NZHTS release note for May 2023

26 May 2023

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

Launched in December 2022, NZHTS is the 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 2023	• SNOMED CT NZ Edition October 2023 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

New content this release

In the May 2023 release we add:

- 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

Each area of new content is described below.

NZPOCS April 2023 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 2.74, dated February 2022.

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

NZIPS code sets

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. See the [NZIPS consultation document](#) for background. The FHIR representation of NZIPS is based on [FHIR IPS STU 1.1.0](#).

In this release, we add all remaining IPS code systems and value sets. We source the definitions from the HL7 website http://hl7.org/fhir/uv/ips/terminology.html and the code set content from the respective publishers' sites.

NZIPS versions of the code sets adapt the IPS universal version to the SNOMED NZ Edition and other local requirements.

The newly imported value sets are:

- Absent or Unknown Allergies - IPS
- Absent or Unknown Devices - IPS
- Absent or Unknown Immunization - IPS
- Absent or Unknown Medication - IPS
- Absent or Unknown Problems - IPS
- Absent or Unknown Procedures - IPS
- Allergy Intolerance Substance Condition - IPS
- Allergy Intolerance - IPS
- Body Site - IPS
- Current Smoking Status - IPS
- Healthcare Professional Roles - IPS
- Medical Devices (SNOMED CT) - IPS
- Medications - SNOMED CT (IPS)
- Medicine Active Substances - IPS
- Medicine Doseform - IPS
- Medicine Route of Administration - IPS
- Pregnancies Summary - IPS
- Pregnancy Expected Delivery Date Method - IPS
- Pregnancy Status - IPS
- Problem Severity - IPS
- Problem Type - IPS
- Problems (SNOMED CT) - IPS
- Procedures (SNOMED CT) - IPS
- Results Blood Group - IPS
- Results Coded Values Laboratory - IPS
- Results Coded Values Pathology - IPS
- Results Laboratory Observation - IPS
- Results Microorganism - IPS
- Results Pathology Observation - IPS
- Results Presence/Absence - IPS
- Results Radiology Measurement Observation (SNOMED-DICOM) - IPS
- Results Radiology Observation - IPS
- Results Radiology Textual Observations (SNOMED-DICOM-LOINC) - IPS
- Results Specimen Collection Method - IPS
- Results Specimen Type - IPS
- Target Site - IPS
- Vaccine Target Diseases - IPS
- Vaccines - IPS
- WHO ATC - IPS

Many of these value sets have a close counterpart which adds unknown/absent codes to the content. They are available to use but we haven't listed them here.

SNOMED CT and LOINC are the code systems behind many of these value sets.

See also the NZIPS project site here
https://simplifier.net/nzips/~resources?category=ValueSet

Example problem codes query:

- https://nzhts.digital.health.nz/fhir/ValueSet/$expand?url=http://hl7.org/uv/ips/ValueSet/problems-snomed-uv-ips

Aotearoa Immunisation Register (AIR) draft code sets

The following draft code systems and value sets support the FHIR implementation of the Aotearoa Immunisation Register (AIR).

- Body site
- Diseases covered
- Indication (reason vaccination was given, for example as part of the immunisation programme)
- Route of administration
- Status reason (reason patient didn't receive vaccination)
- Vaccinator function
- Vaccine product (includes SNOMED CT, NZMT, CVX and NZVX codes)

CVX codes are sourced from CDC
https://www2a.cdc.gov/vaccines/iis/iisstandards/vaccines.asp?rpt=cvx and local vaccination codes appear in the NZVX code set.

Some of the value sets include both SNOMED CT and legacy codes previously used in the National Immunisation Register (NIR). These legacy codes will be phased out over time.

Example CVX query:

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

CanShare value sets

Value sets are now available for each of the 72 CanShare reference sets included in the April 2023 release of the SNOMED CT NZ Edition. They cover systemic anti-cancer treatment, breast cancer, haematology, staging, TNM categories and a small number of common cancer related data elements. Further value sets will be created for these tumour streams.

Iwi affiliation codes

Iwi affiliation codes from the Iwi and iwi-related groups statistical classification V2.1.0 published by Stats NZ on Aria.

Upcoming releases

New content we'll release in coming months includes:

- In June 2023, ethnic group codes, clinical document metadata code sets and Read to SNOMED maps
- In July 2023, NZ Medicines Terminology (NZMT) lite content
- In August 2023, UCUM (units of measure) code sets, EDQM, MedDRA 26.0 and oral health code sets.

News and education

Register at the links for our next two online events:

- FHIR®, SNOMED and IPS Learnathon, 15 June 2023
- SNOMED NZ Open Forum, 10 October 2023

And look out for our **Advancing SNOMED CT implementation series** with SNOMED International starting in 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.

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 us at https://forum.hinz.org.nz/c/standards