

# SNOMED CT New Zealand Extension PRODUCTION Release Notes - April 2022

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## Introduction



The Ministry of Health works with health and disability agencies and their industry partners to develop SNOMED CT® reference sets, maps, language reference sets and other content for digital health solutions in Aotearoa New Zealand.

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

The same content can be viewed online using the [SNOMED CT browser](#) and accessed via our standard [SNOMED CT terminology service](#).

We welcome your feedback and participation. For more information about SNOMED CT implementation in New Zealand, see our [website](#) or join our [standards channel at forum.hinz.org.nz](#).

## Background

This document provides a summarized description of the content changes included in the April 2022 production release of the SNOMED NZ Extension package.

It will also include technical notes detailing any known issues which have been identified. 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 SNOMED NZ Extension package is dependent upon, and should therefore be consumed in conjunction with the SNOMED CT January 2022 International Edition release.

## Content development activity

### Summary

Content from the SNOMED CT January 2022 International Edition release has been incremented, using additional components for use in New Zealand.

The April 2022 release includes updates to the previously released content in the SNOMED CT NZ Extension release and introduces some new content.

## New and updated content

### Concept statistics

The SNOMED NZ National Release Centre promoted 5 new concepts into the SNOMED CT January 2022 International Edition release.

*Table 1. New concepts in the SNOMED International January 2022 release by hierarchy*

Total number of concepts	5
Qualifier value (qualifier value)	5

Refer to Appendix 1, Table 1.1 to view the 5 new concepts.

There are 213 new concepts in this release.

*Table 2. New concepts in the SNOMED NZ Extension April 2022 release by hierarchy*

Total number of concepts	213
Clinical finding (finding)	24
Procedure (procedure)	154
Qualifier value (qualifier value)	2
Situation with explicit context (situation)	30
SNOMED CT Model Component (metadata)	2
Social context (social concept)	1

Refer to Appendix 1, Table 2.1 to view the 213 new concepts.

## Description statistics

The SNOMED NZ NRC promoted 1 new descriptions to the SNOMED International Edition January 2022 release.

Table 3. New descriptions in the SNOMED International January 2022 release

SNOMED CT Concept ID (SCTID)	SNOMED CT Fully Specified Name (FSN)	New description
2451000175103	Perinatology service (qualifier value)	Maternal fetal medicine service

There are 56 new descriptions in this release.

Table 4 New descriptions in the SNOMED NZ Extension April 2022 release

SNOMED CT Concept ID (SCTID)	SNOMED CT Fully Specified Name (FSN)	New description
171417004	Pre-school child health examination (procedure)	Before school check
472825005	Fetal chromosomal abnormality screening (procedure)	Fetal anomaly screening
445903002	Insertion of cardiac monitoring implant using fluoroscopic guidance (procedure)	Insertion of a pacemaker reveal monitor using fluoroscopic guidance
1163003002	Colorectal cancer screening service (qualifier value)	NZ bowel screening programme
14926007	pM1 category (finding)	pM1
443841006	pM1a category (finding)	pM1c
443840007	pM1b category (finding)	pM1a
443839005	pM1c category (finding)	pM1c
21917009	pN0 category (finding)	pN0
443335006	pN0(i-) category (finding)	pN0(i-)
443486002	pN0(i+) category (finding)	pN0(i+)
443963003	pN0(mol-) category (finding)	pN0(mol-)
443875007	pN0(mol+) category (finding)	pN0(mol+)
45552005	pN1 category (finding)	pN1
443716008	pN1a category (finding)	pN1a
443599002	pN1b category (finding)	pN1b
443743003	pN1c category (finding)	pN1c
443824009	pN1mi category (finding)	pN1mi
15076001	pN2 category (finding)	pN2
443867001	pN2a category (finding)	pN2a
443452006	pN2b category (finding)	pN2b
443893008	pN2c category (finding)	pN2c
49182004	pN3 category (finding)	pN3
443866005	pN3a category (finding)	pN3a

443962008	pN3b category (finding)	pN3b
443823003	pN3c category (finding)	pN3c
80663004	pN4 category (finding)	pN4
54452005	pNX category (finding)	pNX
39880006	pT0 category (finding)	pT0
53786006	pT1 category (finding)	pT1
443357004	pT1a category (finding)	pT1a
444432000	pT1a1 category (finding)	pT1a1
444439009	pT1a2 category (finding)	pT1a2
443506002	pT1b category (finding)	pT1b
444417007	pT1b1 category (finding)	pT1b1
444440006	pT1b2 category (finding)	pT1b2
443642002	pT1c category (finding)	pT1c
443600004	pT1mic category (finding)	pT1mi
80898003	pT2 category (finding)	pT2
443812002	pT2a category (finding)	pT2a
443896000	pT2b category (finding)	pT2b
443956003	pT2c category (finding)	pT2c
90402004	pT3 category (finding)	pT3
443606005	pT3a category (finding)	pT3a
443815000	pT3a,b category (finding)	pT3a,b
443817008	pT3b category (finding)	pT3b
443674009	pT3c category (finding)	pT3c
443784000	pT3c,d category (finding)	pT3c,d
443479005	pT3d category (finding)	pT3d
6123003	pT4 category (finding)	pT4
443604008	pT4a category (finding)	pT4a
443736009	pT4b category (finding)	pT4b
443721006	pT4c category (finding)	pT4c
443505003	pT4d category (finding)	pT4d
84921008	pTis category (finding)	pTis
43189003	pTX category (finding)	pTX

## Reference sets

There are 57 reference sets in the April 2022 release.

