

Medtech32

Version 19.0

Medication & Prescribing Enhancements

Release Notes



IMPORTANT NOTE

Medtech recommends that all Medtech upgrades and database back-up and restore processes are performed by a Medtech Certified Technician or your Practice Technician. For a list of Medtech Certified technicians please visit the Medtech Global Website: www.medtechglobal.com.

These Release Notes contain important information for all Medtech32 Users. Please ensure that they are circulated amongst all your staff. We suggest that they are filed safely for future reference.

Table of Contents

For further information on these new features, or any other queries regarding the Medication and Prescribing Enhancements in Version 19.0 Release, please contact Medtech Support on 0800 2 MEDTECH (633 832) - Option 1 or send us a fax, toll free on 0800 MEDTECH (633 832) or email: nzsupport@medtechglobal.com.

Prerequisites	4
Version 19.0 Release Notes	5
Medication & Prescribing Enhancements	5
Setup	5
Drug	5
View Drug	5
Pregnancy and Sport	5
Drug Class	6
Staff	6
Interaction Warning Message	6
Granular Prescribing Directions	7
Clinical	8
Browse Medication	8
Prescribing from the Drug Browse Screen	9
Medical Warnings	10
Drug Class Medical Warnings	10
Un-Mapped Medical Warnings Report	11
Un-Approved Generics	12
No Known Allergies	13
No Known Allergies Medical Warning Type	13
Allergy Status Patient Palette Visual Indicator	14
Allergy Status Patient Manager Visual Indicator	14
Conversion of No Known Allergies Utility	15
Removal of No Known Allergies Warning	15
Drug Search	16
Exclude Unsafe in Pregnancy	16
Exclude Banned in Sport	17
Subsidised Drugs Only	18
Additional Quick Search Options	18
Therapeutic Options	18
Additional Advanced Search Options	20
Therapeutic Options	20
Generic Synonyms	20
New Patient Medication	22
Administer Field	22
Granular Prescribing	23
Prescribing with Enable Granular Prescribing Activated	23
Prescribing with Enable Granular Prescribing NOT Activated	25
Prescribing Generic or Brand	26
Generic Components	26
Prescribing Generic	27
Prescribing Brand	28
Prescribing Old Medications	29
Patient Medications List	29
Repeating Old Medications	30

Specialist Recommended Drugs.....	32
Drug Interactions and Warnings	33
Drug Interactions	33
New Interaction Checking Values	33
Same Medication Interactions.....	33
Display of Interaction Warnings	33
Interaction Warning Text.....	33
Number of Interaction Warnings	34
Interactions and Warnings Confirmation	35
Interaction Information Sheet.....	36
Other Prescribing Enhancements	37
MIMS Button.....	37
MIMS Medicine Information - Abbreviated Product Listing.....	37
Outbox.....	37

Prerequisites

Please review the following prerequisites and ensure they are met prior to installation;

1. Your practice **MUST** be on **Medtech32 Version 18.17** or above. If you ARE NOT on Medtech32 Version 18.17, please **DO NOT** continue.
2. Ensure a SUCCESSFUL Interbase BackUp and Restore has been performed on ALL databases.
3. Ensure you have a COMPLETE backup of the MT32 directory, and ALL databases located in the MT32\Data directory.
4. Ensure ALL users (including remote users) have logged out of Medtech32 and ALL scheduled utilities, backup or maintenance tasks that require access to the databases have been stopped.
5. Please ensure the Medtech32 Scheduler, NIR Directory Monitoring Utility, ACC Directory Monitor, Clinical Audit Tool Action Monitor and ManageMyHealth Online Appointments Manager are shut down prior to running the update.
6. Please ensure that the ManageMyHealth Communicator Windows Service and the ManageMyHealth SMS Communicator Windows Service are shut down prior to running the update. **Note:** These will need to be manually restarted after running the Version 19.0 installation.
7. Ensure the person(s) who will be performing the upgrade have read through all of the release documentation and installation instructions.

IMPORTANT: This documentation contains valuable information that, if not read, could seriously affect the upgrade progress and/or possible down time of your network.

8. Ensure you are logged onto Windows with Administrative rights when performing ANY installation, update, or maintenance tasks.

IMPORTANT: If the practice has been setup and configured to use the SureMed Insurance Form then you **MUST** be logged onto Windows with Domain Administrator rights when performing the upgrade to Version 19.0 . Failure to do this may result in disruption to the SureMed Insurance Form functionality and may require re-configuration.

Please refer to the SureMed Connected Care Installation Checklist-19072010.pdf on the Version 19.0 installation CD in the \Documents\Release Notes and Other Documents\SureMed Forms Documentation folder.

9. This update **MUST** be run on the Medtech32 Server and all users must be logged out of Medtech32.
10. Ensure ALL Briefcasing laptops with outstanding Briefcased data **MUST** be checked-in Prior To running the update.
11. This update must also be run on any laptop that is used for Briefcasing.

NOTE: ALL Briefcasing laptops **MUST** be updated to the same version and build as the Medtech32 Server.

Version 19.0 Release Notes

Medication & Prescribing Enhancements

The following changes have been made to the Medications and Prescribing modules within Medtech32 as a part of the Version 19.0 update.

(Please refer to the General Items Release Notes for Version 19.0 for all of the additional changes available in Version 19.0)

All Help Files for the Medtech32 application have been updated with changes associated with the Version 19.0 General Release.

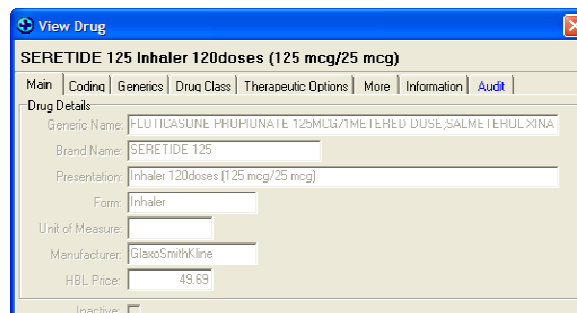
Setup

Drug

Setup ► Clinical ► Drug

View Drug

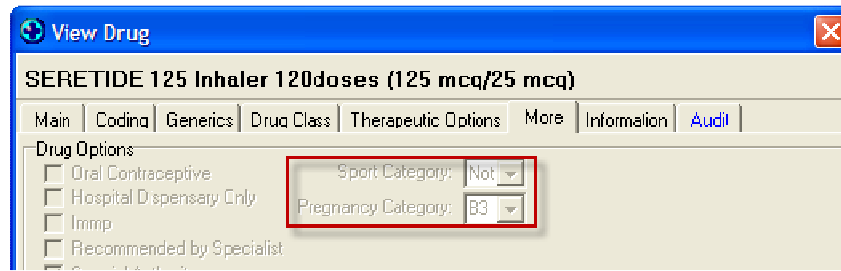
The “View Drug” screen has been modified so that the user cannot change the details of a MIMS Medication. The preferred check box under the Coding tab will always be enabled. Users can still add new user-defined drugs to the database and are also able to modify fields for these drugs.



Pregnancy and Sport

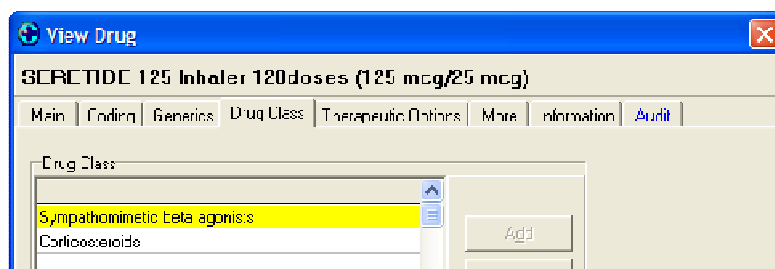
Medtech32 has been modified to identify drugs that are safe for pregnancy - or banned in sports - by introducing new fields in “Setup” of the drug.

New “Sport Category” and “Pregnancy Category” options are available under the **More** tab of the “View Drug” screen. The Sport and Pregnancy categories are mandatory and these fields must be filled in before saving any new drugs.



Drug Class

MIMS enables provision for a drug to have two or more “Drug Classes”. Medtech32 has been modified to accommodate any Drug Classes for a particular drug.

