NZHTS release note for October 2024

17 October 2024

This release note covers the monthly release of new content to the NZ Health Terminology Service (NZHTS) for October 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 [Digital Services Hub](#).

Previously released content

Release date	New content
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
July 2024	• Language code system • NHI language value set • 99NZREL – Relationship concept mapping table

	• NZ Medicines Terminology (NZMT) July 2024 release
August 2024	• Unified Code for Units of Measure (UCUM) • NZ Medicines Terminology (NZMT) August 2024 release • Omaha System
September 2024	• MedDRA version 27.1 • NZ Medicines Terminology (NZMT) September 2024 release • Stats NZ classifications (Building Type, Central Product Classification, Country Code, Currency, Dwelling Type, Gender, Industry, Iwi and Iwi-Related Groups, Language)

New content this release

• SNOMED NZ Edition October 2024 release

• LOINC 2.78 and NZPOCS October release

• NZ Medicines Terminology (NZMT) October 2024 release

• Anatomical Therapeutic Chemical (ATC) classification system and Defined Daily Dose (DDD)

SNOMED NZ Edition October 2024 release

The October 2024 release of the SNOMED CT NZ Edition is the current release. It comprises the August 2024 release of the SNOMED CT International Edition and the October 2024 release of the SNOMED CT NZ Extension. For all the details, see SNOMED CT NZ Edition October 2024 release note.

This release includes new content in the following areas.

• NZ Breast Device Registry (NZBDR)
• Health service type reference set
• Health occupation reference set
• Emergency care reference sets
• Systemic Anti-Cancer Therapy Regimen Library
• MSD translation table map
• Read v2 to SNOMED CT map
• CanShare reference sets

Example query

List the New Zealand emergency care presenting complaint reference set:

https://nzhts.digital.health.nz/fhir/ValueSet/$expand?url=http://snomed.info/sct/21000210109?fhir_vs=refset/71000210108

List the New Zealand health service type reference set:

https://nzhts.digital.health.nz/fhir/ValueSet/$expand?url=http://snomed.info/sct/21000210109?fhir_vs=refset/461000210102

Look up a procedure concept

https://nzhts.digital.health.nz/fhir/CodeSystem/$lookup?system=http://snomed.info/sct&code=427623005

Translate a Read code to its equivalent SNOMED CT code:

https://nzhts.digital.health.nz/fhir/ConceptMap/$translate?url=https://nzhts.digital.health.nz/fhir/ConceptMap/read-snomed-map&system=http://read.info/readv2&code=G30..00

LOINC 2.78

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-2.78**

NZPOCS October 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 2.78, dated October 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.health.nz/fhir/ValueSet/nzpocs

NZMT October 2024 release

NZMT is our standard terminology for medicines identification, underpinning the NZ Universal List of Medicines (NZULM) and New Zealand Formulary (NZF).

We source NZMT data once per month from NZULM to enable NZHTS to serve simple NZMT code set lookups.

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

Anatomical Therapeutic Chemical (ATC) classification system and the Defined Daily Dose (DDD)

We have included the ATC classification system in this release, the purpose of the ATC classification system is to serve as a tool for drug utilisation monitoring and research in order to improve quality of drug use. Please visit purpose of the ATC/DDD system for details.

ATC code system
The ATC code system set has the canonical URI **http://www.whocc.no/atc**

Upcoming releases

New content in following releases will include:

- NZ Medicines Terminology (NZMT) November 2024 release
- 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

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@tewhatuora.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/general/standards