

Release Notes Medtech32

New Zealand Formulary (BPACNZRx) Integration



Prescribing post Activation

(February 2020)



These release notes contain important information for Medtech32 users. Please ensure that they are circulated amongst all relevant staff. We suggest that this document is filed safely for future reference.

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Patient Medications

Mapping MIMS Medications to NZF Medications

Module ► Clinical ► Patient Medications

Following activation of BPACNZRx, existing MIMS Medication records for a patient will be mapped and converted to the equivalent NZF Medication records. Where the existing MIMS Medication records are unable to be mapped and converted, the patient Medications will be retained in the Patient Medication list. They will, however, be displayed in italic font and will be unable to be automatically repeated for the patient.

Rep	Date	Drug Name	Qty	Directions
<input type="checkbox"/>	26 Mar 2018	Amoxicillin 250mg Cap	12	1 caps, Three Times Daily
<input checked="" type="checkbox"/>	26 Mar 2018	Amoxicillin 250mg Cap	12	1 caps, Three Times Daily
<input type="checkbox"/>	26 Mar 2018	Atorvastatin 10mg Tab	12	1 tabs, Three Times Daily
<input type="checkbox"/>	26 Jan 2018	Simvastatin 10mg Tab	12	1 tabs, Three Times Daily
<input type="checkbox"/>	5 Dec 2018	Rivaroxaban 10mg Tab [15]	12	1 tabs, Three Times Daily
<input type="checkbox"/>	<i>24 Aug 2018</i>	<i>Midazolam Maleate 7.5mg Tab</i>	0	
<input type="checkbox"/>	24 Aug 2018	Lorazepam 4mg/1ml Inj (section 29)	0	
<input type="checkbox"/>	24 Aug 2018	Diazepam 10mg/10ml Elixir (section 29)	12	1, Three Times Daily
<input type="checkbox"/>	15 Aug 2018	Warfarin Sodium 1mg Tab	12	1 tabs, Three Times Daily
<input type="checkbox"/>	12 Feb 2018	Amoxicillin 250mg Cap	12	1 caps, Three Times Daily
<input type="checkbox"/>	18 Jan 2018	Penicillamine 125mg Tab	12	1 tabs, Three Times Daily
<input type="checkbox"/>	28 Nov 2017	Amoxicillin 250mg Cap	12	1 caps, Three Times Daily
<input type="checkbox"/>	<i>28 Nov 2017</i>	<i>Paracetamol 120mg/5ml Oral Susp</i>	15	15 ml, Immediately
<input type="checkbox"/>	15 Nov 2017	Panadol 125mg Supp	0	25 sup, Immediately
<input type="checkbox"/>	15 Nov 2017	Amoxicillin 250mg Cap	12	1 caps, Three Times Daily

The mapping of the existing MIMS Medication records to new NZF based Medication records is a pre-requisite for BPACNZRx prescribing when repeating medications to ensure that during the repeating process a Medication for a patient is able to be successfully recorded and that all related Medical Warnings are displayed appropriately during prescribing of related medications.

Important Note – Repeating un-mapped (italic) Patient Medications

All existing MIMS based Medication records selected for repeating for a patient that are unmapped must be reclassified to the equivalent NZF Medication during the repeat prescribing process to avoid potential prescribing errors.

Please be aware that any patient Medications that are displayed in italics are not recognised by the Drug to Drug Interaction checks performed when prescribing.

Steps to remap a Medication record when selected for repeating

Selecting to repeat an existing MIMS based Medication (or multiple Medications) that requires mapping to an NZF based Medication (medication displayed in italics) will require you to check and complete the following actions:

1. Select patient Medications to Repeat

Select an existing MIMS based Medication (or multiple Medications) to repeat for a patient that requires mapping to an NZF based Medication. The existing MIMS based Medications that require mapping are those that are displayed in italics in the Patient Medication list.

Rep Date	Drug Name	Qty	Directions
<input type="checkbox"/>	26 Mar 2018 Amoxicillin 250mg Cap	12	1 caps, Three Times Daily
<input checked="" type="checkbox"/>	26 Mar 2018 Amoxicillin 250mg Cap	12	1 caps, Three Times Daily
<input type="checkbox"/>	26 Mar 2018 Atorvastatin 10mg Tab	12	1 tabs, Three Times Daily
<input type="checkbox"/>	26 Jan 2018 Simvastatin 10mg Tab	12	1 tabs, Three Times Daily
<input type="checkbox"/>	5 Dec 2018 Rivaroxaban 10mg Tab [15]	12	1 tabs, Three Times Daily
<input checked="" type="checkbox"/>	24 Aug 2018 <i>Micazolan Maleate 7.5mg Tab</i>	0	
<input type="checkbox"/>	24 Aug 2018 Lorazepam 4mg/1ml Inj (section 29)	0	
<input type="checkbox"/>	24 Aug 2018 Diazepam 10mg/10ml Elixir (section 29)	12	1, Three Times Daily
<input type="checkbox"/>	15 Aug 2018 Warfarin Sodium 1mg Tab	12	1 tabs, Three Times Daily
<input type="checkbox"/>	12 Feb 2018 Amoxicillin 250mg Cap	12	1 caps, Three Times Daily
<input type="checkbox"/>	18 Jan 2018 Penicillamine 125mg Tab	12	1 tabs, Three Times Daily
<input type="checkbox"/>	28 Nov 2017 Amoxicillin 250mg Cap	12	1 caps, Three Times Daily
<input checked="" type="checkbox"/>	28 Nov 2017 <i>Faracetamol 1.21mg/5ml Oral Susp</i>	15	15 mls, Immediately
<input type="checkbox"/>	15 Nov 2017 Panadol 125mg Supp	0	25 sup, Immediately
<input type="checkbox"/>	15 Nov 2017 Amoxicillin 250mg Cap	12	1 caps, Three Times Daily

2. Use the Drug Map screen to identify the closest NZF based Medication

On trying to repeat an existing MIMS based patient Medication (displayed in italics), the closest NZF based Medication matches will be listed for selection.