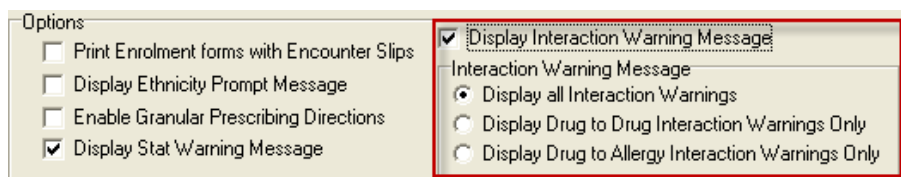


Staff

Setup ► Staff ► Members

Interaction Warning Message

A new **check box** has been added to the “Options” section of the **Provider Messages** tab in the “Staff Setup” called “**Display Interaction Warning Message**”.



This option, when selected, will provide the user with an additional Interaction Warning message screen when continuing to prescribe a medication for a patient that has active Interaction Warnings.

When ticked the three Interaction Warning Message options will become available for selection, with the Display all Interaction Warning messages defaulted to selected.

Display all Interaction Warnings

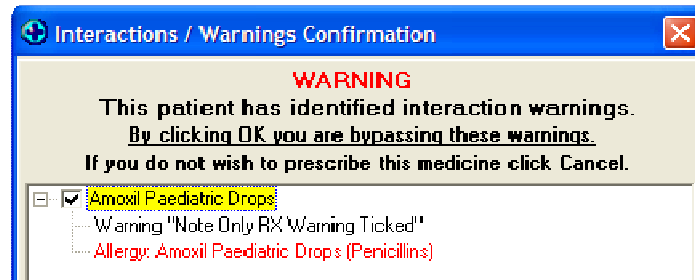
- This option will show all Interaction Warning Messages including Drug to Drug, Drug to Allergy, Cross Sensitivity, and Note Only with RX Warning ticked.

Display Drug to Drug Interaction Warnings Only

- This option will show only Drug to Drug, and Note Only with RX Warning ticked Interaction Warning Messages.

Display Drug to Allergy Interaction Warnings Only

- This option will show only Drug to Allergy, Cross Sensitivity, and Note Only with RX Warning ticked Interaction Warning Messages.

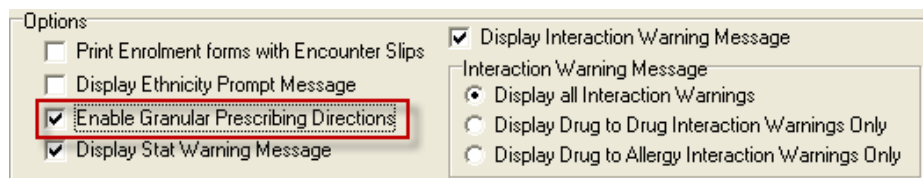


If the Display Interaction Warning Message option is **NOT** selected the additional Interaction Warning message will NOT be displayed.

The Display Interaction Warning Message option will be enabled by default for all providers on upgrade to Version 19.0 with the Display all Interaction Warnings option selected.

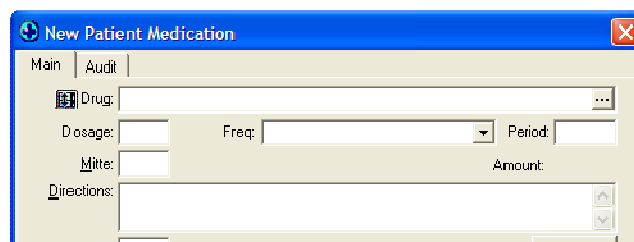
Granular Prescribing Directions

A new **check box** has been added to the “Options” section of the **Provider Messages tab** in the “Staff Setup” called **“Enable Granular Prescribing Directions.”**

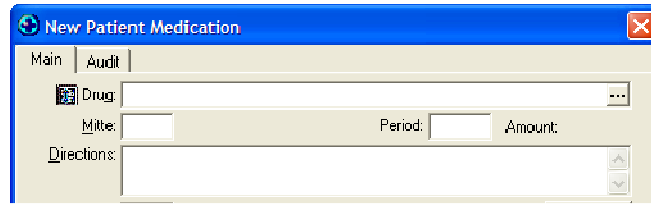


This option will be enabled by default for all providers on upgrade to Version 19.0.

With Enable Granular Prescribing Directions **ticked** the New Patient Medication screen will be presented to the user as per the below:



With Enable Granular Prescribing Directions **un-ticked** the New Patient Medication screen will be presented to the user as per the below:



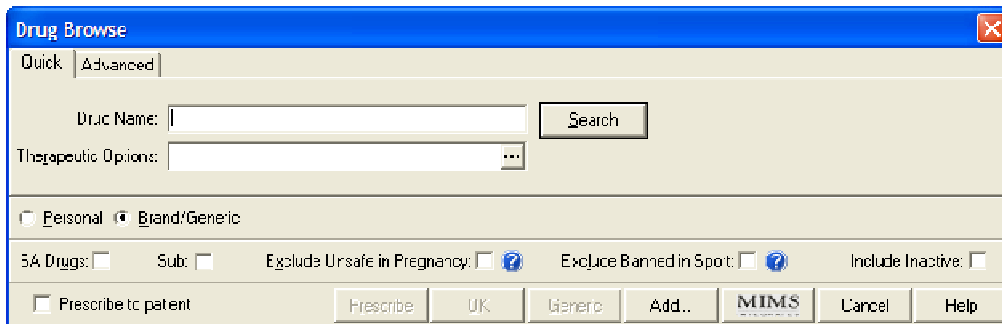
(See the New Patient Medication section of the Release Notes for further details on the Granular Prescribing functionality)


Clinical

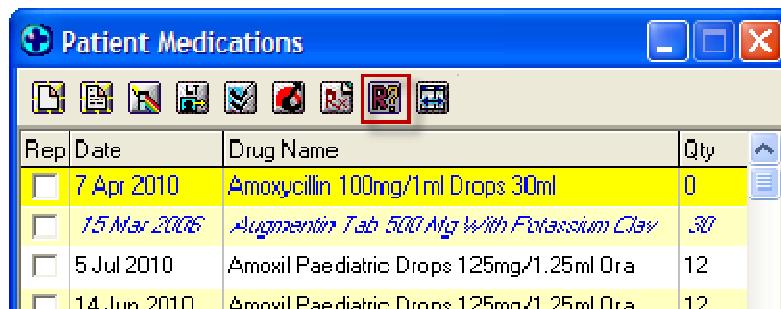
Browse Medication

Module ► Clinical ► Browse Medication

A new menu **Browse Medication** has been added to the Module ► Clinical menu. This will allow the provider to directly access the “Drug Browse” screen and enable search and browse through all medications.



A new icon  will also be available on the **Patient Medication** screen for the user to access the **Drug Browse** screen. This new icon is also available for addition the **Tool Bar**.



The **Browse Medication** menu item and icon will be available where there is no “active patient” on the palette however the user will only have facility to browse the drug database.

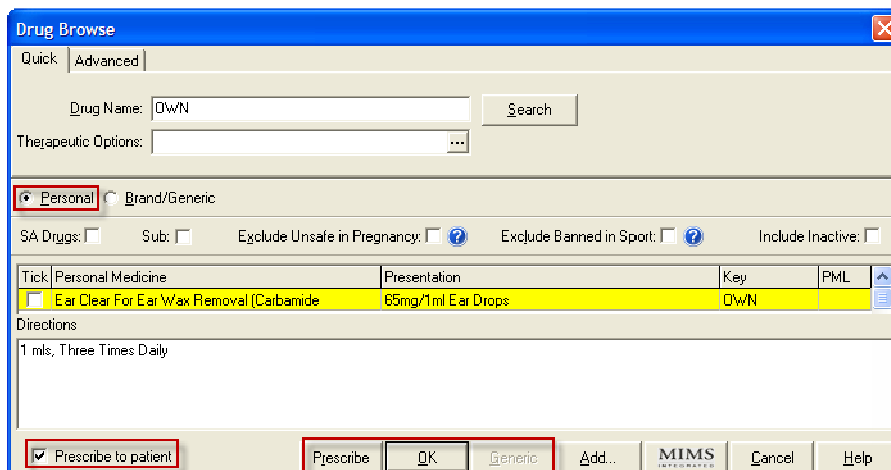
The user will not be able to prescribe any medication found in the Drug Browse screen whilst there is no “active patient” on the palette.