For more information about New Zealand reference sets, please visit [our website](#).

The New Zealand reference set list is available in Appendix 1, table 3.1.

## Language reference sets

Language reference sets are created to define preferred terms and synonyms associated with each concept. There are three language reference sets in the April 2022 release.

Language Reference Set Name	SNOMED CT Concept ID (SCTID)	Members
Maori [International Organization for Standardization 639-1 code mi] language reference set (foundation metadata concept)	291000210106	157
New Zealand English language reference set (foundation metadata concept)	271000210107	1155061
New Zealand English patient friendly terms language reference set (foundation metadata concept)	281000210109	157

## Maps

Five maps between SNOMED CT and other code systems are contained in the April 2022 release.


Map Name	SNOMED CT Concept ID (SCTID)	Members
ACC translation table map (foundation metadata concept)	401000210101	12795
MSD translation table map (foundation metadata concept)	411000210104	58134
NZMT medicinal product to SNOMED CT map (foundation metadata concept)	311000210107	2125
READ v2 to SNOMED CT map (foundation metadata concept)	31000210106	88273
SNOMED CT to READ v2 map (foundation metadata concept)	41000210103	66966

## 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.

The following known issues were identified, and agreed to be resolved in the next editing cycle:

key	summary	description	priority
<div> Jira project doesn't exist or you don't have permission to view it. <a href="#">View these issues in Jira</a></div>			

## Notice of changes to the International Edition Release Schedule

As you may already know SNOMED International are transitioning 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 New Zealand 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 New Zealand Extension from the April 2022 Release onwards.

**Please note** - While the SNOMED CT International Edition is moving to monthly releases, the New Zealand 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 in SNOMED CT International Edition January 2022 release

SNOMED CT Concept ID (SCTID)	SNOMED CT Fully Specified Name (FSN)	Semantic tag
1163003002	Colorectal cancer screening service (qualifier value)	Qualifier value
1163004008	Hyperbaric medicine service (qualifier value)	Qualifier value
1163002007	Electrocardiography service (qualifier value)	Qualifier value
1136421000168109	Sleep medicine service (qualifier value)	Qualifier value
1163054002	Gastroscopy service (qualifier value)	Qualifier value

Table 2.1. New concepts in the SNOMED NZ Extension April 2022 release

SNOMED CT Concept ID (SCTID)	SNOMED CT Fully Specified Name (FSN)	Semantic tag
81461000210103	Ring tight on digit of foot (disorder)	Disorder
81451000210101	Ring tight on digit of hand (disorder)	Disorder
91631000210108	Analgesics not given (finding)	Finding
101561000210107	Cesarean section assessment (finding)	Finding
91771000210102	Cesarean section category 1 - immediately life threatening to the woman or fetus (finding)	Finding
101531000210103	Cesarean section category 2 - woman or fetus compromised not immediately life threatening (finding)	Finding
101541000210106	Cesarean section category 3 - decision for earlier delivery made by health service (finding)	Finding
101551000210109	Cesarean section category 4 - decision for rescheduled delivery made by health service and woman (finding)	Finding
101481000210100	Fully breastfed (finding)	Finding
91571000210109	In transit birth (finding)	Finding
101601000210107	Infant artificially fed (finding)	Finding
91671000210105	Newborn hearing screening failure referred to specialist (finding)	Finding
91651000210102	Newborn hearing screening passed (finding)	Finding
91661000210104	Newborn hearing screening passed surveillance required (finding)	Finding
91641000210100	Newborn hearing screening status (finding)	Finding
101641000210105	Partially breastfed (finding)	Finding
91541000210104	Primary facility birth (finding)	Finding
91551000210101	Secondary facility birth (finding)	Finding
91601000210103	Stopped drinking alcohol before pregnancy (finding)	Finding
101491000210103	Stopped drinking alcohol during first trimester of pregnancy (finding)	Finding
91611000210101	Stopped drinking alcohol during pregnancy (finding)	Finding
101501000210108	Stopped drinking alcohol during second trimester of pregnancy (finding)	Finding

