

## NZHTS release note for April 2024

### 22 April 2024

This release note covers the monthly release of new content to the NZ Health Terminology Service (NZHTS) for April 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	<ul style="list-style-type: none"> <li>• SNOMED CT NZ Edition October 2022 release</li> <li>• National Health Index (NHI) code sets</li> <li>• Health Provider Index (HPI) code sets</li> <li>• HL7® FHIR® NZ Base Implementation Guide</li> </ul>
February 2023	<ul style="list-style-type: none"> <li>• NZ Pathology Observation Code Sets (NZPOCS) October 2023 release</li> <li>• NZ International Patient Summary (NZIPS) code sets for problems and conditions and for allergies and adverse reactions</li> <li>• MedDRA 25.1 pharmacovigilance codes</li> </ul>
March 2023	<ul style="list-style-type: none"> <li>• ANZSCO occupation codes</li> <li>• ISO country and language codes</li> <li>• DSM-IV mental health codes</li> <li>• Maternity care code sets</li> <li>• NZIPS medication code sets</li> </ul>
April 2023	<ul style="list-style-type: none"> <li>• SNOMED CT NZ Edition April 2023 release with reference sets for the following</li> <li>• Structured pathology reporting of cancer</li> <li>• Health consumer information</li> <li>• Family planning</li> <li>• Minor procedures</li> </ul>
May 2023	<ul style="list-style-type: none"> <li>• NZPOCS April 2023 release</li> <li>• All remaining NZIPS code sets</li> <li>• Aotearoa Immunisation Register (AIR) draft code sets</li> <li>• CVX and NZVX vaccination codes</li> </ul>

	<ul style="list-style-type: none"> <li>• Iwi affiliation codes</li> <li>• CanShare value sets for all SNOMED reference sets</li> </ul>
June 2023	<ul style="list-style-type: none"> <li>• NZ Medicines Terminology (NZMT) code sets</li> </ul>
July 2023	<ul style="list-style-type: none"> <li>• Ethnic group level 1 and level 2 codes</li> <li>• MedDRA version 26.0 pharmacovigilance codes</li> <li>• Read to SNOMED map</li> <li>• NZMT July 2023 release</li> </ul>
October 2023	<ul style="list-style-type: none"> <li>• CanShare reference sets</li> <li>• Assistance and preferences reference set</li> <li>• Common patient friendly terms reference set</li> <li>• Female pelvic surgical mesh injury reference set</li> <li>• Oral health reference sets</li> </ul>
November 2023	<ul style="list-style-type: none"> <li>• MedDRA version 26.1</li> <li>• Rheumatic fever code sets</li> </ul>
March 2024	<ul style="list-style-type: none"> <li>• Unified Code for Units of Measure (UCUM)</li> </ul>

## New content this release

- SNOMED NZ Edition April 2024 release
- MedDRA 27.0
- LOINC 2.77
- NZPOCS April 2024 release
- NZ Medicines Terminology (NZMT) April 2024 release

## SNOMED NZ Edition April 2024 release

The April 2024 release of the SNOMED CT NZ Edition is the current release. It comprises the February 2024 release of the SNOMED CT International Edition and the April 2024 release of the SNOMED CT NZ Extension.

For all the details, see [SNOMED CT NZ Edition April 2024 release note](#)

This release includes new content in the following areas.

### Common route of administration reference set

The April 2024 release of the SNOMED NZ Edition adds a common route of administration reference set to support coded medicines information in community prescription and dispensing records for the NZ ePrescription Service (NZePS), Medicines Data Repository and all patient records.

- **New Zealand common route of administration reference set**

Example reference set query

**[https://nzhts.digital.health.nz/fhir/ValueSet/\\$expand?url=http://snomed.info/sct/21000210109?fhir\\_vs=refset/361531000210107](https://nzhts.digital.health.nz/fhir/ValueSet/$expand?url=http://snomed.info/sct/21000210109?fhir_vs=refset/361531000210107)**

## CanShare reference sets

Te Aho o Te Kahu (Cancer Control Agency) has developed a collection of 509 CanShare reference sets for Aotearoa. These reference sets provide standard sets of SNOMED CT concepts to use for recording, sharing and querying cancer data. Each concept in these reference sets has a preferred term in the CanShare language reference set (SCTID 231621000210105), selected by New Zealand clinicians to standardise the way that cancer data is displayed across Aotearoa. These reference sets are designed to support a range of cancer data, including histology, topography, grading, staging, scoring, treatment intents, disease response, cancer streams and primary cancer types.

