the number activated and inactivated per map this release.

Map name	SCTID	Members	Activated	Inactivated
READ v2 to SNOMED CT map	31000210106	87343	0	0
NZMT medicinal product to SNOMED CT map	311000210107	2088	0	0
ACC SNOMED CT to READ v2 translation table	401000210101	12863	3419	662
MSD SNOMED CT to READ v2 translation table	411000210104	57996	3389	473

READ v2 to SNOMED CT map

This unidirectional map from READ v2 to SNOMED CT is provided to aid migration to SNOMED CT in primary care.

We acknowledge NHS Digital for the source material, made available to us under an Open Government Licence. We have sourced content from NHS Digital data migration releases dated October 2016, August 2017 and October 2017. There have been some updates since in response to local requests.

NZMT medicinal product to SNOMED CT map

This map associates NZ Medicines Terminology medicinal product concepts to SNOMED CT concepts. There one-to-one mappings from NZMT concepts to equivalent SNOMED CT concepts where they exist, and many-to-one mappings from NZMT concepts to somewhat less specific SNOMED CT concepts otherwise.

This map is an RF2 version of the equivalent map maintained and documented in NZ Universal List of Medicines releases: <http://www.nzulm.org.nz/data>

The version of the map included here comes from the NZULM May 2019 release.

MSD SNOMED CT to READ v2 translation table

This unidirectional map from SNOMED CT to READ v2 is used by the Ministry of Social Development to help process SNOMED-coded work capacity medical certificates. The table includes content from the NHS Digital primary care reference set equivalence tables and the ACC translation table.

ACC SNOMED CT to READ v2 translation table

With this release, ACC has expanded its translation table to include SNOMED concepts that identify traumatic injury which weren't previously available through READ. Some changes were also made to make translation methodology more consistent, especially where a close READ match is not available. Please contact snomed@acc.co.nz if you need more information.

Language reference sets

Language reference sets are created to define the preferred terms and synonyms associated with each concept in some context.

This release includes the following language reference sets.

The table shows the total number of active members and the number activated and inactivated per language reference set this release.

Language reference set name	SCTID	Members	Activated	Inactivated
NZ English language reference set	271000210107	1155061	0	0
NZ English patient friendly terms language reference set	281000210109	157	0	0

NZ English language reference set

This language reference set has preferred terms, synonyms and correct spellings for all concepts in the SNOMED CT NZ Edition (combining the SNOMED CT International Edition and SNOMED CT NZ Extension). It is derived from the GB English language reference set included with the SNOMED International Edition, and covers the terms included in the SNOMED NZ Extension.

In addition to the NZ English language reference set, the US English language reference set from the SNOMED International Edition can be used by search functions to allow for American spellings.

NZ English patient friendly terms language reference set

This language reference set has patient and consumer friendly terms covering the most common health conditions and interventions. Some of the terms are chosen from the SNOMED International Edition while others have been added to the NZ Extension for this purpose. In every case, there is a corresponding term in the NZ English language reference set for the same concept. The patient friendly terms language reference set is intended to be used in consumer-facing applications such as patient portals and personal health apps.

Central PHO has led the development of this content, working with the Ministry of Health.

Work is underway on an equivalent te reo Māori patient and consumer friendly terms language reference set.

Release file formats

This release has the same standard RF2 format used by the SNOMED CT International Edition. See the [SNOMED CT Technical Implementation Guide](#) for details.

Subset release file format

Load subsets from the simple reference set file in the Content folder of the distribution package. This is a tab-delimited file with the following columns.

Column name	Definition
id	UUID for this member of the subset
effectiveTime	Release date member became active/inactive
active	Whether member became active (1) or inactive (0)
moduleId	Concept SCTID for NZ module
refsetId	Concept SCTID for the subset
referencedComponentId	Concept SCTID for this member of the subset

Map release file format

Load maps from the simple map reference set file in the Map folder of the distribution package. This is a tab-delimited file with the following columns.

Column name	Definition
id	UUID for this member of the map

effectiveTime	Release date member became active/inactive
active	Whether member became active (1) or inactive (0)
moduleId	Concept SCTID for NZ module
refsetId	Concept SCTID for the map
referencedComponentId	Concept SCTID for this member of the map
mapTarget	Depending on the map either the corresponding: <ul style="list-style-type: none"> • READ code (five characters) concatenated with term code (two characters) • NZMT Medicinal Product SCTID

Language reference set release file format

Load language reference sets from the NZ English and (in future) te reo Māori language reference set files in the Language folder of the distribution package. This is a tab-delimited file with the following columns.

Column name	Definition
id	UUID for this member of the language reference set
effectiveTime	Release date member became active/inactive
active	Whether member became active (1) or inactive (0)
moduleId	Concept SCTID for NZ module
refsetId	Concept SCTID for the language reference set
referencedComponentId	Description SCTID for the indicated member term
acceptabilityId	Whether indicated term is acceptable (900000000000549004) or preferred (900000000000548007)

Governance

The content of each subset, map, language reference set and other component of the SNOMED CT New Zealand Extension is governed by a recognised national clinical network or authority.

Maintenance

Periodic updates to the subsets, maps, language reference sets and other components will be released as new content is developed and to stay current with the January and July six-monthly updates to the SNOMED CT International Release.

National Patient Flow subsets previously released as spreadsheets are being migrated to this standardised release as they are finalised. Continued use of the spreadsheets is not supported and they will be withdrawn.

Distribution

This release is distributed via the [SNOMED Member Licencing and Distribution Service](#)

For any enquiries, contact the SNOMED National Release Centre: snomed_ct@moh.govt.nz

Terminology servers

Free-to-use and standards-based terminology servers providing query access to these subsets and maps are listed in our SNOMED user community Yammer group at <https://www.yammer.com/healthinformationstandards>

HISO standards

SNOMED CT is endorsed by the Health Information Standards Organisation (HISO) as the New Zealand health and disability sector standard for clinical terminology in electronic health records.

[HISO 10033 SNOMED CT Endorsement](#) states the purpose and requirement for SNOMED CT.

[HISO 10048 Emergency Care Data Standard](#) is the standard that states the requirement for SNOMED CT in emergency care solutions.

[HISO 10055 National Patient Flow](#) is the standard specifying SNOMED CT subsets for referral and assessment in outpatient specialties.

Email enquiries about standards to standards@health.govt.nz