Prescribing from the Drug Browse Screen

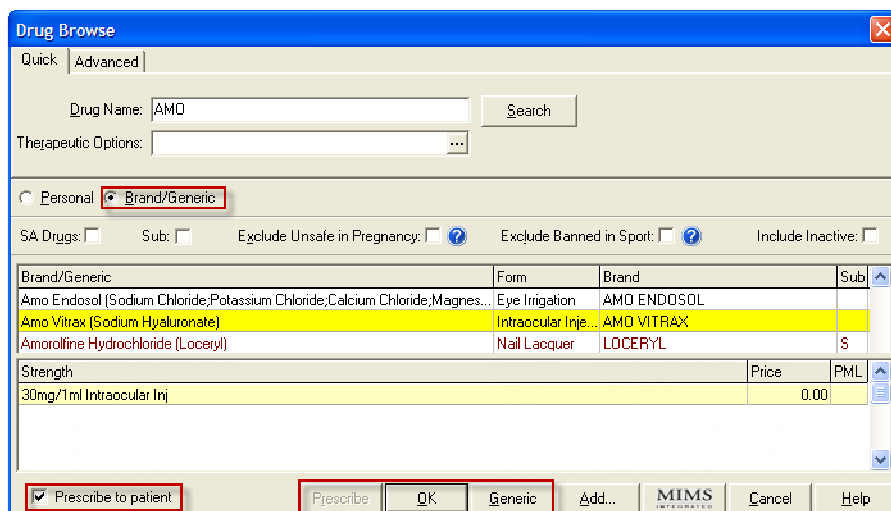
When the **Prescribe to Patient** check box is un-ticked and the user clicks the **OK** button, the **Drug Browse** screen will close and the application will return to the **Patient Medication** screen - either “Stand Alone” or within the “Patient Manager”.

When the Prescribe to Patient check box is ticked:

If a **Personal Drug** has been selected, the **Prescribe** button is enabled and **Generic** button is disabled.



If a **MIMS Drug** has been selected, then the **Prescribe** button is disabled whilst the **Generic** and/or **Brand** button is enabled based on the selected drug.



On selecting the drug the **New Patient Medication** screen will be displayed when the user selects the **Prescribe**, **Generic/Brand** or **OK** buttons - and pre-populates the fields accordingly.

Medical Warnings

Module ► Clinical ► Medical Warnings

Drug Class Medical Warnings

Users are currently able to record three types of Medical Warnings for patients:

- Interaction Class
- Generic Group
- Note Only

The “Interaction Class” option has now been removed and **Drug Class** has been added.

After upgrade to Version 19.0 the following options will be available for recording Medical Warnings for patients:

- Drug Class
- Generic Group
- Note Only

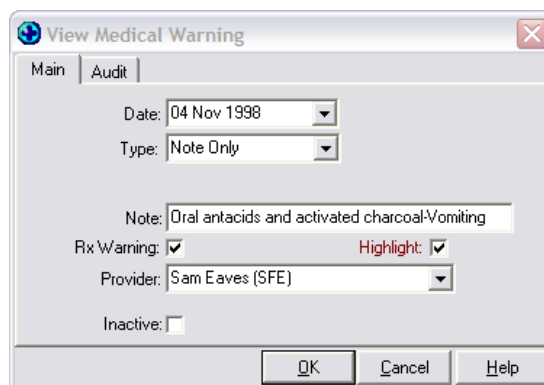
Adding a Drug Class medical warning for a patient follows the same process as the previous Interaction Class.

As part of the upgrade process to Version 19.0, MIMS have provided a mapping process, and where possible Interaction Class warnings will be converted to either their equivalent Drug Class or Generic Group warnings.

Current Interaction Class Warnings may take the following forms on upgrade:

- Single Interaction Class mapped to Single Generic Group
- Single Interaction Class mapped to Single Drug Class
- Single Interaction Class mapped to Multiple Generic Groups
- Single Interaction Class mapped to Multiple Drug Classes

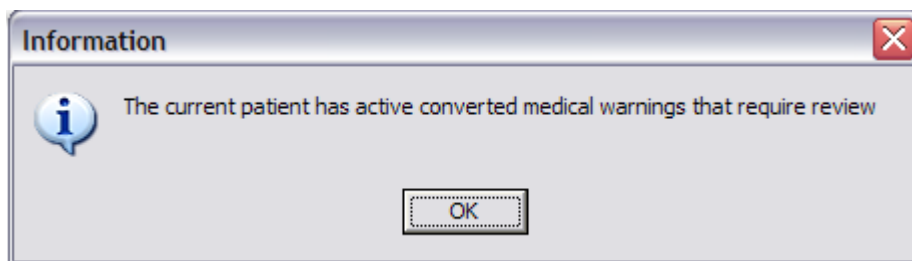
In some instances it will not be possible to map an Interaction Class to a Generic Group or a Drug Class. In these instances the Interaction Class warning for the patient will be converted to a Note Only record with RX Warning selected.



These unmapped converted warnings will contain the Interaction Class information in the Note field of the warning and will also be shown in Red in the Patient Medications list screen based on a Highlight flag that will be set on upgrade.

Date	Medical Warning	Note
04 Nov 1998		Antihistamines sedating
04 Nov 1998		Oral antacids and activated c
04 Nov 1998	Amoxicillin trihydrate	Rash on arm

When prescribing for a patient that has un-mapped medical warnings in Note Only format, the following message will be displayed to the user on entering the New Patient Medication screen.



Clicking OK will allow the user to continue with the prescription process.

This message is simply to alert the user that there are Note Only warnings that have not been mapped for the patient, and that the user should review these and re-enter appropriate warnings and inactivate the converted Note Only warnings.

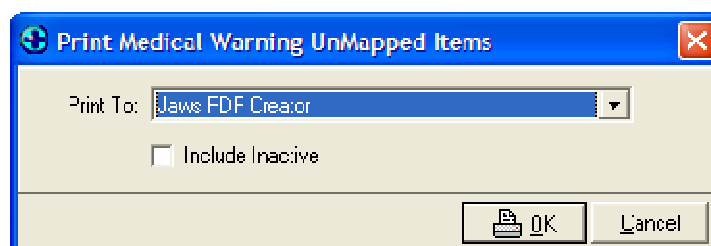
Once all Note Only warnings that were converted are inactivated this message will no longer be displayed.

Un-Mapped Medical Warnings Report

Utilities ► MIMS Prescribing Tools ► Medical Warnings Unmapped Items

A report has been provided for practices to run after upgrade which will identify every patient that has unmapped Medical Warnings.

This report can be run by selecting Utilities > MIMS Prescribing Tools > Medical Warnings Unmapped Items.



In the Print To field select the relevant printer to send the Report to.

When printed the report will identify for you the following information:

Unmapped Medical Warning Report

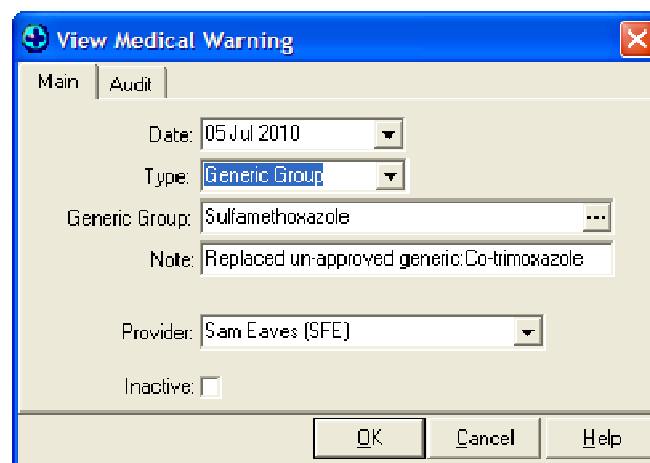
Name	Date	Provider	Note
DAVEY Marcus (130320)	4/11/1998 1:27:16 p.m.	SFE	Antihistamines sedating
	4/11/1998 1:28:59 p.m.	SFE	Oral antacids and activated charcoal-Vomiting
GREEN Alle (3057)	23/11/1998 5:23:05 p.m.	SFE	Penicillins-Rashes with Itch

This report can be provided to the relevant users to review and update the patient medical warnings that are un-mapped.

Un-Approved Generics

Any existing medical warning that has an unapproved generic code ie: Co-trimoxazole will now display with an **approved generic code** ie: Sulfamethoxazole, with a note field saying: **“Replaced un-approved generic:Co-trimoxazole”**.