101511000210105	Stopped drinking alcohol during third trimester of pregnancy (finding)	Finding
91561000210103	Tertiary facility birth (finding)	Finding
121531000210107	New Zealand radiology procedures reference set (foundation metadata concept)	Foundation metadata concept
121521000210105	New Zealand severe acute respiratory syndrome coronavirus 2 symptoms reference set (foundation metadata concept)	Foundation metadata concept
81481000210106	Rural hospital medicine specialist (occupation)	Occupation
121541000210104	Aspiration and/or drainage of back region using computed tomography guidance (procedure)	Procedure
121551000210101	Aspiration and/or drainage of neck using computed tomography guidance (procedure)	Procedure
111521000210103	Combined first trimester maternal serum and nuchal translucency scan (procedure)	Procedure
131511000210102	Diagnostic radiography of temporomandibular joint and orthopantomogram (procedure)	Procedure
101711000210104	Gateway assessment (procedure)	Procedure
101621000210104	Induction of labor by artificial rupture of membranes and using oxytocin (procedure)	Procedure
121511000210100	Non-invasive Prenatal Screening (procedure)	Procedure
101581000210104	Non-opioid analgesic therapy (procedure)	Procedure
111481000210103	Non-pharmacological pain management therapy (procedure)	Procedure
101661000210106	Opioid analgesic therapy (procedure)	Procedure
101721000210109	Referral for Gateway assessment (procedure)	Procedure
111531000210101	Second trimester maternal serum screening (procedure)	Procedure
91511000210100	X-ray of chest, cervical spine and pelvis (procedure)	Procedure
91581000210106	Pacific health service (qualifier value)	Qualifier value
91591000210108	Plunket service (qualifier value)	Qualifier value
58481000210105	Breast metastatic Abraxane-paclitaxel nanoparticle albumin bound and atezolizumab chemotherapy regimen (regime/therapy)	Regime/therapy
58601000210103	Breast metastatic carboplatin and gemcitabine chemotherapy regimen (regime/therapy)	Regime/therapy
57791000210102	Breast metastatic carboplatin chemotherapy regimen (regime/therapy)	Regime/therapy
58531000210107	Breast metastatic denosumab chemotherapy regimen (regime/therapy)	Regime/therapy
58641000210100	Breast metastatic doxorubicin every three weeks chemotherapy regimen (regime/therapy)	Regime/therapy



58611000210101	Breast metastatic doxorubicin weekly chemotherapy regimen (regime/therapy)	Regime/therapy
57781000210104	Breast metastatic epirubicin and cyclophosphamide chemotherapy regimen (regime/therapy)	Regime/therapy
58631000210108	Breast metastatic eribulin chemotherapy regimen (regime/therapy)	Regime/therapy
58491000210107	Breast metastatic everolimus and exemestane chemotherapy regimen (regime/therapy)	Regime/therapy
58541000210104	Breast metastatic fulvestrant chemotherapy regimen (regime/therapy)	Regime/therapy
58591000210108	Breast metastatic gemcitabine chemotherapy regimen (regime/therapy)	Regime/therapy
57801000210103	Breast metastatic goserelin every four weeks chemotherapy regimen (regime/therapy)	Regime/therapy
58561000210103	Breast metastatic goserelin every twelve weeks chemotherapy regimen (regime/therapy)	Regime/therapy
58511000210100	Breast metastatic Kadcyla- trastuzumab emtansine chemotherapy regimen (regime/therapy)	Regime/therapy
58521000210105	Breast metastatic mitomycin, mitoxantrone and methotrexate chemotherapy regimen (regime/therapy)	Regime/therapy
58581000210106	Breast metastatic paclitaxel weekly and trastuzumab every three weeks chemotherapy regimen (regime /therapy)	Regime/therapy
58501000210102	Breast metastatic paclitaxel weekly chemotherapy regimen (regime/therapy)	Regime/therapy
58621000210106	Breast metastatic paclitaxel weekly, pertuzumab and trastuzumab every three weeks chemotherapy regimen (regime/therapy)	Regime/therapy
57811000210101	Breast metastatic palbociclib chemotherapy regimen (regime/therapy)	Regime/therapy
58571000210109	Breast metastatic pamidronate chemotherapy regimen (regime/therapy)	Regime/therapy
58551000210101	Breast metastatic pembrolizumab every three weeks flat dosing (regime/therapy)	Regime/therapy
58461000210102	Breast metastatic trastuzumab every three weeks and vinorelbine intravenous chemotherapy regimen (regime/therapy)	Regime/therapy
58471000210108	Breast metastatic trastuzumab every three weeks and vinorelbine oral chemotherapy regimen (regime /therapy)	Regime/therapy
58651000210102	Breast metastatic trastuzumab every three weeks chemotherapy regimen (regime/therapy)	Regime/therapy
57831000210108	Breast metastatic trastuzumab subcutaneous chemotherapy regimen (regime/therapy)	Regime/therapy
57821000210106	Breast metastatic vinorelbine intravenous chemotherapy regimen (regime/therapy)	Regime/therapy
57771000210101	Breast metastatic vinorelbine intravenous weekly chemotherapy regimen (regime/therapy)	Regime/therapy
57761000210107	Breast non-metastatic AC doxorubicin and cyclophosphamide dose dense chemotherapy regimen (regime /therapy)	Regime/therapy
57841000210100	Breast non-metastatic doxorubicin and cyclophosphamide every three weeks chemotherapy regimen (regime/therapy)	Regime/therapy
57851000210102	Breast non-metastatic paclitaxel weekly pertuzumab and trastuzumab every three weeks chemotherapy regimen (regime/therapy)	Regime/therapy
52791000210100	Colorectal rectal metastatic capecitabine chemoradiation continuous dosing chemotherapy regimen (regime/therapy)	Regime/therapy