WARNING
Quetiapine Fumarate
 This medication is from the old database and cannot be prescribed.
 Please select a new medication from the list of alternatives below or click 'Search' to select from the full drug list.
 Copy prescribing details from old medication

SA Drugs: Subsidised:

Exclude drugs in sports prohibited at All times in Competition only in selected sports [Rx Safety Info](#)

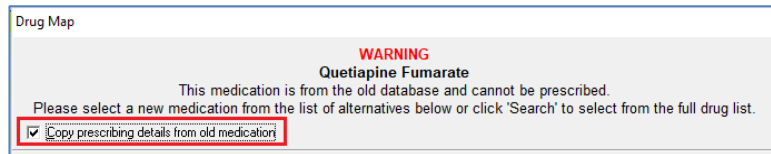
Brand/Generic	Form	Brand	Sub
Quetiapine 100 Mg Tablet (Dp-Quetiapine)	Tablet	DP-QUETIAPINE	
Quetiapine 100 Mg Tablet (Auro-Quetiapine)	Tablet	AURO-QUETIAPINE	
Quetiapine 100 Mg Tablet (Seroquel)	Tablet	SEROQUEL	
Quetiapine 100 Mg Tablet (Quetapel)	Tablet	QUETAPEL	
Quetiapine 200 Mg Tablet (Dp-Quetiapine)	Tablet	DP-QUETIAPINE	
Quetiapine 200 Mg Tablet (Auro-Quetiapine)	Tablet	AURO-QUETIAPINE	
Quetiapine 200 Mg Tablet (Seroquel)	Tablet	SEROQUEL	
Quetiapine 200 Mg Tablet (Quetapel)	Tablet	QUETAPEL	
Quetiapine 25 Mg Tablet (Dp-Quetiapine)	Tablet	DP-QUETIAPINE	
Quetiapine 25 Mg Tablet (Auro-Quetiapine)	Tablet	AURO-QUETIAPINE	
Quetiapine 25 Mg Tablet (Seroquel)	Tablet	SEROQUEL	

Strength	Price	PML
quetiapine 25 mg tablet	1.79	
quetiapine 100 mg tablet	0.00	
quetiapine 200 mg tablet	0.00	
quetiapine 300 mg tablet	0.00	

Buttons: OK, Brand, NZF, Search, Cancel, Help

Select the most suitable NZF based medication and strength (if it is not the one that has been selected automatically for you).

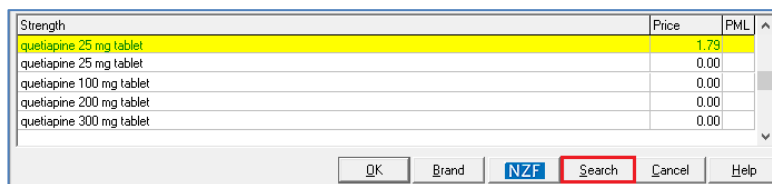
The checkbox 'Copy prescribing details from old medication' is ticked by default to preserve dosage, frequency, period, mitte and classification values in the existing MIMS based patient Medication record.



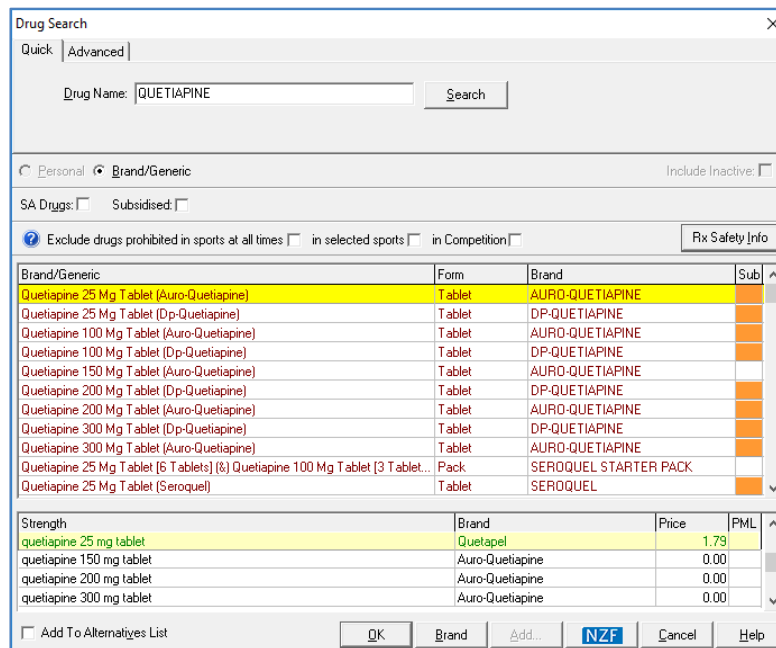
(OR)

2. Use the Drug Search screen to identify the closest NZF based Medication

If there are no suitable NZF based Medication matches, then the **Drug Search** window can be launched by clicking the 'Search' button at the bottom of the Drug Map screen.



Select the most suitable NZF based medication and strength.



The checkbox 'Copy prescribing details from old medication' is ticked by default on the Drug Map screen which was opened prior to the Drug Search screen to preserve dosage, frequency, period, mitte and classification values in the existing MIMS based patient Medication record.

Important Note – Selection of Medication Strength

Care must be taken if you are selecting a Medication with a different strength. If this occurs default prescribing details/instructions for the Patient Medication will need to be altered appropriately.