Generic name	Approved Generic
Co-trimoxazole (Sulfamethoxazole/ Trimethoprim)	Sulfamethoxazole



View Medical Warning

Main | Audit

Date: 05 Jul 2010

Type: Generic Group

Generic Group: Sulfamethoxazole

Note: Replaced un-approved generic:Co-trimoxazole

Provider: Sam Eaves (SFE)

Inactive:

OK Cancel Help

No Known Allergies

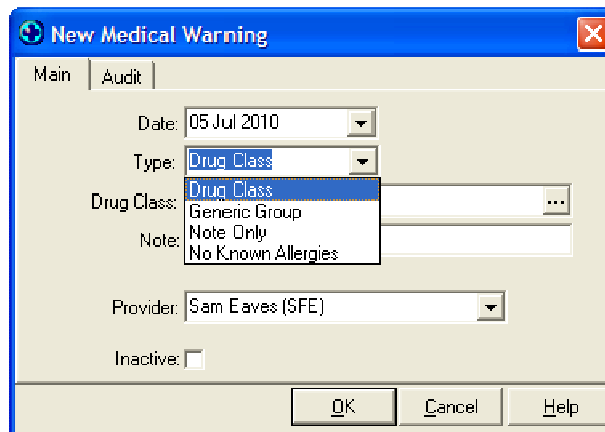
Currently within Medtech32, a provider has no standardised means of recording whether a patient has “**No Known Allergies**”.

No Known Allergies Medical Warning Type

A new “Medical Warning” type of **No Known Allergies** has been added.

This option will only be present in the Medical Warning Type drop-down list, if the patient has no ACTIVE “Medical Warning” types, other than **Notes (without RX Warning ticked)**.

If the **No Known Allergies** option is selected for a patient, the “Note” field will be updated with **NKA**.



New Medical Warning

Main | Audit

Date: 05 Jul 2010

Type: Drug Class

Drug Class: Drug Class
Generic Group
Note Only
No Known Allergies

Provider: Sam Eaves (SFE)

Inactive:

OK Cancel Help



Type: No Known Allergies

Note: (NKA)

Allergy Status Patient Palette Visual Indicator

In addition to the “Medical Warning” type of **No Known Allergies** – the patient palette will provide a visual indicator to the user as to currently selected patient’s allergy status.

The allergy status indicator will take the form of **A-<allergy status>** ie: **A-?**, which will be displayed after the Provider initials on the palette.

No Medical Warning Records

A **black** question mark **?** will be displayed on the patient palette when the patient has no Medical Warnings for Drug Class, Generic Group, Note Only with RX Warning Ticked, or No Known Allergies recorded.

Y3 - R	ELV1195	CO #CVR E - Not Funded 22.50	BETA A-?
19 Mar 2005 5 yrs Male	Chrissie Eth		RP

Medical Warning Records

A **red** exclamation mark **!** will be displayed on the patient palette when the patient has Medical Warnings for Drug Class, Generic Group, or Note Only with RX Warning Ticked recorded.

A1 - R+	ELV1195	V CO HV #CVR N - Funding Rejected 430.00	SFE A-!
07 Sep 1960 49 yrs Female	Asian not defined		RP

No Known Allergies Recorded

A **blue** tick **✓** will be displayed on the patient palette when the patient has a Medical Warning Type of No Known Allergies recorded.

Y3 - R	ELV1195	CO #CVR E - Not Funded 22.50	BETA A-✓
19 Mar 2005 5 yrs Male	Chrissie Eth		RP

Allergy Status Patient Manager Visual Indicator

The “Medical Warning” tab in the **Patient Manager** will be displayed in the corresponding colour based on the status of the patients Medical Warnings.

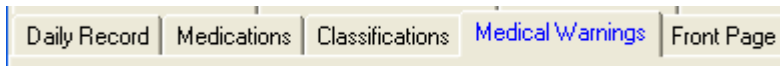
No Medical Warning Records

Daily Record	Medications	Classifications	Medical Warnings	Front Page
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Medical Warning Records

Daily Record	Medications	Classifications	Medical Warnings	Front Page
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No Known Allergies Recorded

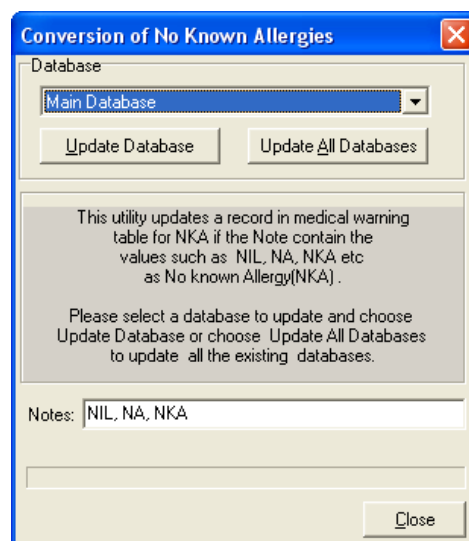


Conversion of No Known Allergies Utility

Utilities ► MIMS Prescribing Tools ► Conversion of No Known Allergies

A utility is provided for practices to convert their existing “**Note Only**” entries for **No Known Allergies** (NIL, NA, Nil, Unknown etc) in the **Patient Medical Warning** screen to the “Medical Warning” type of **No Known Allergies**.

This report can be run by selecting Utilities > MIMS Prescribing Tools > Conversion of No Know Allergies.

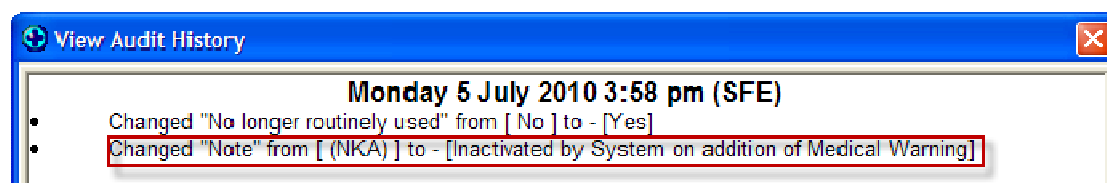


The practice will be able to enter multiple values in the “Notes” section and the utility will convert “Notes” with the specific text to **No Known Allergies** type, with a “Note” of NKA.

Removal of No Known Allergies Warning

Where a patient has a Medical Warning Type of No Known Allergies entered, and a Drug Class, Generic Group or Note Only Warning with RX Ticked is added to the Medical Warnings list for the patient, the No Known Allergies warning will automatically be inactivated.

Where this happens, the Audit Log for the No Known Allergies medical warning will become active and will show the following information:

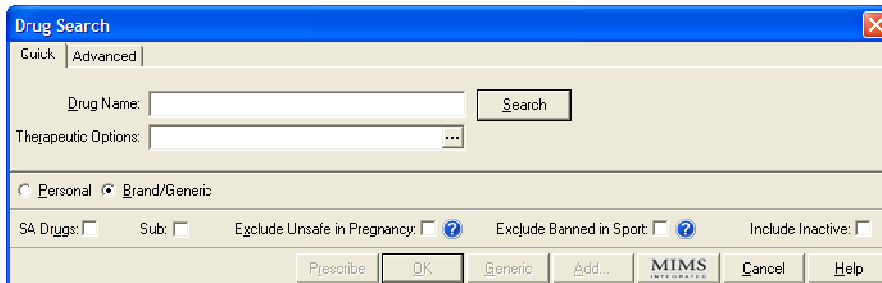


This will identify to the provider when the No Known Allergy warning was inactivated.

