**Home tab**

This IG is to support retrieving formulary and medication information in New Zealand. This is part of a project by the NZULM/NZ Formulary to provide the information we produce and collate in a standards-based form. As an organisation we want to make it as easy as possible to retrieve the medication information that you require in a timely manner.

The key resource for this implementation is the Medication resource. For those that are familiar with the New Zealand Medicines Terminology (NZMT) we will provide a medication resource for the key types of medications in the NZMT. These are:

* Medicinal Product Unit of Use (MPUU) e.g. paracetamol 500 mg tablet
* Trade Product Unit of Use (TPUU) e.g. Panadol (paracetamol 500 mg) tablet: film-coated, 1 tablet
* Container Trade Product Pack (CTPP) e.g. Panadol 500 mg tablet: film-coated, 1000 tablets, blister pack
* Medicinal Product Pack (MPP) e.g. paracetamol 120 mg/5 mL oral liquid, 200 mL
* Trade Product Pack (TPP) e.g. Panadol 500 mg tablet: film-coated, 12 tablets

We will also provide a list of Medicinal Products (MP - e.g. Paracetamol) and Trade Products (TP - e.g. Panadol) as value sets.

The standard Medication resource provides the key information needed for integration however we have defined several extensions to allow for the addition of specific NZULM/Formulary information.

|  |  |
| --- | --- |
| **Extension** | **Description** |
| Type | Type of NZMT reference (e.g. CTPP, MPUU) etc. |
| Cautionary and Advisory Labels (CALs) | List of all Cautionary and Advisory labels associated with the medication |
| ATC | The Anatomical Therapeutic Chemical Classification code(s) |
| Section 29 | Whether the medication is section 29 or not |
| Legal Classification | Medsafe legal classification |
| Prescribe by Brand | Whether the medication should be prescribed by brand or not |
| Funding | NZ specific funding information provided by pharmac |
| Pharmac Supply Information | Pharmac provided information detailing medication supply issues |
| Links | Links to associated resources, such as monographs, datasheets and patient information leaflets |

However not all extensions apply to medications of different types. The following table shows which extensions apply to which medication type.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **MPUU** | **TPUU** | **MPP** | **TPP** | **CTPP** |
| Cautionary and Advisory Labels (CALs) | Yes | Yes | Yes | Yes | Yes |
| ATC | Yes | Yes | Yes | Yes | Yes |
| Section 29 |  |  |  |  | Yes |
| Legal Classification |  |  |  |  | Yes |
| Prescribe by Brand | Yes |  |  |  |  |
| Funding |  |  |  |  | Yes |
| Pharmac Supply Information | Yes | Yes | Yes | Yes | Yes |

The medication resources will also link to several documents. To facilitate this, we intend to have use DocumentReference resources. Currently the intention is to have document references to formulary monographs, datasheets, patient information leaflets and pharmac special authortity forms. These will be linked to from the specific medication that they apply to as well as at a DocumentReference endpoint. This will allow for retrieval of all DocumentReferences of a certain type (e.g. give me all the datasheets etc.).

As we stated we want this to be as useful as possible so please get in touch if you have any feedback.

**Data Mappings: (new tab)**

**MPUU**

|  |  |  |
| --- | --- | --- |
| **FHIR Field** | **Status** | **Source Data** |
| code | Populated | MPUU SCT Id |
| status |  |  |
| manufacturer | Not populated |  |
| form | Populated | Doseform from MPUU.ManufacturedDoseForm |
| amount |  |  |
| ingredients | Populated | MP From MPUU.MP  Substances From MPUU.MP -> Substances |
| batch | N/A |  |
| **Extensions** |  |  |
| Type | Populated | ‘mpuu’ |
| CALs | Populated | CALs from MPUU -> CALs mapping |
| ATC | To be populated | nzmt\_atc\_links |
| Section 29 | N/A |  |
| Legal Classification | N/A |  |
| Prescribe by brand | Populated | MPUU.prescribe\_by\_brand |
| Funding | N/A |  |
| Pharmac supply Info | Populated | Pharmacy supply based on MPUU SCT ID |
| Links | To be populated |  |