3. Save the change in Medication name

Once the selection of the most suitable NZF based medication and strength has been completed click on the OK button to save the change from the MIMS based Medication to the selected NZF based Medication.

Strength	Brand	Price	PML
quetiapine 25 mg tablet	Quetapel	1.79	
quetiapine 150 mg tablet	Auro-Quetiapine	0.00	
quetiapine 200 mg tablet	Auro-Quetiapine	0.00	
quetiapine 300 mg tablet	Auro-Quetiapine	0.00	

Add To Alternatives List

 Brand
 Add...
 NZF
 Cancel
 Help

The New Patient Medication screen will be displayed, presenting the selected NZF based medication.

New Patient Medication GMS: A4

Main | Audit

Drug: Quetiapine 25 Mg Tablet

Dosage: 1 tablet Freq: Three Times Daily (TDS) Period: 5 days

Mitte: 15 tablet Amount: 49.67

Directions: 1 tablet, Three Times Daily

Repeats: 0 Options...

Administer: oral Administered in Clinic

Initial Dispensing Period: days Provider Eligible for Co-Payment

Provider: Sam Eaves (SFE) Prescribed Externally

Date of Issue: 27 May 2019 External Provider:

Classification: Confidential Long Term

Status: Generic Substitution

Recommended by Specialist Patient meets Endorsement Criteria

Specialist: Date Recommended:

Previous Drug: Quetiapine Fumarate

Interactions **Severe Allergy: Peanut "Shock"**

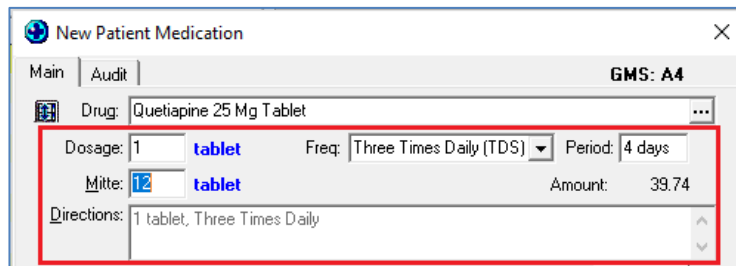
3 Warnings Pregnancy: Pregnancy: Compatible|Maternal Benefit >> Embryo-Fetal Risk: Preg

Severe Interactions between: Quetiapine 25 Mg Tablet; Viagra Inf

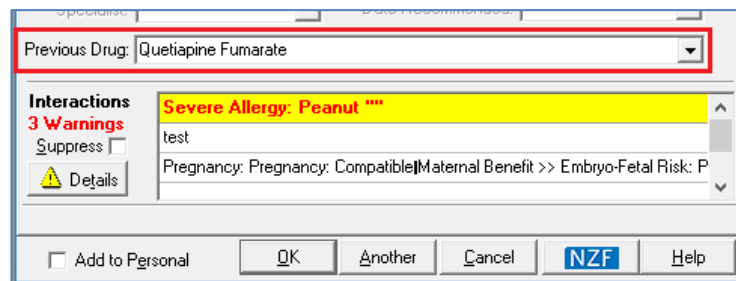
Add to Personal

4. Check and complete the Medication directions

Check and complete the administration directions for the selected NZF based medication to ensure that they are correct. Where possible the dosage, frequency, period and mitte values in the existing MIMS based patient Medication record will be displayed by default.

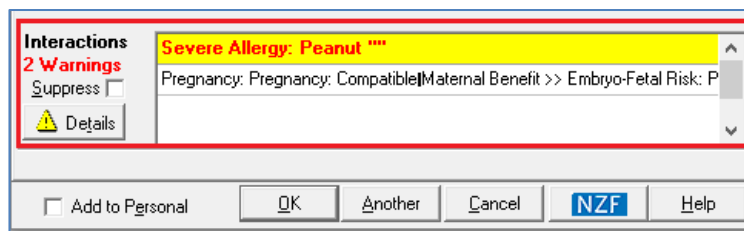


The 'Previous Drug' field will display the name of the previous MIMS based patient Medication that was selected before the change to the NZF based patient Medication.



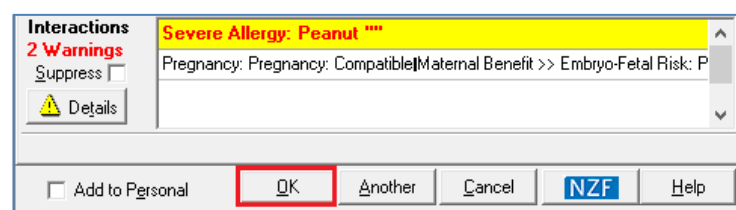
5. Review Interaction Warning for the new Patient Medication

Once you have checked and completed the administration directions for the new Patient Medication review any Interaction Warnings that may be presented to you.



6. Save the change in Medication record

Once you have reviewed any Interaction Warnings for the new Patient Medication that may be presented to you click on the OK button to save the new NZF based Medication.



This will complete the repeating process for the Patient Medication, and make it available for any further re-prescribing in the Patient's Medication list.

Rep	Date	Drug Name	Qty
<input type="checkbox"/>	25 May 2019	Quetiapine 25 Mg Tablet	12
<input type="checkbox"/>	18 Aug 2017	<i>Quetiapine Fumarate</i>	7
<input type="checkbox"/>	8 Apr 2014	<i>Paraffin</i>	5

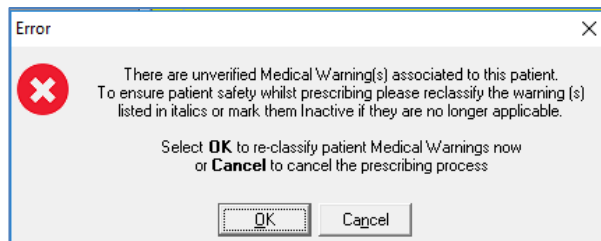
Important Note – Presentation on the Drug Map screen

The Drug Map screen will be presented for each of the patient Medications selected for repeating that are existing MIMS based Medication records that are yet to be reclassified to the equivalent NZF Medication. The process for mapping a patient Medication must be completed for each of the Medications one by one.