Drug Search

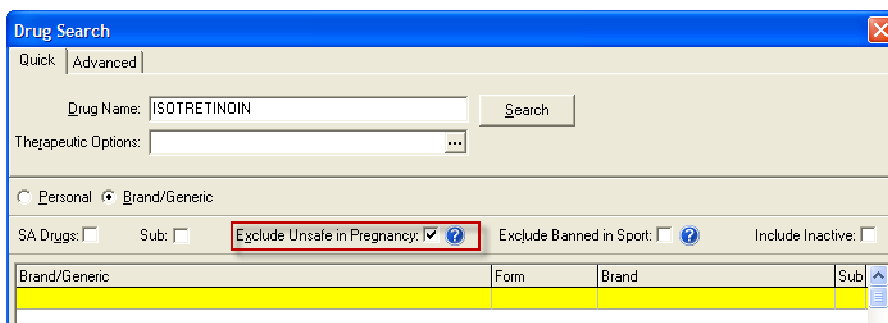
Module ► Clinical ► New Patient Medication (Drug Search)

The Drug Search screen has been enhanced to include additional search filters:

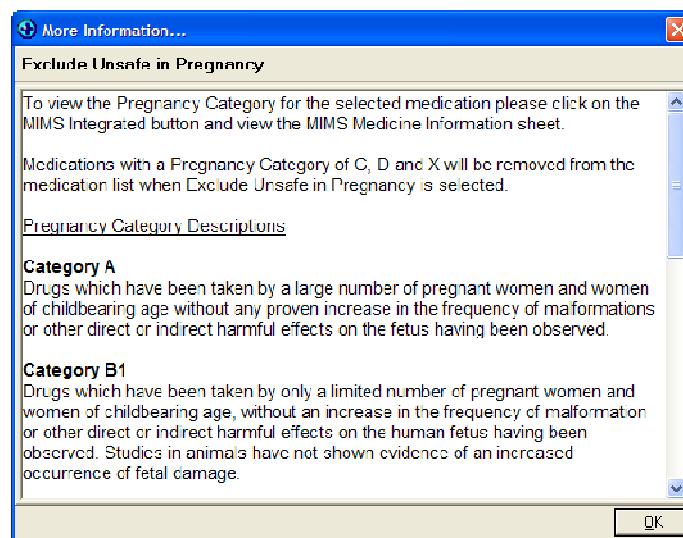


Exclude Unsafe in Pregnancy

When 'Exclude Unsafe in Pregnancy' is selected, the drugs that are deemed as unsafe in pregnancy will be excluded from the display in the Search screen.



Clicking on the icon next to the Exclude Unsafe in Pregnancy option will open the **More Information** screen. This screen will provide you with details on each of the Pregnancy Categories, and provide details on the rules for the exclusions.




Exclude Banned in Sport

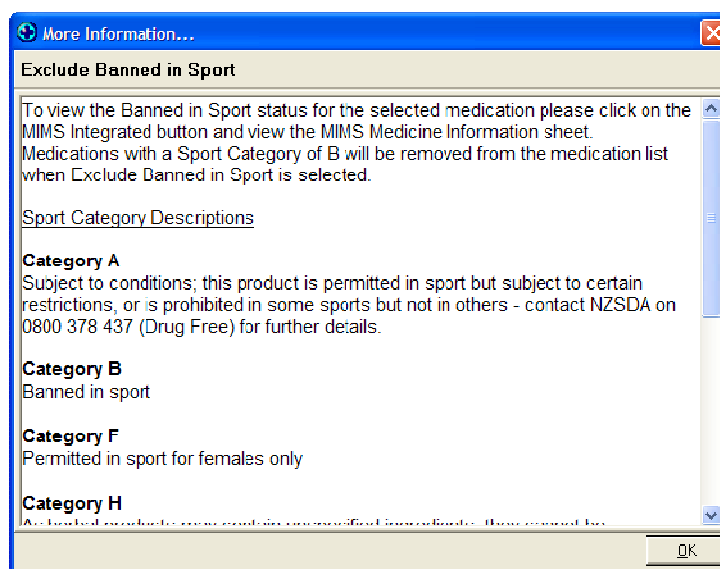
When 'Exclude Banned in Sport' is selected, the drugs that are deemed as banned in sport will be excluded from the display in the Search screen.



The screenshot shows the 'Drug Search' window with the following details:

- Search tabs: Quick, Advanced
- Drug Name: RITALIN
- Search button
- Therapeutic Options: [Dropdown]
- Radio buttons: Personal, Brand/Generic (selected)
- Checkboxes: SA Drugs, Sub, Exclude Unsafe in Pregnancy, **Exclude Banned in Sport** (checked), Include Inactive
- Table headers: Brand/Generic, Form, Brand, Sub

Clicking on the  icon next to the Exclude Banned in Sport option will open the **More Information** screen. This screen will provide you with details on each of the Sport Categories, and provide details on the rules for the exclusions.



The 'More Information...' dialog box displays the following content:

Exclude Banned in Sport

To view the Banned in Sport status for the selected medication please click on the MIMS Integrated button and view the MIMS Medicine Information sheet. Medications with a Sport Category of B will be removed from the medication list when Exclude Banned in Sport is selected.

Sport Category Descriptions

Category A
Subject to conditions; this product is permitted in sport but subject to certain restrictions, or is prohibited in some sports but not in others - contact NZSDA on 0800 378 437 (Drug Free) for further details.

Category B
Banned in sport

Category F
Permitted in sport for females only

Category H
As listed products, some products are specified in restricted. These are listed by

OK

Subsidised Drugs Only

When 'Sub' is selected, only drugs that have been flagged as Subsidised will be displayed in the Drug Search screen for selection.

The screenshot shows the 'Drug Search' window with the 'Quick' tab selected. The 'Drug Name' field contains 'PARA'. The 'Therapeutic Options' field is empty. The 'Sub' checkbox is checked. Below the search options is a table of search results:

Brand/Generic	Form	Brand	Sub
Paracare (Paracetamol)	Suppositories	PARACARE	\$
Paracare Double Strength (Paracetamol)	Suspension	PARACARE DOUBLE STRENGTH	\$
Paracare Junior (Paracetamol)	Suspension	PARACARE JUNIOR	\$
Paracetamol (Paracare)	Suppositories	PARACARE	\$
Paracetamol (Panadol)	Suppositories	PANADOL	\$
Paracetamol (Paracare Double Strength)	Suspension	PARACARE DOUBLE STRENGTH	\$

The Sub tick box will remember the user setting. Once ticked, it will remain ticked until the user selects to un-tick it. Once un-ticked, it will remain un-ticked until the user selects to tick it.

Additional Quick Search Options

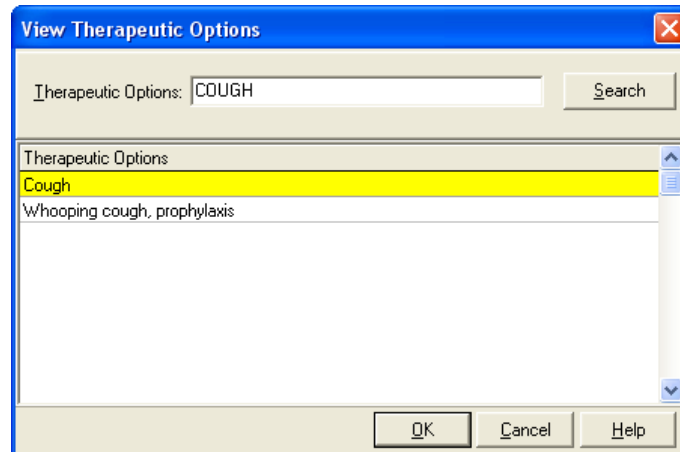
The following additions have been made to the Quick tab in the Drug Search screen:

Therapeutic Options

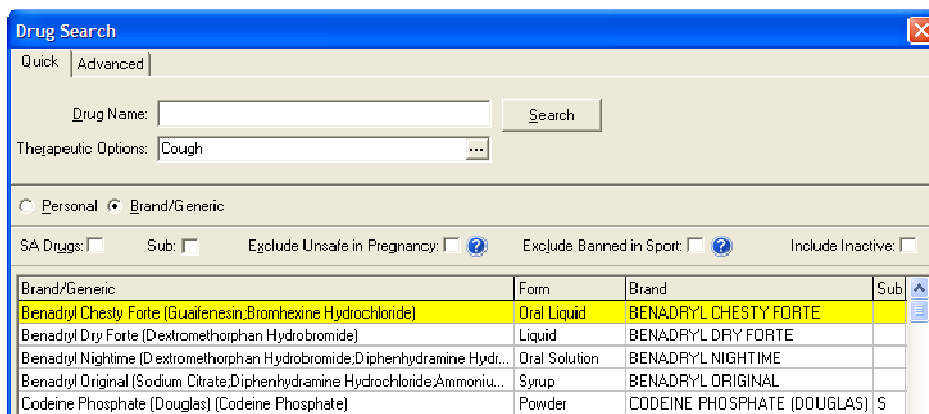
The **Quick** tab in the **Drug Search** screen has been modified to include the ability to search using "Therapeutic Options".

The screenshot shows the 'Drug Search' window with the 'Quick' tab selected. The 'Drug Name' field is empty. The 'Therapeutic Options' field contains the text 'rough'. The 'Sub' checkbox is unchecked. At the bottom of the window, there are buttons for 'Prescribe', 'OK', 'Generic', 'Add...', 'MIMS INTEGRATED', 'Cancel', and 'Help'.