131531000210109	Growth factor prophylaxis not recommended (situation)	Regime/therapy
52691000210106	Respiratory mesothelioma metastatic carboplatin and pemetrexed chemotherapy regimen (regime/therapy)	Regime/therapy
52711000210108	Respiratory mesothelioma metastatic cisplatin and pemetrexed chemotherapy regimen (regime/therapy)	Regime/therapy
52831000210106	Respiratory non small cell lung cancer metastatic carboplatin and docetaxel chemotherapy regimen (regime/therapy)	Regime/therapy
52821000210109	Respiratory non small cell lung cancer metastatic carboplatin and pemetrexed chemotherapy regimen (regime/therapy)	Regime/therapy
52811000210104	Respiratory non small cell lung cancer metastatic docetaxel every three weeks chemotherapy regimen (regime/therapy)	Regime/therapy
52801000210101	Respiratory non small cell lung cancer metastatic docetaxel weekly (regime/therapy)	Regime/therapy
52681000210109	Respiratory non small cell lung cancer metastatic paclitaxel weekly (regime/therapy)	Regime/therapy
52721000210103	Respiratory non small cell lung cancer metastatic afatinib chemotherapy regimen (regime/therapy)	Regime/therapy
52731000210101	Respiratory non small cell lung cancer metastatic atezolizumab chemotherapy regimen (regime/therapy)	Regime/therapy
52741000210109	Respiratory non small cell lung cancer metastatic dabrafenib and trametinib chemotherapy regimen (regime/therapy)	Regime/therapy
52701000210106	Respiratory non small cell lung cancer metastatic nivolumab biweekly chemotherapy regimen (regime/therapy)	Regime/therapy
52751000210107	Respiratory non small cell lung cancer metastatic nivolumab biweekly weight base dosing chemotherapy regimen (regime/therapy)	Regime/therapy
52761000210105	Respiratory non small cell lung cancer metastatic nivolumab every four weeks flat dosing chemotherapy regimen (regime/therapy)	Regime/therapy
52851000210100	Respiratory non small cell lung cancer non-metastatic cisplatin and etoposide chemoradiation chemotherapy regimen (regime/therapy)	Regime/therapy
52861000210102	Respiratory non small cell lung cancer non-metastatic crizotinib chemotherapy regimen (regime/therapy)	Regime/therapy
52781000210102	Respiratory non small cell lung cancer non-metastatic durvalumab chemotherapy regimen (regime/therapy)	Regime/therapy
52841000210103	Respiratory non small cell lung cancer non-metastatic superior sulcus pancoast cisplatin and etoposide chemoradiation chemotherapy regimen (regime/therapy)	Regime/therapy
52771000210104	Respiratory non small cell lung cancer non-metastatic atezolizumab chemotherapy regimen (regime/therapy)	Regime/therapy
57371000210102	Respiratory small cell lung cancer metastatic CAV extensive cyclophosphamide 750, doxorubicin and vincristine chemotherapy regimen (regime/therapy)	Regime/therapy
52871000210108	Respiratory small cell lung cancer metastatic CAV extensive cyclophosphamide 1000, doxorubicin and vincristine chemotherapy regimen (regime/therapy)	Regime/therapy
57381000210100	Respiratory small cell lung cancer non-metastatic Limited carboplatin and etoposide chemotherapy regimen (regime/therapy)	Regime/therapy
57391000210103	Respiratory small cell lung cancer non-metastatic Limited cisplatin and etoposide chemotherapy regimen (regime/therapy)	Regime/therapy
57441000210102	Skin cancer basal cell metastatic vismodegib chemotherapy regimen (regime/therapy)	Regime/therapy
57461000210101	Skin cancer melanoma metastatic - cobimetinib and vemurafenib chemotherapy regimen (regime/therapy)	Regime/therapy
57471000210107	Skin cancer melanoma metastatic - dacarbazine chemotherapy regimen (regime/therapy)	Regime/therapy