New Patient Medication

Module ► Clinical ► New Prescriptions

When the prescriber opens the prescribing screen for the first time after migrating to BPACNZRx, and the selected patient has unmapped Medical Warnings the following warning message will be displayed when selecting to create a New Prescription:



If the selected patient has multiple unmapped Medical Warnings in their patient record, on clicking OK, the Medical Warnings grid will be opened automatically.

Date of Onset	Medical Warning	Severity	Note
18 Apr 2019			Peanut
18 Aug 2017	<i>benzylpenicillin</i>		
18 Aug 2017	<i>acetic acid</i>		
05 Jul 2017	<i>Penems</i>		
03 Nov 2016	<i>Penicillamine</i>		

If the selected patient has a single unmapped Medical Warning in their patient record, on clicking OK, the View Medical Warning will be opened automatically.



On clicking Cancel, the prescribing process will be cancelled and the warning message will be closed.

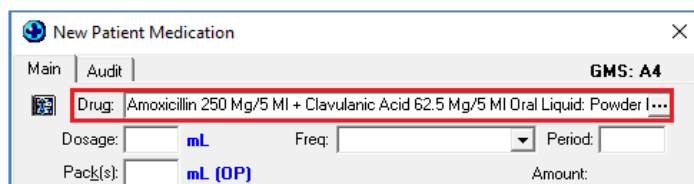
Important Note – Medical Warning Mapping

All existing MIMS based Medical Warnings for a patient that are unmapped must be reclassified to the equivalent NZF Medical Warning and the Severity value set before prescribing for the patient is permitted to avoid potential prescribing errors.

To accommodate the introduction of the New Zealand Formulary drug data within Medtech32, the following changes have been made in the New Patient Medication screen:

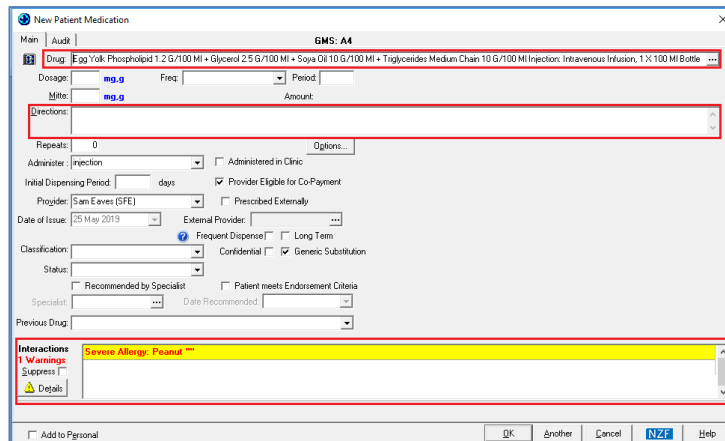
NZF Drug Terms

The new NZF drug terms used for the BPACNZRx prescribing module may be longer than the previous MIMS drug terms as they include the component substances along with their respective strengths within a particular preparation.



Due to the long drug term, the full description of the drug may not be visible in the Drug field in the New Patient Medication screen when prescribing.

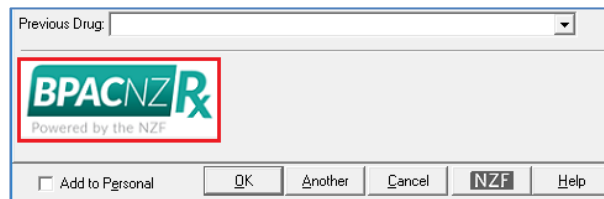
Should it be necessary to view the full NZF drug name, the field can be expanded by dragging the right side border of the New Patient Medications window. This feature also applies to **Directions** and **Interactions**.



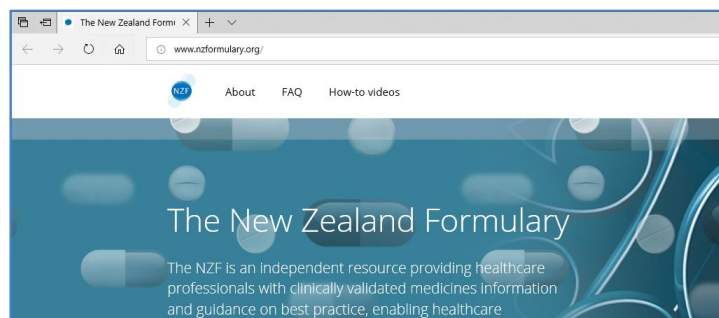
The size of the New Patient Medication Window will be remembered if 'Remember Screen Size' configuration is enabled for the user in Staff Setup.

BPACNZRx logo

The BPACNZRx logo will display in the Interaction Warning section at the bottom of the New Patient Medication screen when no Interaction Warning messages are displayed.



Clicking on the BPACNZRx logo will open the NZ Formulary website <http://www.nzformulary.org/> in the user default web browser.



Drug Search

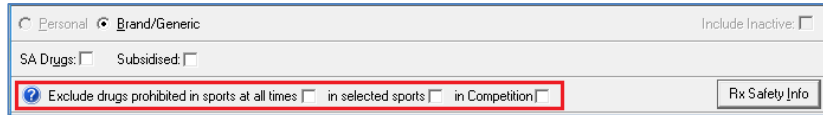
When searching for a medication to prescribe to the patient, the Drug Search screen will now perform the drug search within the NZF drug database.