**TPUU**

|  |  |  |
| --- | --- | --- |
| **FHIR Field** | **Status** | **Source Data** |
| code | Populated | TPUU SCT Id |
| status |  |  |
| manufacturer | Not populated |  |
| form | Populated | Doseform from TPUU.ManufacturedDoseForm |
| amount |  |  |
| ingredients | Populated | MP From TPUU -> MPUU.MP  Substances From TPUU -> MPUU.MP -> Substances |
| batch | N/A |  |
| **Extensions** |  |  |
| Type | Populated | ‘tpuu’ |
| CALs | Populated | CALs from TPUU -> MPUU -> CALs mapping |
| ATC | To be populated | nzmt\_atc\_links |
| Section 29 | N/A |  |
| Legal Classification | N/A |  |
| Prescribe by brand | N/A |  |
| Funding | N/A |  |
| Pharmac supply Info | Populated | Pharmac supply based on TPUU SCT ID |
| Links | To be populated |  |

**MPP**

|  |  |  |
| --- | --- | --- |
| **FHIR Field** | **Status** | **Source Data** |
| code | Populated | MPP SCT Id |
| status |  |  |
| manufacturer | Not populated |  |
| form | Not populated |  |
| amount |  |  |
| ingredients | Populated | MPs From MPP -> MPUU.MP  Substances From MPP -> MPUU.MP -> Substances |
| batch | N/A |  |
| **Extensions** |  |  |
| Type | Populated | ‘mpp’ |
| CALs | Populated | CALs from MPP -> MPUU -> CALs mapping |
| ATC | To be populated | nzmt\_atc\_links |
| Section 29 | N/A |  |
| Legal Classification | N/A |  |
| Prescribe by brand | N/A |  |
| Funding | N/A |  |
| Pharmac supply Info | Populated | Pharmac supply based on MPP SCT ID |
| Links | To be populated |  |

**TPP**

|  |  |  |
| --- | --- | --- |
| **FHIR Field** | **Status** | **Source Data** |
| code | Populated | TPP SCT Id |
| status |  |  |
| manufacturer | Not populated |  |
| form | Not populated |  |
| amount |  |  |
| ingredients | Populated | MPs From TPP -> TPUU -> MPUU.MP  Substances From TPP -> TPUU -> MPUU.MP -> Substances |
| batch | N/A |  |
| **Extensions** |  |  |
| Type | Populated | ‘tpp’ |
| CALs | Populated | CALs from TPP -> TPUU -> MPUU -> CALs mapping |
| ATC | To be populated | nzmt\_atc\_links |
| Section 29 | N/A |  |
| Legal Classification | N/A |  |
| Prescribe by brand | N/A |  |
| Funding | N/A |  |
| Pharmac supply Info | Populated | Pharmac supply based on TPP SCT ID |
| Links | To be populated |  |

**CTPP**

|  |  |  |
| --- | --- | --- |
| **FHIR Field** | **Status** | **Source Data** |
| code | Populated | CTPP SCT Id PHARMACODE |
| status | To be populated | Active = |
| manufacturer | Not populated |  |
| form | Not populated |  |
| amount |  |  |
| ingredients | Populated | MPs From CTPP -> TPUU -> MPUU.MP  Substances From CTPP -> TPUU -> MPUU.MP -> Substances |
| batch | N/A |  |
| **Extensions** |  |  |
| Type | Populated | ‘ctpp’ |
| CALs | Populated | CALs from CTPP -> TPUU -> MPUU -> CALs mapping |
| ATC | To be populated | nzmt\_atc\_links |
| Section 29 | Populated | ctpp.is\_section\_29 |
| Legal Classification | Populated | Medsafe package, details to come |
| Prescribe by brand | N/A |  |
| Funding | Populated | Pharmac tables, details to come |
| Pharmac supply Info | Populated | Pharmac supply based on TPP SCT ID |
| Links | To be populated |  |

**Common Scenarios: (new tab)**

To be populated

**Examples: (new tab)**

**Frequently asked Questions (new tab)**

How do I access the data?

Offline access?

How do I move from NZULM CSVs?

How do I move from NZF Formulary data?