57481000210109	Skin cancer melanoma metastatic - imatinib chemotherapy regimen (regime/therapy)	Regime/therapy
57491000210106	Skin cancer melanoma metastatic - ipilimumab 1mg/kg and nivolumab 3mg/kg chemotherapy regimen (regime/therapy)	Regime/therapy
57501000210101	Skin cancer melanoma metastatic - ipilimumab 3mg/kg and nivolumab 1mg/kg chemotherapy regimen (regime/therapy)	Regime/therapy
57511000210104	Skin cancer melanoma metastatic - ipilimumab and pembrolizumab chemotherapy regimen (regime/therapy)	Regime/therapy
57541000210103	Skin cancer melanoma metastatic - nivolumab every four weeks flat dosing chemotherapy regimen (regime/therapy)	Regime/therapy
57521000210109	Skin cancer melanoma metastatic - nivolumab every two weeks flat dosing chemotherapy regimen (regime/therapy)	Regime/therapy
57531000210106	Skin cancer melanoma metastatic - nivolumab every two weeks weight based dosing chemotherapy regimen (regime/therapy)	Regime/therapy
57571000210108	Skin cancer melanoma metastatic - pembrolizumab every six weeks flat dosing chemotherapy regimen (regime/therapy)	Regime/therapy
57551000210100	Skin cancer melanoma metastatic - pembrolizumab every three weeks flat dosing chemotherapy regimen (regime/therapy)	Regime/therapy
57561000210102	Skin cancer melanoma metastatic - pembrolizumab every three weeks weight based dosing chemotherapy regimen (regime/therapy)	Regime/therapy
57401000210100	Skin cancer melanoma metastatic binimetinib and encorafenib chemotherapy regimen (regime/therapy)	Regime/therapy
57451000210104	Skin cancer melanoma metastatic carboplatin, paclitaxel, and bevacizumab chemotherapy regimen (regime/therapy)	Regime/therapy
57581000210105	Skin cancer melanoma non-metastatic - nivolumab every two weeks flat dosing chemotherapy regimen (regime/therapy)	Regime/therapy
57591000210107	Skin cancer melanoma non-metastatic - nivolumab every two weeks weight based dosing chemotherapy regimen (regime/therapy)	Regime/therapy
57611000210100	Skin cancer melanoma non-metastatic - pembrolizumab every three weeks flat dosing chemotherapy regimen (regime/therapy)	Regime/therapy
57621000210105	Skin cancer melanoma non-metastatic - pembrolizumab every three weeks weight based dosing chemotherapy regimen (regime/therapy)	Regime/therapy
57601000210102	Skin cancer melanoma non-metastatic nivolumab every four weeks flat dosing chemotherapy regimen (regime/therapy)	Regime/therapy
57631000210107	Skin cancer melanoma non-metastatic pembrolizumab every six weeks flat dosing chemotherapy regimen (regime/therapy)	Regime/therapy
57411000210103	Skin cancer merkel cell metastatic pembrolizumab every six weeks flat dosing chemotherapy regimen (regime/therapy)	Regime/therapy
57431000210105	Skin cancer Merkel cell metastatic pembrolizumab every three weeks flat dosing chemotherapy regimen (regime/therapy)	Regime/therapy
57421000210108	Skin cancer Merkel cell metastatic pembrolizumab every three weeks weight based dosing chemotherapy regimen (regime/therapy)	Regime/therapy
57641000210104	Skin cancer squamous cell metastatic - pembrolizumab every three weeks flat dosing chemotherapy regimen (regime/therapy)	Regime/therapy
57651000210101	Skin cancer squamous cell metastatic - pembrolizumab every three weeks weight based dosing chemotherapy regimen (regime/therapy)	Regime/therapy
57661000210103	Skin cancer squamous cell metastatic pembrolizumab every six weeks flat dosing chemotherapy regimen (regime/therapy)	Regime/therapy
54231000210103	Upper gastrointestinal biliary and gallbladder Metastatic carboplatin and gemcitabine chemotherapy regimen (regime/therapy)	Regime/therapy
54221000210100	Upper gastrointestinal biliary and gallbladder metastatic gemcitabine chemotherapy regimen (regime/therapy)	Regime/therapy

54151000210104	Upper gastrointestinal biliary and gallbladder metastatic modified fluorouracil, folinic acid and oxaliplatin high dose folinic acid chemotherapy regimen (regime/therapy)	Regime/therapy
54211000210105	Upper gastrointestinal biliary and gallbladder metastatic modified fluorouracil, folinic acid and oxaliplatin low dose folinic acid chemotherapy regimen (regime/therapy)	Regime/therapy
54191000210106	Upper gastrointestinal biliary and gallbladder non-metastatic capecitabine chemotherapy regimen (regime/therapy)	Regime/therapy
54181000210109	Upper gastrointestinal biliary and gallbladder non-metastatic modified fluorouracil, folinic acid and oxaliplatin low dose folinic acid chemotherapy regimen (regime/therapy)	Regime/therapy
57281000210108	Upper gastrointestinal biliary and gallbladder non-metastatic - modified fluorouracil, folinic acid and oxaliplatin high dose folinic acid chemotherapy regimen (regime/therapy)	Regime/therapy
54061000210102	Upper gastrointestinal gastric and oesophageal metastatic - modified fluorouracil, folinic acid and irinotecan low dose folinic acid chemotherapy regimen (regime/therapy)	Regime/therapy
54081000210105	Upper gastrointestinal gastric and oesophageal metastatic - modified fluorouracil, folinic acid and oxaliplatin high dose folinic acid chemotherapy regimen (regime/therapy)	Regime/therapy
53971000210106	Upper gastrointestinal gastric and oesophageal metastatic - modified oxaliplatin, folinic acid and fluorouracil low dose folinic acid and trastuzumab chemotherapy regimen (regime/therapy)	Regime/therapy
53061000210104	Upper gastrointestinal gastric and oesophageal metastatic capecitabine and oxaliplatin chemotherapy regimen (regime/therapy)	Regime/therapy
52941000210106	Upper gastrointestinal gastric and oesophageal metastatic capecitabine, oxaliplatin and trastuzumab chemotherapy regimen (regime/therapy)	Regime/therapy
54121000210108	Upper gastrointestinal gastric and oesophageal metastatic cisplatin and capecitabine chemotherapy regimen (regime/therapy)	Regime/therapy
54251000210109	Upper gastrointestinal gastric and oesophageal metastatic cisplatin and fluorouracil chemotherapy regimen (regime/therapy)	Regime/therapy
57291000210105	Upper gastrointestinal gastric and oesophageal metastatic cisplatin, capecitabine and trastuzumab chemotherapy regimen (regime/therapy)	Regime/therapy
57301000210109	Upper gastrointestinal gastric and oesophageal metastatic cisplatin, fluorouracil and trastuzumab chemotherapy regimen (regime/therapy)	Regime/therapy
52921000210100	Upper gastrointestinal gastric and oesophageal metastatic irinotecan every two weeks chemotherapy regimen (regime/therapy)	Regime/therapy
52951000210109	Upper gastrointestinal gastric and oesophageal metastatic modified fluorouracil, folinic acid and oxaliplatin high dose folinic acid and trastuzumab chemotherapy regimen (regime/therapy)	Regime/therapy
53071000210105	Upper gastrointestinal gastric and oesophageal metastatic modified fluorouracil, folinic acid, irinotecan high dose folinic acid chemotherapy regimen (regime/therapy)	Regime/therapy
52891000210107	Upper gastrointestinal gastric and oesophageal metastatic modified fluorouracil, folinic acid, oxaliplatin low dose folinic acid chemotherapy regimen (regime/therapy)	Regime/therapy
54091000210107	Upper gastrointestinal gastric and oesophageal metastatic paclitaxel and ramucirumab chemotherapy regimen (regime/therapy)	Regime/therapy
52911000210105	Upper gastrointestinal gastric and oesophageal metastatic paclitaxel weekly 3/1 dosing chemotherapy regimen (regime/therapy)	Regime/therapy
52901000210108	Upper gastrointestinal gastric and oesophageal metastatic paclitaxel weekly chemotherapy regimen (regime/therapy)	Regime/therapy
52971000210101	Upper gastrointestinal gastric and oesophageal metastatic pembrolizumab every three weeks flat dose chemotherapy regimen (regime/therapy)	Regime/therapy
54111000210103	Upper gastrointestinal gastric and oesophageal metastatic pembrolizumab every three weeks weight based dosing chemotherapy regimen (regime/therapy)	Regime/therapy
54101000210100	Upper gastrointestinal gastric and oesophageal metastatic ramucirumab chemotherapy regimen (regime/therapy)	Regime/therapy
54201000210108	Upper gastrointestinal gastric and oesophageal metastatic trifluridine and tipiracil chemotherapy regimen (regime/therapy)	Regime/therapy
53031000210108	Upper gastrointestinal gastric and oesophageal non-metastatic docetaxel, oxaliplatin, folinic acid and fluorouracil high dose folinic acid chemotherapy regimen (regime/therapy)	Regime/therapy

