NZHTS release note for May 2024

20 May 2024

This release note covers the monthly release of new content to the NZ Health Terminology Service (NZHTS) for May 2024.

NZHTS is the health sector's one-stop source of standard terminologies and code sets for high quality digital health records and interoperability. NZHTS is a free service, available to all New Zealand health entities and their industry partners.

Learn more about NZHTS and how to use it on our website and API marketplace.

Previously released content

Release date	New content
December 2022	• SNOMED CT NZ Edition October 2022 release • National Health Index (NHI) code sets • Health Provider Index (HPI) code sets • HL7® FHIR® NZ Base Implementation Guide
February 2023	• NZ Pathology Observation Code Sets (NZPOCS) October 2023 release • NZ International Patient Summary (NZIPS) code sets for problems and conditions and for allergies and adverse reactions • MedDRA 25.1 pharmacovigilance codes
March 2023	• ANZSCO occupation codes • ISO country and language codes • DSM-IV mental health codes • Maternity care code sets • NZIPS medication code sets
April 2023	• SNOMED CT NZ Edition April 2023 release with reference sets for the following • Structured pathology reporting of cancer • Health consumer information • Family planning • Minor procedures
May 2023	• NZPOCS April 2023 release • All remaining NZIPS code sets • Aotearoa Immunisation Register (AIR) draft code sets • CVX and NZVX vaccination codes

	• Iwi affiliation codes • CanShare value sets for all SNOMED reference sets
June 2023	• NZ Medicines Terminology (NZMT) code sets
July 2023	• Ethnic group level 1 and level 2 codes • MedDRA version 26.0 pharmacovigilance codes • Read to SNOMED map • NZMT July 2023 release
October 2023	• CanShare reference sets • Assistance and preferences reference set • Common patient friendly terms reference set • Female pelvic surgical mesh injury reference set • Oral health reference sets
November 2023	• MedDRA version 26.1 • Rheumatic fever code sets
March 2024	• Unified Code for Units of Measure (UCUM)
April 2024	• SNOMED NZ Edition April 2024 release • MedDRA 27.0 • LOINC 2.77 • NZ Medicines Terminology (NZMT) April 2024 release

New content this release

- CVX vaccination codes
- Nutrition Care Process Terminology (NCPT) Nutrition Reference Set
- NZPOCS April 2024 release
- NZ Medicines Terminology (NZMT) May 2024 release

CVX vaccination codes

CVX (vaccine administered) codes are sourced from CDC
https://www2a.cdc.gov/vaccines/iis/iisstandards/vaccines.asp?rpt=cvx

It includes both active and inactive vaccines available around the world. CVX codes for inactive vaccines allow transmission of historical immunization records. When an MVX (manufacturer) code is paired with a CVX (vaccine administered) code, the specific trade named vaccine may be indicated.

Example CVX query using NZHTS FHIR API:

https://nzhts.digital.health.nz/fhir/ValueSet/$expand?url=http://hl7.org/fhir/ValueSet/vaccine-code

SNOMED Nutrition Care Process Terminology (NCPT) Nutrition Reference Set

This is the first release of the NCPT reference set package.

Reference set concept:

- 1303282009 | Nutrition Care Process Terminology reference set |

The base version of SNOMED CT required is the January 2024 International Release. For details, see the NCPT package release notes.

The reference set contains NCPT nutrition problems from the Clinical finding and Situation with explicit context hierarchies.

The reference set enables dietitians to systematically record the patient's nutrition problems using standard codes. NCPT promotes high-quality nutrition care, service improvement, education and policy development.

The work is the result of a 2021 collaboration between SNOMED International, the Academy of Nutrition and Dietetics and the SNOMED NCPT Project Group, including New Zealand dietitian/informatics expertise in a leading role.

Example reference set query:

https://nzhts.digital.health.nz/fhir/ValueSet/$expand?url=http://snomed.info/sct/1303956008?fhir_vs=refset/1303957004

NZPOCS April 2024 release

NZPOCS is built on the LOINC international standard and covers all commonly performed pathology tests in biochemistry, haematology, immunology, microbiology, virology/serology and toxicology. NZPOCS extends LOINC to include codes for several local New Zealand test types. This release is based on LOINC version 2.77, dated April 2024.

The value set has the canonical URI
https://nzhts.digital.health.nz/fhir/ValueSet/nzpocs

Example NZPOCS query:

https://nzhts.digital.health.nz/fhir/ValueSet/$expand?url=https://nzhts.digital.h ealth.nz/fhir/ValueSet/nzpocs

NZ Medicines Terminology (NZMT) May 2024 release

NZMT is our standard terminology for medicines identification in Aotearoa, underpinning the NZ Universal List of Medicines (NZULM).

We are working with the NZ Medicines Formulary team, who manage NZULM and NZ Formulary (NZF), to do the integration work to enable NZHTS to serve simple NZMT code set lookups.

The Formulary team is, at the same time, developing a fully featured FHIR API for access to NZULM/NZF content for prescribing and dispensing, medicine reconciliation and other more complex use cases.

