

NZHTS release note for June 2024

17 June 2024

This release note covers the monthly release of new content to the NZ Health Terminology Service (NZHTS) for June 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"> • 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 • All remaining NZIPS code sets • Aotearoa Immunisation Register (AIR) draft code sets • CVX and NZVX vaccination codes • Iwi affiliation codes

	<ul style="list-style-type: none"> • CanShare value sets for all SNOMED reference sets
June 2023	<ul style="list-style-type: none"> • NZ Medicines Terminology (NZMT) code sets
July 2023	<ul style="list-style-type: none"> • Ethnic group level 1 and level 2 codes • MedDRA version 26.0 pharmacovigilance codes • Read to SNOMED map • NZMT July 2023 release
October 2023	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • MedDRA version 26.1 • Rheumatic fever code sets
March 2024	<ul style="list-style-type: none"> • Unified Code for Units of Measure (UCUM)
April 2024	<ul style="list-style-type: none"> • SNOMED NZ Edition April 2024 release • MedDRA 27.0 • LOINC 2.77 • NZ Medicines Terminology (NZMT) April 2024 release
May 2024	<ul style="list-style-type: none"> • CVX vaccination codes • Nutrition Care Process Terminology (NCPT) Nutrition Reference Set • NZPOCS April 2024 release • NZ Medicines Terminology (NZMT) May 2024 release

New content this release

- NZPS Observation Vaping Status
- Ethnicity code sets version 2.1.0
- CVX vaccination codes
- NZ Medicines Terminology (NZMT) June 2024 release

NZIPS

NZIPS is our adaptation of the International Patient Summary (IPS) standard for Aotearoa. NZIPS defines a core personal health data set that is structured and coded for interoperability, is accessible by patients and whānau, and can be shared between points of care.

In this release, we add the vaping status code set used in [NZPS-Observation-Vaping-Status](#).

Example query using NZHTS FHIR API:

[https://nzhts.digital.health.nz/fhir/ValueSet/\\$expand?url=https://nzhts.digital.health.nz/fhir/ValueSet/vaping-status](https://nzhts.digital.health.nz/fhir/ValueSet/$expand?url=https://nzhts.digital.health.nz/fhir/ValueSet/vaping-status)

Ethnicity code sets

Ethnicity code sets from the Ethnicity New Zealand Standard Classification V2.1.0 are published by Stats NZ on [Aria](#).

CVX vaccination codes

CVX (vaccine administered) codes are sourced from CDC

<https://www2a.cdc.gov/vaccines/iis/iisstandards/vaccines.asp?rpt=cvx>

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

NZ Medicines Terminology (NZMT) June 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.

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

- CVD risk assessment reference sets
- Long term conditions reference sets
- Other primary care reference sets
- General dentistry and odontogram reference sets
- Omaha System
- NZ Medicines Terminology (NZMT) July 2024 release

- 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@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>