53051000210102	Upper gastrointestinal gastric and oesophageal non-metastatic docetaxel, oxaliplatin, folinic acid and fluorouracil low dose folinic acid chemotherapy regimen (regime/therapy)	Regime/therapy
52931000210103	Upper gastrointestinal gastric and oesophageal non-metastatic modified fluorouracil, folinic acid and oxaliplatin chemoradiation high dose folinic acid chemotherapy regimen (regime/therapy)	Regime/therapy
52981000210104	Upper gastrointestinal gastric and oesophageal non-metastatic modified fluorouracil, folinic acid and oxaliplatin chemoradiation low dose folinic acid chemotherapy regimen (regime/therapy)	Regime/therapy
57311000210106	Upper gastrointestinal gastric metastatic cisplatin, capecitabine and pembrolizumab flat dose chemotherapy regimen (regime/therapy)	Regime/therapy
52961000210107	Upper gastrointestinal gastric non-metastatic capecitabine and oxaliplatin chemotherapy regimen (regime/therapy)	Regime/therapy
54071000210108	Upper gastrointestinal gastric non-metastatic fluorouracil chemoradiation modified MacDonald chemotherapy regimen (regime/therapy)	Regime/therapy
53041000210100	Upper gastrointestinal gastrointestinal stroma cell tumours metastatic imatinib chemotherapy regimen (regime/therapy)	Regime/therapy
52991000210102	Upper gastrointestinal gastrointestinal stromal cell tumors metastatic regorafenib chemotherapy regimen (regime/therapy)	Regime/therapy
54161000210101	Upper gastrointestinal gastrointestinal stromal cell tumour metastatic sunitinib 2/1 dosing chemotherapy regimen (regime/therapy)	Regime/therapy
57321000210101	Upper gastrointestinal gastrointestinal stromal cell tumours metastatic sunitinib 4/2 dosing chemotherapy regimen (regime/therapy)	Regime/therapy
57331000210104	Upper gastrointestinal gastrointestinal stromal cell tumours non-metastatic imatinib chemotherapy regimen (regime/therapy)	Regime/therapy
57351000210105	Upper gastrointestinal hepatic metastatic atezolizumab and bevacizumab chemotherapy regimen (regime/therapy)	Regime/therapy
57341000210107	Upper gastrointestinal hepatic metastatic atezolizumab chemotherapy regimen (regime/therapy)	Regime/therapy
57361000210108	Upper gastrointestinal hepatic metastatic lenvatinib chemotherapy regimen (regime/therapy)	Regime/therapy
54131000210105	Upper gastrointestinal hepatic metastatic sorafenib chemotherapy regimen (regime/therapy)	Regime/therapy
52881000210105	Upper gastrointestinal oesophageal non-metastatic carboplatin and paclitaxel weekly chemoradiation chemotherapy regimen (regime/therapy)	Regime/therapy
54241000210106	Upper gastrointestinal oesophageal non-metastatic cisplatin and fluorouracil chemoradiation chemotherapy regimen (regime/therapy)	Regime/therapy
53001000210103	Upper gastrointestinal oesophageal non-metastatic cisplatin and fluorouracil chemoradiation Herskovic chemotherapy regimen (regime/therapy)	Regime/therapy
53011000210101	Upper gastrointestinal oesophageal non-metastatic mitomycin and fluorouracil chemoradiation chemotherapy regimen (regime/therapy)	Regime/therapy
53021000210106	Upper gastrointestinal oesophageal non-metastatic mitomycin and fluorouracil chemoradiation MSKCC chemotherapy regimen (regime/therapy)	Regime/therapy
57721000210100	Upper gastrointestinal pancreas metastatic docetaxel, gemcitabine, cisplatin and capecitabine chemotherapy regimen (regime/therapy)	Regime/therapy
54171000210107	Upper gastrointestinal pancreas metastatic gemcitabine chemotherapy regimen (regime/therapy)	Regime/therapy
57261000210100	Upper gastrointestinal pancreas metastatic modified fluorouracil, folinic acid and oxaliplatin high dose folinic acid chemotherapy regimen (regime/therapy)	Regime/therapy
57271000210106	Upper gastrointestinal pancreas metastatic modified fluorouracil, folinic acid and oxaliplatin low dose folinic acid chemotherapy regimen (regime/therapy)	Regime/therapy
57701000210108	Upper gastrointestinal pancreas metastatic olaparib chemotherapy regimen (regime/therapy)	Regime/therapy
57741000210106	Upper gastrointestinal pancreas non-metastatic capecitabine and gemcitabine adjuvant chemotherapy regimen (regime/therapy)	Regime/therapy