The following itemises the changes to the Drug Search screen for the BPACNZRx prescribing module:

- Search by 'Therapeutic Options' has been removed from both the Quick and Advanced tabs

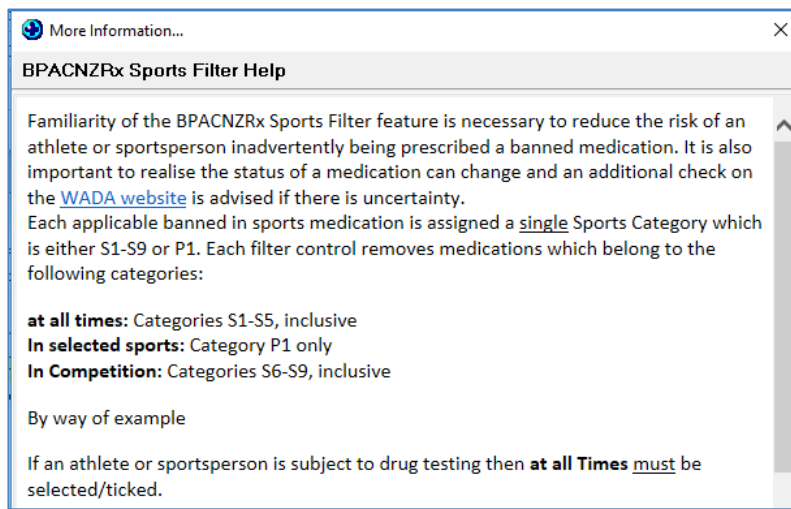
- The 'Sub' filter has been renamed to its full term 'Subsidised'

- Exclude 'Unsafe in Pregnancy' filter has been removed, as the pregnancy related information from the monograph will be displaying during prescribing which can be double clicked to open the monograph section to view the full contents.
- 'Exclude Banned in Sport' filter has been removed, and has been replaced with a new set of filter options which follow the World Anti-Doping Agency (WADA) classification of three categories:
 - Exclude drugs prohibited in sports at all times
 - Excluded in selected sports
 - Excluded in competition only



If a patient is a competitive athlete & subject to drug testing, then the 'Exclude drugs prohibited in sports at all times' must be checked. If they are an athlete in an eye/hand coordinated sport, which bans beta blockers, then the 'in selected sports' must be checked. Finally, if they are in competition or are about to compete, then 'in competition' must ALSO be checked.

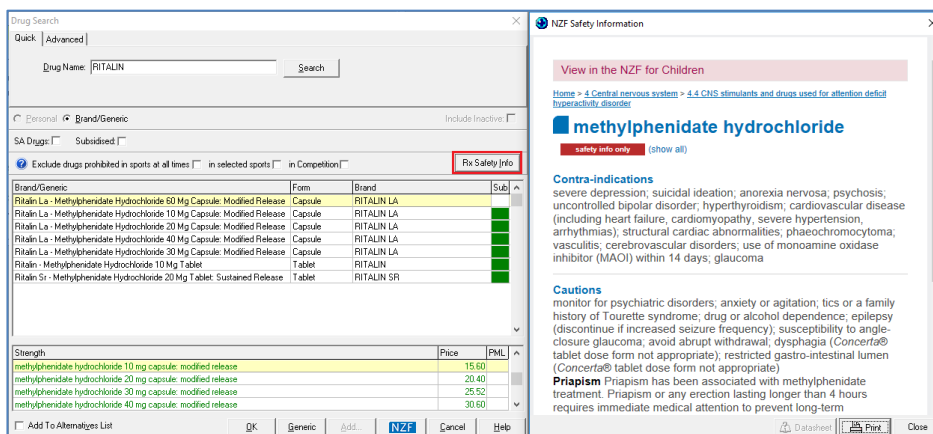
Clicking on the Help icon next to the new Sport filters will open and display Guidance on using these new filter controls.



- A new 'Rx Safety Info' feature has been added to the Drug Search screen.

The Rx Safety Info feature is an important new feature which can be used to ensure a drug is not contra-indicated in hepatic and renal impairment, pregnancy and breast-feeding.

Clicking on the Rx Safety Info button on the Drug Search screen after selecting a medication will open the NZF Safety Information screen.

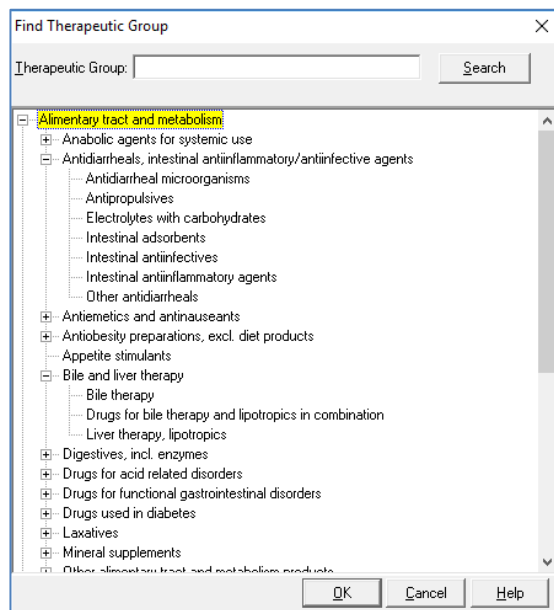


As the 'Unsafe in Pregnancy' filter has been removed, it is important that a prescriber refers to the 'Rx Safety Info' section carefully before prescribing.

Important Note – NZF Safety Information

Unlike MIMS the NZF Safety Information is not stored locally in the practice’s system. The NZF Safety Information is an online web-based resource, and requires an internet connection to be accessed. Being an online resource you can be assured that the information is as up to date as possible when using it, even if the latest drug update has not been run.