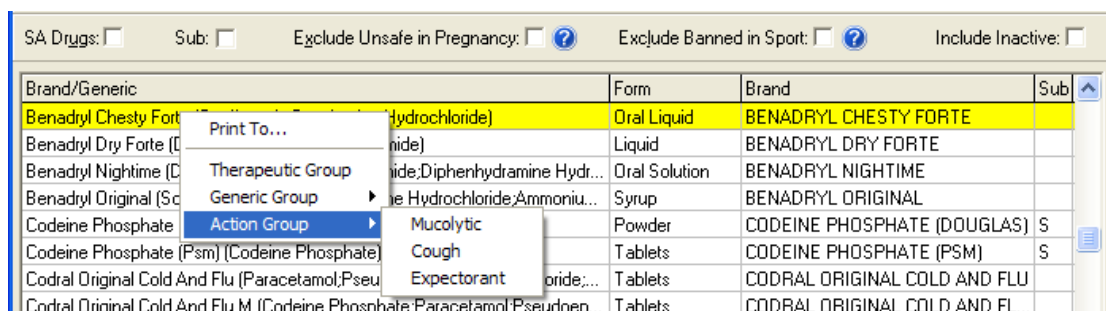
When the user enters text in the Therapeutic Options field and presses 'enter' or clicks on the ellipsis (...) - the **View Therapeutic Options** screen will display the results.



On selecting the relevant Therapeutic Option the Drug Search screen will display only drugs relevant to the selected Therapeutic Option.



The **Therapeutic Options** of a drug can also be accessed by **right clicking** on the drug and selecting the “Action Group” option.



Once the user chooses the **Action Group**, the search screen will be refreshed and the **selected action group** will be displayed in the “Therapeutic Options” field. The user can then select the **Search button** and any drugs with the selected **Action Group** will be displayed.

generic group: [dropdown] ...

Therapeutic Options: [Expectorant] ...

Personal Brand/Generic

SA Drugs: Sub: Exclude Unsafe in Pregnancy: ? Exclude Banned in Sport: ? Include Inactive:

Brand/Generic	Form	Brand	Sub
Aniseed (Psm) (Anise Oil)	Oil	ANISEED (PSM)	
Benadryl Chesty Forte (Guaifenesin-Bromhexine Hydrochloride)	Oral Liquid	BENADRYL CHESTY FORTE	

(Note: The Therapeutic Options functionality is also available in the Advanced tab of the Drug Search screen.)

Additional Advanced Search Options

The following additions have been made to the Advanced tab in the Drug Search screen:

Therapeutic Options

(Please refer to Therapeutic Options under the Additional Quick Search Options for information)

Generic Synonyms

When the user performs a search in the **Advanced tab** in the **drug search** window under the “Generic Group”, the search will now include any item containing a generic component that is a synonym for items that match the search criteria.

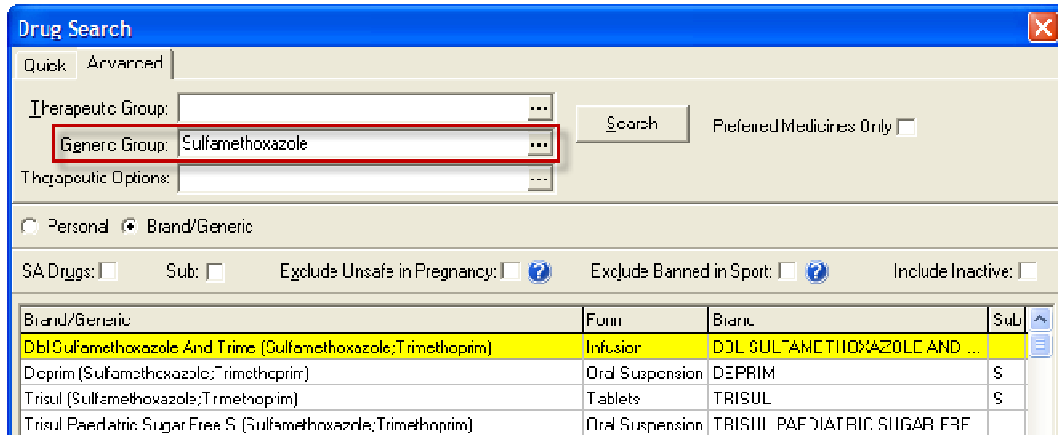
Example

Co-trimoxazole is a synonym for **Sulfamethoxazole/Trimethoprim**.

The approved generic is **Sulfamethoxazole** and this will be displayed when selected.

Generic name	Approved Generic
Co-trimoxazole (Sulfamethoxazole/ Trimethoprim)	Sulfamethoxazole

When the user selects the drug and clicks on the **Search** button all the drugs that match the “approved generic” will be displayed.



The screenshot shows a 'Drug Search' window with the following elements:

- Buttons: Quick, Advanced
- Therapeutic Group: [Empty]
- Generic Group: Sulfamethoxazole (highlighted with a red box)
- Therapeutic Options: [Empty]
- Search button
- Preferred Medicines Only:
- Radio buttons: Personal, Brand/Generic (selected)
- Checkboxes: SA Drugs, Sub, Exclude Unsafe in Pregnancy, Exclude Banned in Sport, Include Inactive

The search results table is as follows:

Brand/Generic	Form	Brand	Sub
DBI Sulfamethoxazole And Trime (Sulfamethoxazole; Trimethoprim)	Infusion	DOL SULFAMETHOXAZOLE AND ...	S
Deprim (Sulfamethoxazole; Trimethoprim)	Oral Suspension	DEPRIM	S
Trisul (Sulfamethoxazole; Trimethoprim)	Tablets	TRISUL	S
Trisul Paediatric Sugar Free S (Sulfamethoxazole; Trimethoprim)	Oral Suspension	TRISUL PAEDIATRIC SUGAR FREE	S

New Patient Medication

Module ► Clinical ► New Patient Medication

Administer Field

A new field '**Administer**' has been added to the **Patient Medications** screen.

When selecting a medication the Administer field will automatically display one of four options: "Systemic", "Topical", "Oral" or "Inhalation" based on the MIMS data provided for the selected medication.

The user will be able to manually alter the value selected in the "Administer" field and the **interaction warnings** will vary based on the Route of Administration selected.

The screenshot shows the 'New Patient Medication' window with the following fields and options:

- Drug:** [Text field]
- Dosage:** [Text field]
- Freq:** [Dropdown menu]
- Period:** [Text field]
- Mite:** [Text field]
- Amount:** [Text field]
- Directions:** [Text area]
- Repeats:** [Text field, value: 0]
- Options...** [Button]
- Administer:** [Dropdown menu, open, showing: Systemic, Topical, Oral, Inhalation]
- Provider:** [Text field]
- Classification:** [Text field]
- Previous Drug:** [Text field]
- Close Control:**
- Long Term:**
- Confidential:**
- Generic Substitution:**
- Advertisement:** MIMS MEDICINES DATABASE, St John lifelink, For elderly patients who want to keep their independence. Click for more information.
- Buttons:** Add to Personal, OK, Another, Cancel, MIMS, Help

Granular Prescribing

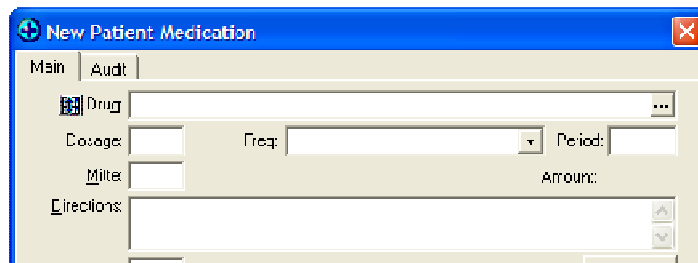
A new **check box** has been added to the “Options” section of the **Provider Messages tab** in the “Staff Setup” called **“Enable Granular Prescribing Directions.”**

This option will be ticked by default for all providers on upgrade to Version 19.0 to ensure consistency between the current and new versions of the prescribing screen.