57751000210109	Upper gastrointestinal pancreas non-metastatic capecitabine and gemcitabine advanced chemotherapy regimen (regime/therapy)	Regime/therapy
57671000210109	Upper gastrointestinal pancreas non-metastatic capecitabine chemoradiation 5 day dosing chemotherapy regimen (regime/therapy)	Regime/therapy
57681000210106	Upper gastrointestinal Pancreas non-metastatic capecitabine chemoradiation continuous dosing chemotherapy regimen (regime/therapy)	Regime/therapy
57711000210105	Upper gastrointestinal pancreas non-metastatic gemcitabine adjuvant chemotherapy regimen (regime /therapy)	Regime/therapy
57691000210108	Upper gastrointestinal pancreas non-metastatic gemcitabine advanced chemotherapy regimen (regime /therapy)	Regime/therapy
57731000210103	Upper gastrointestinal pancreas non-metastatic oxaliplatin, irinotecan, folinic acid and fluorouracil low dose folinic acid chemotherapy regimen (regime/therapy)	Regime/therapy
91721000210101	Augmentation of labor not performed (situation)	Situation
111511000210108	Fetal anomaly screening declined (situation)	Situation
91491000210107	History of admission to neonatal intensive care unit (situation)	Situation
91501000210102	History of admission to special care baby unit (situation)	Situation
111501000210106	History of cervical intraepithelial neoplasia grade 3 (situation)	Situation
91701000210109	History of cervical smear performed for more than three years (situation)	Situation
121501000210102	History of cervical smear performed within last 12 months (situation)	Situation
91691000210109	History of cervical smear performed within last three years (situation)	Situation
91681000210107	History of cervical smear performed within last two years (situation)	Situation
101681000210103	History of complementary therapy (situation)	Situation
91461000210102	History of complication in pregnancy (situation)	Situation
91621000210106	History of first trimester miscarriage (situation)	Situation
91531000210107	History of genital herpes simplex (situation)	Situation
91521000210105	History of genital warts (situation)	Situation
101651000210108	History of human immunodeficiency virus infection (situation)	Situation
101591000210102	History of non-opioid analgesic therapy (situation)	Situation
111491000210101	History of non-pharmacological pain management therapy (situation)	Situation
101611000210109	History of previous baby artificially fed (situation)	Situation
91711000210106	History of previous baby exclusively breastfed (situation)	Situation
101471000210102	History of previous baby fully breastfed (situation)	Situation

121491000210107	History of previous baby partially breast fed (situation)	Situation
101671000210100	History of previous baby under pediatric care while in maternity unit (situation)	Situation
131501000210104	History of regional anesthesia (situation)	Situation
101521000210100	Newborn hearing screening not done (situation)	Situation
101571000210101	No history of administration of analgesic (situation)	Situation
91471000210108	No history of neonatal care admission (situation)	Situation
91731000210104	Primary facility birth planned (situation)	Situation
91741000210107	Secondary facility birth planned (situation)	Situation
91751000210105	Tertiary facility birth planned (situation)	Situation
101631000210102	Vaccine product against Severe acute respiratory syndrome coronavirus 2 given (situation)	Situation