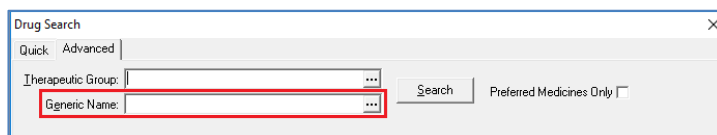
- Search by Therapeutic Group on the Advanced tab now provides a drill down to three levels of ATC (Anatomical Therapeutic Chemical) and is presented in a tree hierarchy



- The first level of the code indicates the anatomical main group
- The second level of the code indicates the therapeutic main group
- The third level of the code indicates the therapeutic/pharmacological sub-group

Please Note: Some levels may not display any medications which means no drugs are currently available within NZ that belong to the selected category.

- The ‘Generic Group’ option on the Advanced tab has been renamed to ‘Generic Name’



- Searching for all the preparations for a particular drug name will show the list of preparations in order of Strength.

Drug Search

Quick | Advanced

Drug Name: PARACETAMOL 125 Search

Personal | Brand/Generic Include Inactive

SA Drugs: Subsidised

Exclude drugs prohibited in sports at all times in selected sports in Competition Rx Safety Info

Brand/Generic	Form	Brand	Sub
Paracetamol 125 Mg Suppository (Panadol)	Suppository	PANADOL	
Paracetamol 125 Mg Suppository (Paracetamol (Pharmacy Health))	Suppository	PARACETAMOL (PHARMACY HEA...	
Paracetamol (Pharmacy Health) - Paracetamol 125 Mg Suppository	Suppository	PARACETAMOL (PHARMACY HEA...	
Paracetamol 125 Mg Suppository (Gacet)	Suppository	GACET	

Strength	Brand	Price	PKML
paracetamol 125 mg suppository	Gacet	3.29	
paracetamol 125 mg suppository	Paracetamol (Pharmacy Health)	0.00	
paracetamol 250 mg suppository	Paracetamol (Pharmacy Health)	0.00	
paracetamol 500 mg suppository	Paracetamol (Pharmacy Health)	0.00	

Add To Alternatives List OK Brand Add NZF Cancel Help

In the interests of clinical safety and to assist in avoiding Prescribing errors, all medication 'sets' will be ordered by strength in ascending order, where the lowest strength is to be at the top and the highest at the bottom.

In addition, to support the predominantly prescribed subsidised medications, the subsidised medication will be selected by default within the strength grid which suppresses other non-subsidised equivalents to be displayed.

Brand/Generic	Form	Brand	Sub
Amoxicillin 100 Mg/MI Oral Liquid: Powder For (Amoxil Paediatric Drops)	MI	AMOXIL PAEDIATRIC DROPS	
Amoxil Paediatric Drops - Amoxicillin 100 Mg/MI Oral Liquid: Powder For	MI	AMOXIL PAEDIATRIC DROPS	
Amoxicillin 125 Mg/5 MI + Clavulanic Acid 31.25 Mg/5 MI Oral Liquid: Powder For	MI	ALPHA-AMOXICYCLAV	
Amoxicillin 125 Mg/5 MI Oral Liquid: Powder For (Moxlin)	MI	MOXLIN	
Amoxicillin 125 Mg/5 MI Oral Liquid: Powder For (Miloxly 125)	MI	MILOSLY 125	
Amoxicillin 125 Mg/5 MI Oral Liquid: Powder For (Amoxicillin Actavis)	MI	AMOXICILLIN ACTAVIS	
Amoxicillin Actavis - Amoxicillin 125 Mg/5 MI Oral Liquid: Powder For	MI	AMOXICILLIN ACTAVIS	
Amoxicillin 250 Mg Injection: Powder For (Amoxil)	Vial	AMOXIL	
Amoxil - Amoxicillin 250 Mg Injection: Powder For	Vial	AMOXIL	
Amoxicillin 250 Mg/5 MI + Clavulanic Acid 62.5 Mg/5 MI Oral Liquid: Powder For	MI	ALPHA-AMOXICYCLAV	
Amoxicillin 250 Mg/5 MI Oral Liquid: Powder For (Amoxicillin Actavis)	MI	AMOXICILLIN ACTAVIS	

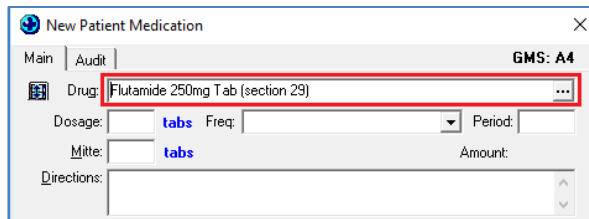
Strength	Brand	Price	PKML
amoxicillin 125 mg/5 mL oral liquid: powder for	Miloxly 125	0.00	
amoxicillin 125 mg/5 mL oral liquid: powder for	Alphamox	1.20	

Prescribe OK Brand Add NZF Cancel Help

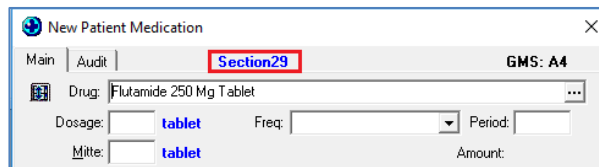
Section 29 Drugs

For Section 29 drugs, the term 'Section 29' is generally not included in the NZF drug term as it has been previously displayed for MIMS drug terms. Instead for Section 29 drugs you will now see the indicator displayed in bold blue font above the Drug field in the New Patient Medication screen.