(See the Setup section of the Release Notes for further details on the Granular Prescribing setup option)

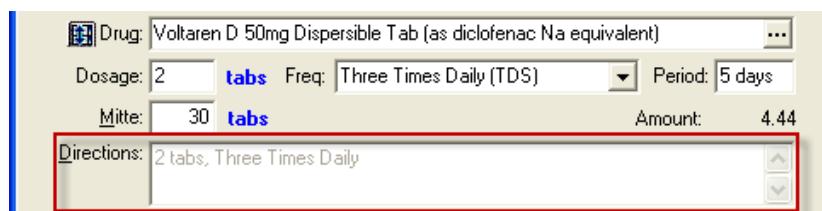
Prescribing with Enable Granular Prescribing Activated


With Enable Granular Prescribing Directions **ticked** the New Patient Medication screen will be presented to the user as per the below:

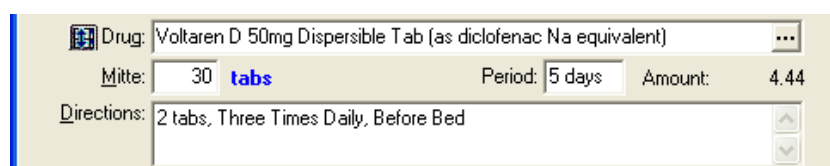


The Granular Prescribing Direction screen will provide the same functionality that providers have now where the Dosage and Frequency selected in the Granular fields will complete the Directions automatically for the user.


However, to avoid there being a mis-match between the granular fields and the directions field which can occur if the users updates the directions but not the granular fields, the Directions when entered in Granular Prescribing mode are disabled and cannot be edited.

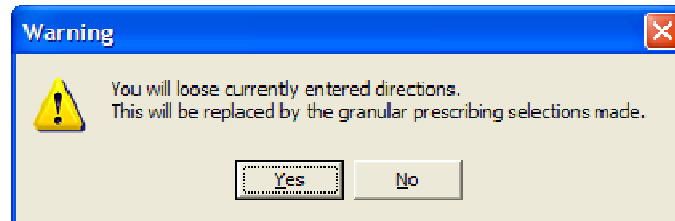


To update the directions field when in Granular Prescribing mode, you are required to either use the Granular fields provided which will automatically update the Directions as they are being altered, or, by clicking on the  button next to the Drug field, the prescription screen will be placed into Non Granular mode, and you are able to add any free text required to the directions without the use of the Granular fields.

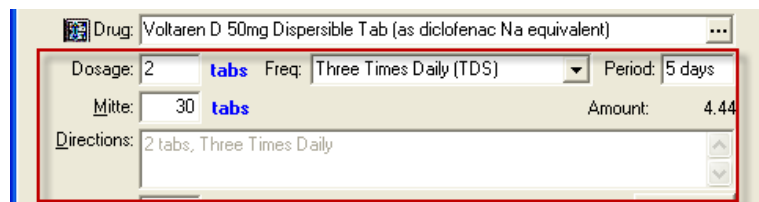


When changing to Non Granular Prescribing mode the Mitte and Period field values will be retained.

You can choose to change from the Non Granular Prescribing mode back to the Granular Prescribing mode by clicking on the  button next to the drug name field again, however on doing so you will be prompted with the following message:



This is to alert the user that by changing back to the Granular Prescribing mode, the Granular fields that were present will be reverted to and the additional text added to the directions will be removed again.

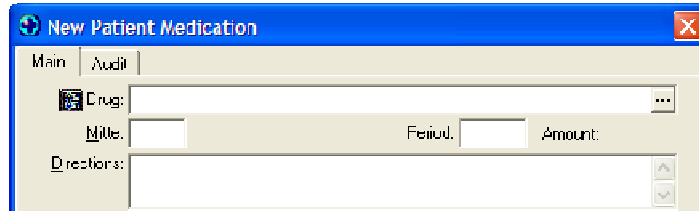


A prescription that is saved in Granular Prescribing mode will open in the View Patient Medication screen in Granular Prescribing mode.

Note: All prescriptions currently in the Medtech32 database on upgrade to Version 19.0 will be flagged as Granular Prescribing mode to ensure that consistency between historic and new data is retained.

Prescribing with Enable Granular Prescribing NOT Activated

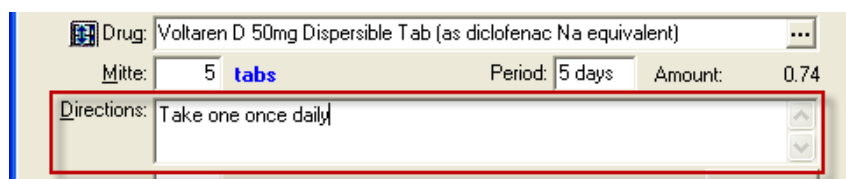
With Enable Granular Prescribing Directions **un-ticked** the New Patient Medication screen will be presented to the user as per the below:



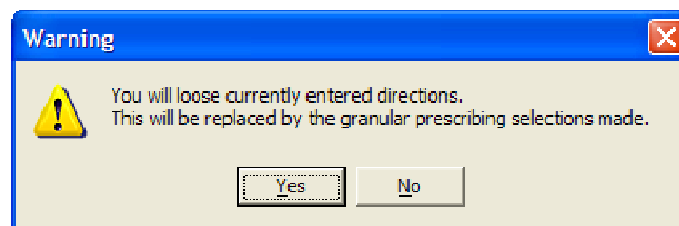
The Non Granular Prescribing Direction screen will provide a layout for the user that has just the Mitte and Period fields available and allows the user to have total control over the directions which are free format text.

Note: Users are able to use Clinical Keywords in this area to speed up data entry.

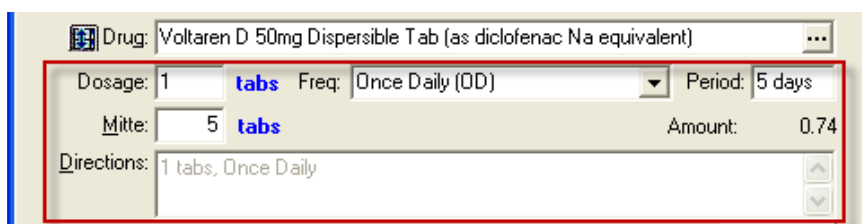
Any directions when entered in Non Granular Prescribing mode are able to be changed as necessary without causing a mis-match between the Dosage and Frequency fields as they do not exist in this mode.




By clicking on the button next to the Drug field, the prescription screen will be placed into Granular Prescribing mode. In doing this the following message will be displayed:



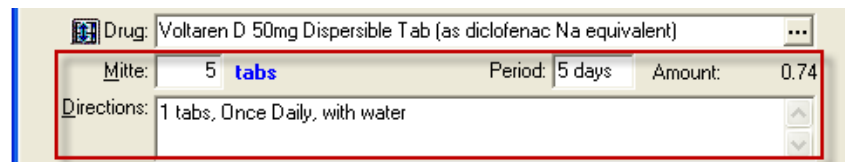
Once in the Granular Prescribing mode you will be able to use the Granular Fields to complete your script directions.



When changing to Granular Prescribing mode the Mitte and Period field values will be retained.

You can choose to change from the Granular Prescribing mode back to the Non Granular Prescribing mode by clicking on the  button next to the drug name field again.

When changing back to the Non Granular Prescribing mode, the Mitte, Period and Directions fields will be reverted to and you will be able to add any additional text.

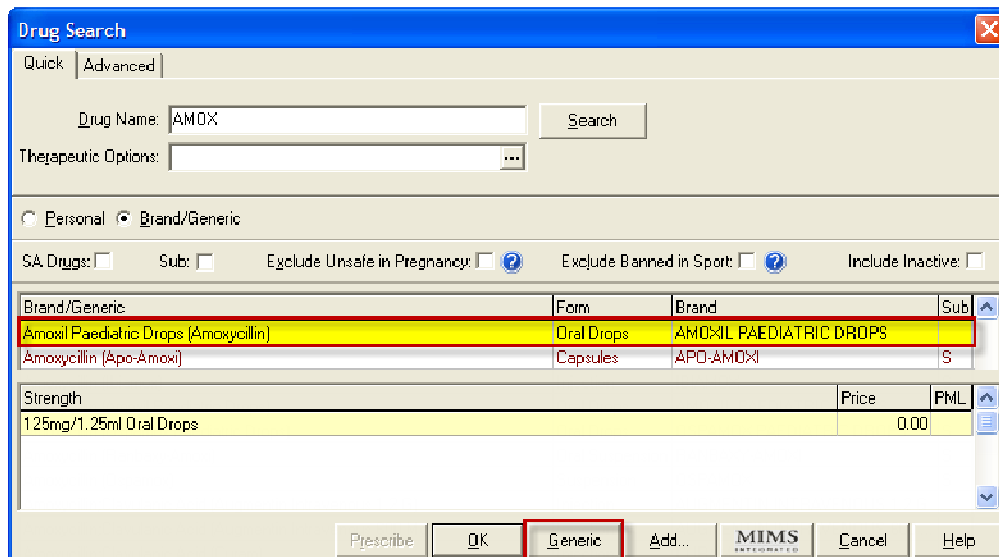


A prescription that is saved in Non Granular Prescribing mode will open in the View Patient Medication screen in Non Granular Prescribing mode.