Table 3.1 Reference sets in the SNOMED NZ Extension April 2022 release

SNOMED CT Concept ID (SCTID)	SNOMED CT Fully Specified Name (FSN)	Members
351000210106	New Zealand adverse reaction manifestation reference set (foundation metadata concept)	1886
72671000210109	New Zealand alcohol consumption reference set (foundation metadata concept)	3
421000210109	New Zealand ambulance clinical impression reference set (foundation metadata concept)	176
61241000210100	New Zealand biological substance common allergen reference set (foundation metadata concept)	208
91000210107	New Zealand cardiology reference set (foundation metadata concept)	63
61251000210102	New Zealand chemical substance common allergen reference set (foundation metadata concept)	623
191000210102	New Zealand child developmental services reference set (foundation metadata concept)	137
241000210102	New Zealand child health assessment reference set (foundation metadata concept)	186
471000210108	New Zealand clinical specialty reference set (foundation metadata concept)	158
61271000210105	New Zealand common pharmaceutical dose form reference set	12
61281000210107	New Zealand common pharmaceutical dose frequency reference set	12
61291000210109	New Zealand common pharmaceutical dose unit reference set	11
61231000210108	New Zealand COVID-19 adverse event from immunization reference set	58
261000210101	New Zealand disability reference set (foundation metadata concept)	96
61261000210104	New Zealand edible substance common allergen reference set	420
61000210102	New Zealand emergency care diagnosis reference set (foundation metadata concept)	1451
71000210108	New Zealand emergency care presenting complaint reference set (foundation metadata concept)	160
321000210102	New Zealand emergency care procedure reference set (foundation metadata concept)	73



141000210106	New Zealand endocrinology reference set (foundation metadata concept)	263
181000210104	New Zealand general paediatric reference set (foundation metadata concept)	441
131000210103	New Zealand general surgery reference set (foundation metadata concept)	97
101000210108	New Zealand gynaecology reference set (foundation metadata concept)	143
451000210100	New Zealand health occupation reference set (foundation metadata concept)	86
461000210102	New Zealand health service type reference set (foundation metadata concept)	112
501000210102	New Zealand laboratory order reference set (foundation metadata concept)	956
72621000210105	New Zealand maternity Apgar score reference set (foundation metadata concept)	33
72631000210107	New Zealand maternity complementary therapies reference set (foundation metadata concept)	17
72601000210102	New Zealand maternity complications reference set (foundation metadata concept)	32
72611000210100	New Zealand maternity disorders reference set (foundation metadata concept)	44
72661000210103	New Zealand maternity family history reference set (foundation metadata concept)	12
72591000210107	New Zealand maternity findings reference set (foundation metadata concept)	156
72581000210105	New Zealand maternity mode of delivery reference set (foundation metadata concept)	4
72571000210108	New Zealand maternity outcomes reference set (foundation metadata concept)	8
72541000210103	New Zealand maternity previous complications reference set (foundation metadata concept)	47
72551000210100	New Zealand maternity previous disorders reference set (foundation metadata concept)	63
72531000210106	New Zealand maternity previous findings reference set (foundation metadata concept)	49
72521000210109	New Zealand maternity previous mode of delivery reference set (foundation metadata concept)	4
72511000210104	New Zealand maternity previous outcomes reference set (foundation metadata concept)	9
72501000210101	New Zealand maternity previous procedures reference set (foundation metadata concept)	23
72561000210102	New Zealand maternity procedures reference set (foundation metadata concept)	51
72641000210104	New Zealand maternity screening and tests reference set (foundation metadata concept)	21
72651000210101	New Zealand maternity substances reference set (foundation metadata concept)	13
391000210104	New Zealand microorganism reference set (foundation metadata concept)	18718
50931000210104	New Zealand nephrology reference set (foundation metadata)	99
72691000210108	New Zealand non-medicinal drug reference set (foundation metadata concept)	16
72681000210106	New Zealand non-medicinal drug use reference set (foundation metadata concept)	6
251000210104	New Zealand notifiable disease reference set (foundation metadata concept)	96
50941000210107	New Zealand ophthalmology reference set (foundation metadata concept)	64
121531000210107	New Zealand radiology procedures reference set (foundation metadata concept)	915
121000210100	New Zealand rheumatology reference set (foundation metadata concept)	126
121521000210105	New Zealand severe acute respiratory syndrome coronavirus 2 symptoms reference set (foundation metadata concept)	19
481000210105	New Zealand site of care reference set (foundation metadata concept)	8
72731000210103	New Zealand smoking intervention reference set (foundation metadata concept)	5
51000210100	New Zealand smoking reference set (foundation metadata concept)	42
72741000210106	New Zealand smoking status reference set (foundation metadata concept)	4
441000210103	New Zealand surgical complication reference set (foundation metadata concept)	147
72721000210100	New Zealand vaping status reference set (foundation metadata concept)	7



**Approvals**

Final Version	Date	Approver	Comments
0.1		Terance Shird	
0.2	22 Mar 2022	Lea Miharsa	Approved
1.0	22 Mar 2022	Alastair Kenworthy	Approved

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**Draft Amendment History**

Version	Date	Editor	Comments
0.1	01 Mar 2022	Andrew Atkinson	Initial draft created
0.2	22 Mar 2022	Lea Miharsa	Final draft
1.0	22 Mar 2022	Alastair Kenworthy	Final draft updated