Previous MIMS New/View Drug screen



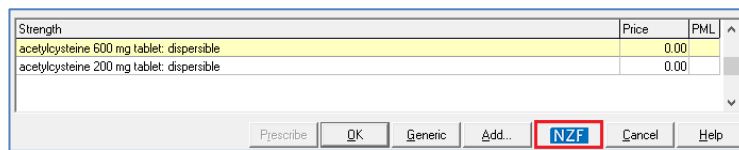
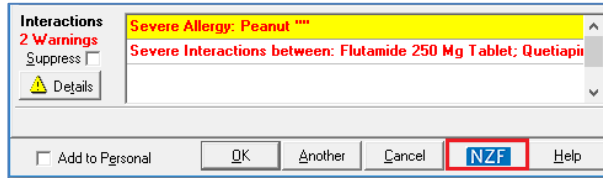
New BPACNZRx New/View Drug screen



Section 29 is also printed on the prescription for the attention of the Pharmacist Dispenser.

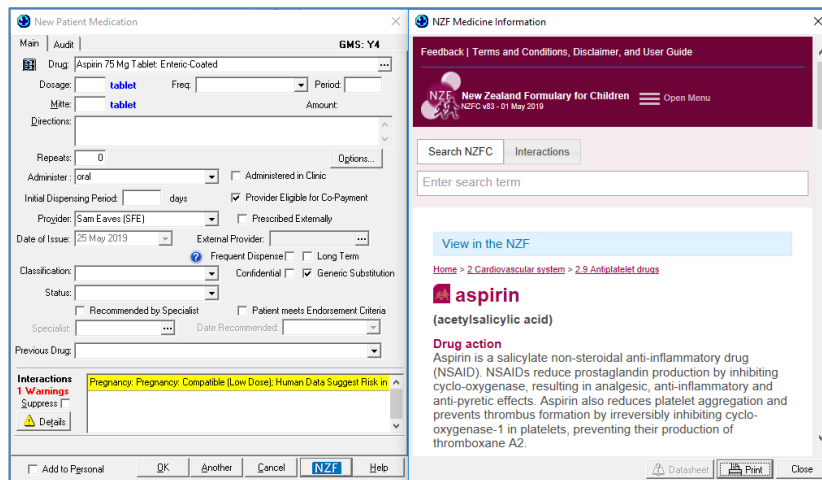
Monographs

The full NZF monographs can be accessed through the NZF button at the bottom of the New Patient Medications and Drug Search Window.

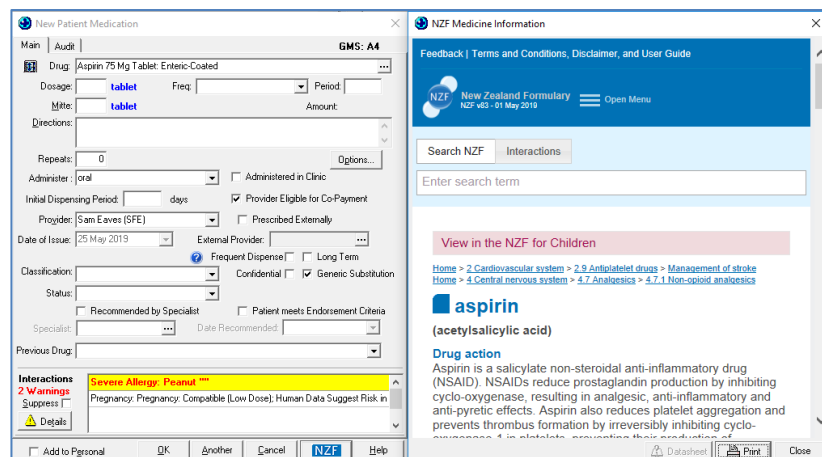


There are separate monographs available within the NZF for adults (blue header) and children (red header).

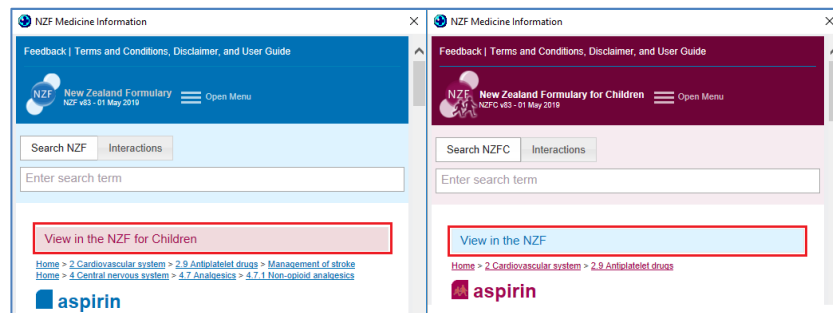
The type of monograph opened is predicated on the age of the selected patient recorded in the Patient Register. If the patient is aged 17 years or younger, the child monograph is opened.



If the patient is older than 17 years of age, the adult monograph is launched.

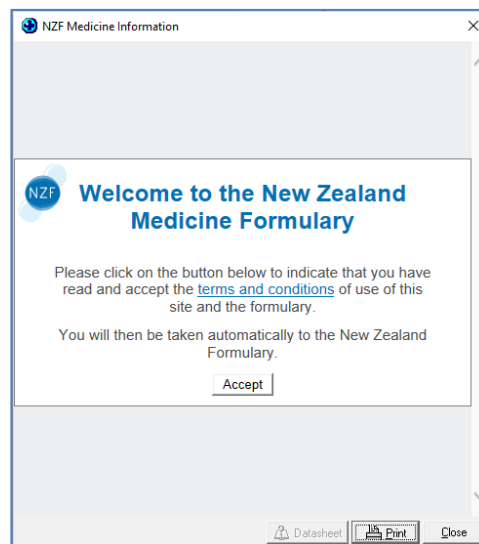


You can switch between the adult and child monographs by selecting the blue or red banner at the top of the NZF Medicine Information screen.



