Health New Zealand
Te Whatu Ora

NZHTS release note for July 2024

16 July 2024

This release note covers the monthly release of new content to the NZ Health Terminology Service (NZHTS) for July 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 <u>our website</u> and Digital Services Hub.

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
May 2024	• CVX vaccination codes • Nutrition Care Process Terminology (NCPT) Nutrition Reference Set • NZPOCS April 2024 release • NZ Medicines Terminology (NZMT) May 2024 release
June 2024	• NZPS Observation Vaping Status • Ethnicity code sets version 2.1.0 • NZ Medicines Terminology (NZMT) June 2024 release

New content this release

- Language code system
- NHI language value set
- 99NZREL – Relationship concept mapping table
- NZ Medicines Terminology (NZMT) July 2024 release

Language code system

ISO 639:2023 Language code is the chosen standard, comprising four sets of language codes:

- Set 1: two-letter language identifiers (originally as in ISO 639-1:2002) for major, mostly national individual languages
- Set 2: three-letter language identifiers (originally as in ISO 639-2:1998) for a larger number of widely known individual languages (including all individual languages covered by Set 1) and a number of language groups
- Set 3: three-letter language identifiers (originally as in ISO 639-3:2007) covering all individual languages (including all individual languages covered by Set 2), including living, extinct and ancient languages
- Set 5: three-letter language identifiers (originally as in ISO 639-5:2008) covering a larger set of language groups, living and extinct (including all language groups covered by Set 2).

Our chosen code set includes all of Set 2 (originally ISO 639-2:1998) plus New Zealand Sign Language (nzs) and any other codes needed in future from Set 3.

These codes are used to record a person's preferred languages.

We source the code set from https://iso639-3.sil.org/code_tables/639/data

The code system is **https://nzhts.digital.health.nz/fhir/CodeSystem/iso639-2**

NHI language value set

To support the National Health Index (NHI), we have created the following value set that includes these codes:

https://nzhts.digital.health.nz/fhir/ValueSet/nhi-language-value-set

99NZREL – Relationship concept mapping table

Relationship Concept Mapping table is a HL7 User Defined table for use in New Zealand that indicates the type of relationship to the patient.

The concept mapping table is:

https://nzhts.digital.health.nz/fhir/ConceptMap/nzrel-to-snomed

NZ Medicines Terminology (NZMT) July 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://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://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:

- Long term conditions reference sets
- Primary care reference sets
- General dentistry and odontogram reference sets
- Ethnicity v2.0.0 to v2.1.0 concept mapping
- UCUM update
- NZ Medicines Terminology (NZMT) August 2024 release
- The Omaha System
- SNOMED NZ Edition October 2024 release

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@healthnz.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@healthnz.govt.nz or join our chat site at https://ehealthforum.nz/c/standards