The April 2024 release includes 231 new CanShare reference sets, 203 updated reference sets, and 477 new concepts in the following areas:

- Cancer streams, substreams and primary cancer types to support clinical workflows.
- Topographies for recording the primary site of a cancer. This includes a maximal set of body sites, a high-level set of commonly used body sites, and body sites specific to landmarks (new), lymph nodes (new), and tumours of the thorax, breast, gastrointestinal tract (new), female genital sites (new) and genitourinary sites (new).
- Cancer histologies for haematolymphoid, breast, thoracic, female genital, digestive, genitourinary, and soft tissue & bone (new), based on the WHO Classification of Tumours 5th edition.
- Grading systems for haematolymphoid, breast, female genital (new), and other(new) cancers.
- Staging systems for haematolymphoid, breast, thoracic, female genital (new), gastrointestinal (new) and neuroendocrine (new) cancers, including clinical, pathological, recurrence or retreatment, and post therapy or post neoadjuvant therapy staging.
- Prognostic scoring systems for haematolymphoid and female genital (new) cancers.
- Neoadjuvant therapy response scoring systems for colorectal (new) and breast (new) cancers
- Specimen collection procedures to support all cancer types (new), including colorectal cancers (new).

- Additional data to support systemic anti-cancer therapy treatment plans, including basis of diagnosis, treatment intent, disease response, dose forms, dose units, and ancillary studies for breast tumours.

## MedDRA 27.0

We have loaded MedDRA version 27.0 and this now available to users alongside previous versions 26.0 and 25.1.

Code system URI <http://terminology.hl7.org/CodeSystem/mdr-27-0>

Value set URI <https://nzhts.digital.health.nz/fhir/ValueSet/meddra-code-27-0>

Example query

[https://nzhts.digital.health.nz/fhir/ValueSet/\\$expand?url=https://nzhts.digital.health.nz/fhir/ValueSet/meddra-code-27-0&filter=abdo%20pain](https://nzhts.digital.health.nz/fhir/ValueSet/$expand?url=https://nzhts.digital.health.nz/fhir/ValueSet/meddra-code-27-0&filter=abdo%20pain)

## LOINC 2.77

We have loaded the latest version of the LOINC code system for lab test result types.

Code system URI <https://nzhts.digital.health.nz/fhir/CodeSystem/LOINC-2.77>

## NZ Medicines Terminology (NZMT) April 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.

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

## 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-tp>

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](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](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](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](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://nzhts.digital.health.nz/fhir/ConceptMap/nzmt-tpuump&system=http://nzmt.org.nz&code=10510501000116104](https://nzhts.digital.health.nz/fhir/ConceptMap/$translate?url=https://nzhts.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://nzhts.digital.health.nz/fhir/ConceptMap/nzmt-ctppmpuu&system=http://nzmt.org.nz&code=50114941000117107](https://nzhts.digital.health.nz/fhir/ConceptMap/$translate?url=https://nzhts.digital.health.nz/fhir/ConceptMap/nzmt-ctppmpuu&system=http://nzmt.org.nz&code=50114941000117107)**

## Upcoming releases

New content in following releases will include:

- Long term conditions reference sets
- Other primary care reference sets
- General dentistry and odontogram reference sets
- Ethnicity code sets
- NZ Medicines Terminology (NZMT) May 2024 release
- New Zealand Pathology Observation Code Sets (NZPOCS)
- SNOMED NZ Edition October 2024 release



## News and education

Look out for our SNOMED Open Forum Hui Tuwhera on 8 May 2024 at 11:00 AM.

## 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](mailto: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](mailto:standards@tewhatuora.govt.nz) or join our chat site at <https://ehealthforum.nz/c/standards>