Important Note – Monograph Terms and Conditions

On accessing the NZF Monographs for the first time the user will be presented with the 'Welcome to the New Zealand Medicine Formulary' page. Please review and accept the Terms and Conditions for use of the NZF formulary before proceeding by clicking on the Accept button.

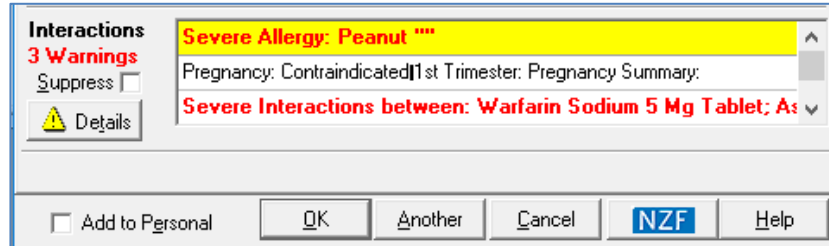


This message will display once for NZF Adult Monographs and once for NZF Child Monographs.

Please Note: If the NZF button is selected from the New Patient Medication screen and the patient is 17 years or younger the monograph automatically positions at the Dosage section for quick access.

Interactions

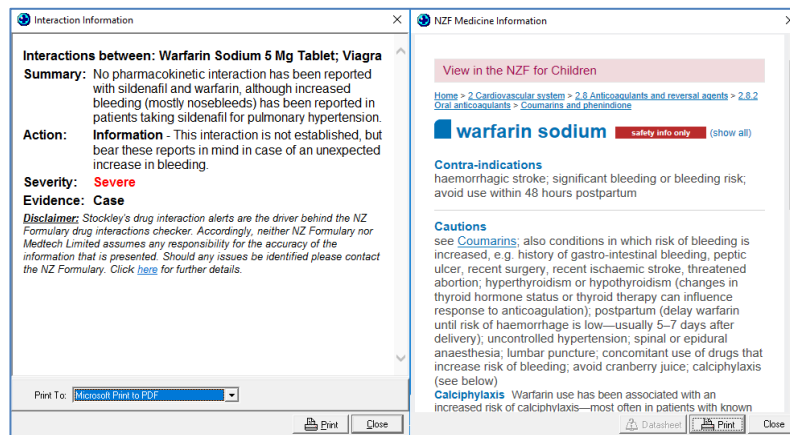
The interactions grid will display Medical Warnings, pregnancy related information and the drug and Drug to Drug Interactions.



The ordering of Interaction warnings displayed on the New Patient Medication screen will be:

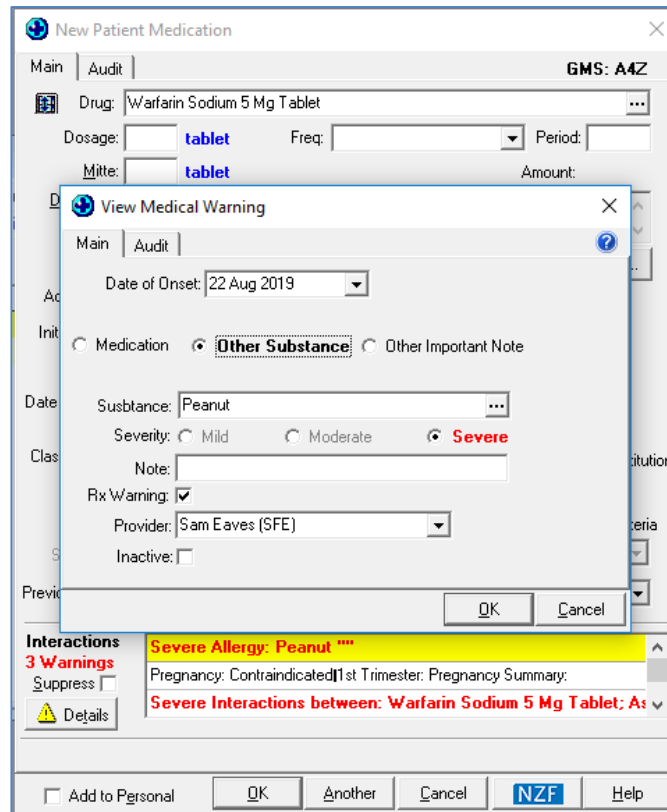
- Patient Medical Warnings, related to the prescribed drug if any, ordered by Severity
- Other Substance Medical warnings with Rx Warning ticked, ordered by Severity
- Patient Note Only with Rx Warning ticked, ordered by date created, oldest at the top
- Pregnancy section from NZF monograph
- Drug to Drug interactions, ordered by Severity

Each of the strings of interaction information can be double clicked to get further details (e.g. pregnancy string and/or drug or drug to drug interaction information) or alternatively click the Details button when the relevant information is highlighted.



When these pop-out windows are displayed they can be sized & positioned to suit. If 'Remember Screen Size' configuration is enabled for the user in Staff Setup, then they are displayed as configured next time they are opened.

For a Medication or Other Important Note interaction warning, double clicking will open the relevant View Medical Warnings screen providing the ability to edit or change the medical warning such as changing the Severity of the Medical Warning from the Interaction display or marking it Inactive if it is no longer relevant to the patient or it is a duplicate.



Meet Sara – she’s here to help!

Are you looking for a quick answer to your support query or changes related to this release?

Sara, our Virtual Support Chat Bot is available within our Insight Customer Portal 24 hours a day, 7 days a week, whenever you need help.

All you need to do is type a question, and Sara will provide the answer. She has been trained on most of the questions we get asked regularly on our Support Desk.

If Sara cannot answer your support query, she will assist you in creating a Support Ticket or can pass you onto a member of our Customer Care team.

If you would like to ask Sara your next support query, log into Insight at insight.medtechglobal.com