NZMT concept types

NZMT is a SNOMED CT-based terminology with seven concept types. Each concept has a SNOMED CT identifier, a unique SNOMED fully specified name and preferred term, and a set of context-specific display terms.

Medicinal Product (MP) Paracetamol NZMT SCTID 10037191000116105	Trade Product (TP) Panadol NZMT SCTID 10510491000116108
Medicinal Product Unit of Use (MPUU) **paracetamol 500 mg tablet** NZMT SCTID 10037311000116101	**Trade Product Unit of Use (TPUU)** **Panadol 500 mg tablet: film-coated,** **1 tablet.** NZMT SCTID 10510501000116104
Medicinal Product Pack (MPP) **paracetamol 500 mg tablet,** **20 tablets** NZMT SCTID 10037331000116107	**Trade Product Pack (TPP)** **Panadol 500 mg tablet: film-costed,** **20 tablets** NZMT SCTID 20025081000116103
	Containered Trade Product Pack (CTPP) **Panadol 500 mg tablet: film-coated,** **20 tablets, blister pack** NZMT SCTID 50032671000117104

NZMT code system

The NZMT code system set has the canonical URI **http://nzmt.org.nz**

NZMT value sets

We have created a value set for each of the above NZMT concept types.

MP value set **https://nzhts.digital.health.nz/fhir/ValueSet/nzmt-mp**

MPUU value set **https://nzhts.digital.health.nz/fhir/ValueSet/nzmt-mpuu**

MPP value set **https://nzhts.digital.health.nz/fhir/ValueSet/nzmt-mpp**

TP value set **https://nzhts.digital.health.nz/fhir/ValueSet/nzmt-tp**

TPUU value set **https://nzhts.digital.health.nz/fhir/ValueSet/nzmt-tpuu**

TPP value set **https://nzhts.digital.health.nz/fhir/ValueSet/nzmt-tpp**

CTPP value set **https://nzhts.digital.health.nz/fhir/ValueSet/nzmt-ctpp**

NZMT concept maps

We have created maps between certain NZMT concept types.

TP to MP map **https://nzhts.digital.health.nz/fhir/ConceptMap/nzmt-tp-mp**

TPUU to MP map **https://nzhts.digital.health.nz/fhir/ConceptMap/nzmttpuu-mp**

CTPP to MPUU map **https://nzhts.digital.health.nz/fhir/ConceptMap/nzmtctpp-mpuu**

Example queries

Look up an NZMT code (amifampridine 10 mg tablet)

https://nzhts.digital.health.nz/fhir/CodeSystem/$lookup?system=http://nzmt.org.nz&code=10006151000116107

Look up an MP concept (paracetamol)

https://nzhts.digital.health.nz/fhir/ValueSet/$expand?url=https://nzhts.digital.health.nz/fhir/ValueSet/nzmt-mp&filter=paracetamol

Look up a TP concept (Panadol)

https://nzhts.digital.health.nz/fhir/ValueSet/$expand?url=https://nzhts.digital.health.nz/fhir/ValueSet/nzmt-tp&filter=panadol

Look up a mapped TP concept (Panadol)

https://nzhts.digital.health.nz/fhir/ConceptMap/$translate?url=https://nzhts.digital.health.nz/fhir/ConceptMap/nzmt-tpmp&system=http://nzmt.org.nz&code=10510491000116108

Look up a mapped TPUU concept (Panadol 500mg tablet)

https://nzhts.digital.health.nz/fhir/ConceptMap/$translate?url=https://nzht

s.digital.health.nz/fhir/ConceptMap/nzmt-tpuump&system=http://nzmt.org.nz&code=10510501000116104

Look up a mapped CTPP concept (Panadol blister pack)

https://nzhts.digital.health.nz/fhir/ConceptMap/$translate?url=https://nzht

s.digital.health.nz/fhir/ConceptMap/nzmt-ctppmpuu&system=http://nzmt.org.nz&code=50114941000117107

Upcoming releases

New content in following releases will include:

- Ethnicity code sets
- NZ Medicines Terminology (NZMT) June 2024 release
- Long term conditions reference sets
- Other primary care reference sets
- General dentistry and odontogram reference sets
- SNOMED NZ Edition October 2024 release

News and education

Look out for our SNOMED Open Forum Hui Tuwhera on 22 May 2024 at 11:00 AM.

Our next in-person event is the SNOMED Working Bee on 2 December 2024 at Digital Health Week NZ in Hamilton.

Links

The FHIR API endpoint for NZHTS is https://nzhts.digital.health.nz/fhir

Browse to this endpoint to register as a service user.

To request an NZHTS API key email standards@health.govt.nz

You can find all available NZHTS content listed here:

- https://nzhts.digital.health.nz/fhir/CodeSystem
- https://nzhts.digital.health.nz/fhir/ValueSet
- https://nzhts.digital.health.nz/fhir/ConceptMap

See our Github repository for examples of code set lookups using the API. We also have Postman collections to share.

Contact us

Please email any enquiries to standards@tewhatuora.govt.nz or join our chat site at https://ehealthforum.nz/c/standards