

NZHTS release note for June 2023

12 June 2023

This release note covers the monthly release of new content to the NZ Health Terminology Service (NZHTS) for June 2023.

Launched in December 2022, 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 the [Te Whatu Ora website](#) and the [Hira marketplace](#).

Previously released content

Release date	New content
December 2022	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • ANZSCO occupation codes • ISO country and language codes • DSM-IV mental health codes • Maternity care code sets • NZIPS medication code sets
April 2023	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • NZPOCS April 2023 release

	<ul style="list-style-type: none"> • 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
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New content this release

In the June 2023 release we add:

- NZ Medicines Terminology (NZMT) code sets

NZ Medicines Terminology (NZMT) code sets

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

We're 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.

The latest iteration of NZMT content is now deployed to NZHTS for trial use. We expect details of the design to change as users experiment with the new resources.

The current content is based on the April 2023 release of NZMT.

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.

<p>Medicinal Product (MP) <i>paracetamol</i> NZMT SCTID 10037191000116105</p>	<p>Trade Product (TP) <i>Panadol</i> NZMT SCTID 10510491000116108</p>
<p>Medicinal Product Unit of Use (MPUU) <i>paracetamol 500 mg tablet</i> NZMT SCTID 10037311000116101</p>	<p>Trade Product Unit of Use (TPUU) <i>Panadol 500 mg tablet: film-coated, 1 tablet</i> NZMT SCTID 10510501000116104</p>

<p>Medicinal Product Pack (MPP) <i>paracetamol 500 mg tablet, 20 tablets</i> NZMT SCTID 10037331000116107</p>	<p>Trade Product Pack (TPP) <i>Panadol 500 mg tablet: film-costed, 20 tablets</i> NZMT SCTID 20025081000116103</p>
	<p>Containerised Trade Product Pack (CTPP) <i>Panadol 500 mg tablet: film-coated, 20 tablets, blister pack</i> NZMT SCTID 50032671000117104</p>

(Used in the examples, Panadol is a registered trademark of GlaxoSmithKline.)

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-tpu>
- 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/nzmt-tpuu-mp>
- CTPP to MPUU map <https://nzhts.digital.health.nz/fhir/ConceptMap/nzmt-ctpp-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-tp-mp&system=http://nzmt.org.nz&code=10510491000116108](https://nzhts.digital.health.nz/fhir/ConceptMap/$translate?url=https://nzhts.digital.health.nz/fhir/ConceptMap/nzmt-tp-mp&system=http://nzmt.org.nz&code=10510491000116108)
- Look up a mapped TPUU concept (Panadol 500mg tablet)
[https://nzhts.digital.health.nz/fhir/ConceptMap/\\$translate?url=https://nzhts.digital.health.nz/fhir/ConceptMap/nzmt-tpuu-mp&system=http://nzmt.org.nz&code=10510501000116104](https://nzhts.digital.health.nz/fhir/ConceptMap/$translate?url=https://nzhts.digital.health.nz/fhir/ConceptMap/nzmt-tpuu-mp&system=http://nzmt.org.nz&code=10510501000116104)
- Look up a mapped CTPP concept (Panadol blister pack)
[https://nzhts.digital.health.nz/fhir/ConceptMap/\\$translate?url=https://nzhts.digital.health.nz/fhir/ConceptMap/nzmt-ctpp-mpuu&system=http://nzmt.org.nz&code=50114941000117107](https://nzhts.digital.health.nz/fhir/ConceptMap/$translate?url=https://nzhts.digital.health.nz/fhir/ConceptMap/nzmt-ctpp-mpuu&system=http://nzmt.org.nz&code=50114941000117107)

Upcoming releases

New content we'll release in coming months includes:

- In July 2023, Read to SNOMED maps, ethnic group codes, MedDRA 26.0
- In August 2023, clinical document metadata code sets
- In September 2023, UCUM (units of measure), oral health code sets
- SNOMED CT NZ Edition October 2023 release

News and education

Register at the links for our next two online events:

- [FHIR®, SNOMED and NZHTS Learnathon, 15 June 2023](#)
- [SNOMED NZ Open Forum, 10 October 2023](#)
- **Advancing SNOMED CT implementation series** with SNOMED International, beginning 9 August 2023.

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.

See also our [SNOMED CT NZ Edition April 2023 release note](#)

Contact us

Please email any enquiries to standards@health.govt.nz or join our chat site at <https://forum.hinz.org.nz/c/standards>