Prescribing Generic or Brand

Generic Components

For any drug selected which has less than or equal to two Generic components, the **Generic** button in the **Drug Search** screen will be active.



The **Generic** components for the selected drug will be displayed when the user **right clicks** on the selected medication and **selects the Generic Group**.

Brand/Generic	Form	Brand	Sub
Amoxil Paediatric Drops (Amoxycillin)	Oral Drops	AMOXIL PAEDIATRIC DROPS	
Amoxicillin (Apo-Amoxil)	Capsules	AP0-AMOXI	S
Amoxicillin (Ibiamox)	Injection	IBIAMOX	S
Amoxicillin (Amoxil Paediatr)	Oral Drops	AMOXIL PAEDIATRIC DROPS	
Amoxicillin (Ospamox Paed)	Oral Drops	OSPAMOX PAEDIATRIC DROPS	S
Amoxicillin (Ranbaxy-Amox)	Oral Suspension	RANBAXY-AMOXI	S
Amoxicillin (Ospamox)	Suspension	OSPAMOX	S
Amoxicillin;Clavulanic Acid (Augmentin Intravenous 1.2 G)	Injection	AUGMENTIN INTRAVENOUS 1.2 G	
Amoxicillin;Clavulanic Acid (Augmentin Intravenous 600 Mg)	Injection	AUGMENTIN INTRAVENOUS 600 ...	
Amoxicillin;Clavulanic Acid (Curam)	Injection	CURAM	
Amoxicillin;Clavulanic Acid (Curam)	Oral Suspension	CURAM	S

The user can select a **Generic Component** from the Generic Group list which will automatically refresh the Drug Search screen and display the **Advanced Tab** with the selected **Generic Component**.

The screenshot shows the 'Drug Search' window with the 'Advanced' tab selected. The 'Generic Group' dropdown menu is open, showing 'Amoxicillin' as the selected option. The search results table below shows 'Alpha-Amoxycylav (Amoxycillin;Clavulanic Acid)' as the selected drug.

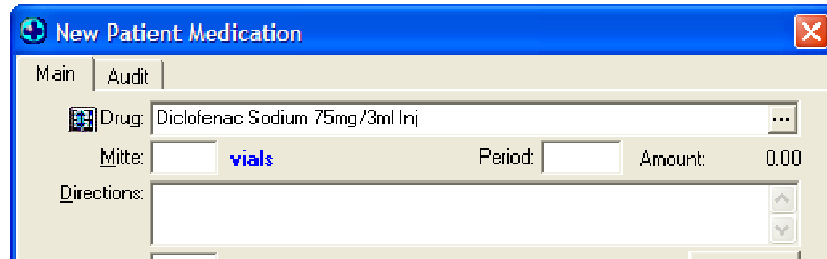
Any drugs with the selected **Generic Component** will be displayed to the user for selection.

Prescribing Generic

When the user searches for and selects a drug, if the drug selected is displayed by Brand the Generic button will be activated in the Drug Search screen.

The screenshot shows the 'Drug Search' window with the 'Drug Name' field containing 'VOLTA' and the search results table displaying 'Voltaren (Diclofenac Sodium)' as the selected drug. The 'Generic' button in the bottom toolbar is highlighted with a red box.

If the user selects the **Generic** button instead of “OK”, the generic components will be displayed in the **New/View Patient Medication** screen with the strength displayed after each generic name rather than the Brand Name.



The Generic Components will also be printed on the prescription rather than the Brand Name.

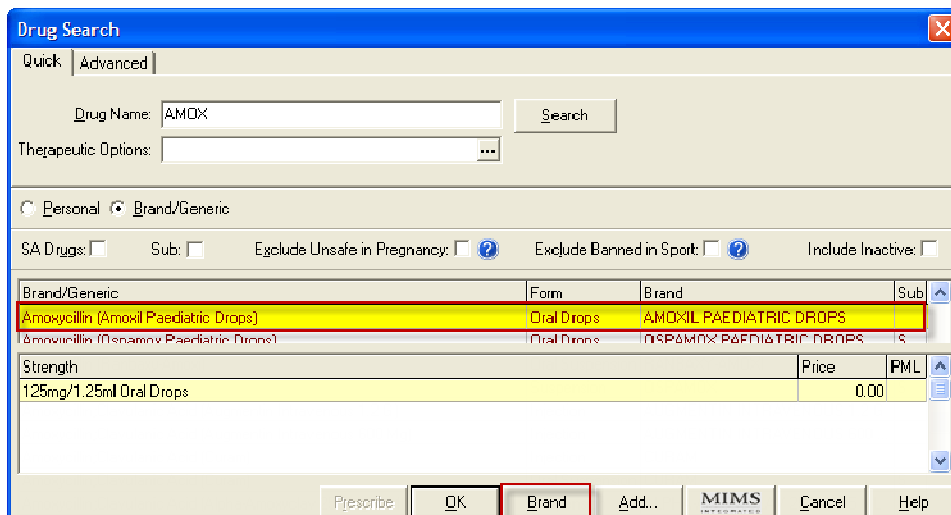
Rx **HFA** **6 Jul 2010**
Dispense stat list medicines once only unless endorsed close control

Diclofenac Sodium 75mg/3ml Inj

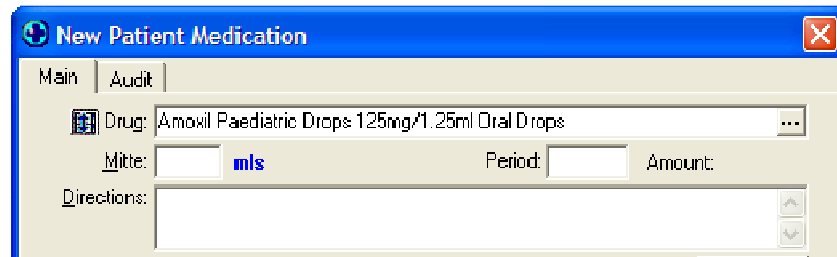
Sig: Take one vial
 Mitte: 5 vials

Prescribing Brand

When the user searches for and selects a drug, if the drug selected is displayed by Generic the Brand button will be activated in the Drug Search screen.



If the user selects the **Brand** button instead of “OK”, the Brand Name will be displayed in the **New/View Patient Medication** screen rather than the Generic Component.



The Brand Name will also be printed on the prescription rather than the Generic Components.

Rx **HFA** **6 Jul 2010**
Dispense stat list medicines once only unless endorsed close control

Amoxil Paediatric Drops 125mg/1.25ml Oral Drops

Sig: Take one twice daily
 Mitte: 5 mls

Prescribing Old Medications

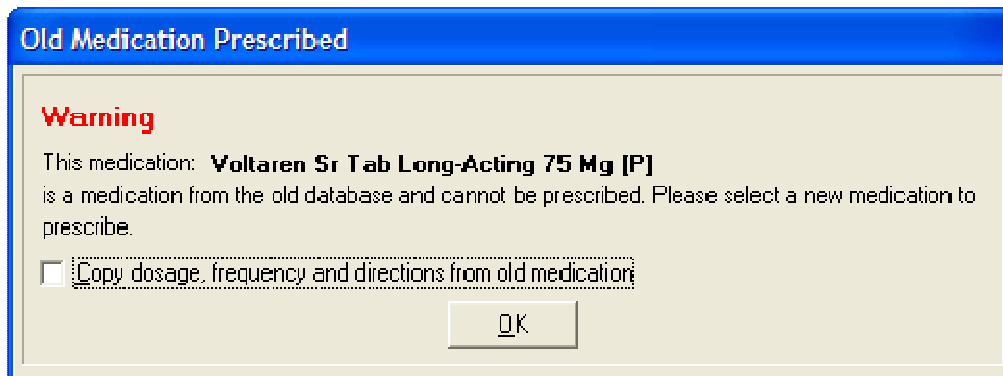
Patient Medications List

Medications that have been prescribed to a patient that are in the Providers/Practices Personal Medication List or Drug Database and are old MIMS/Pharmac Drugs will be displayed in Italics in the Patient Medications List.

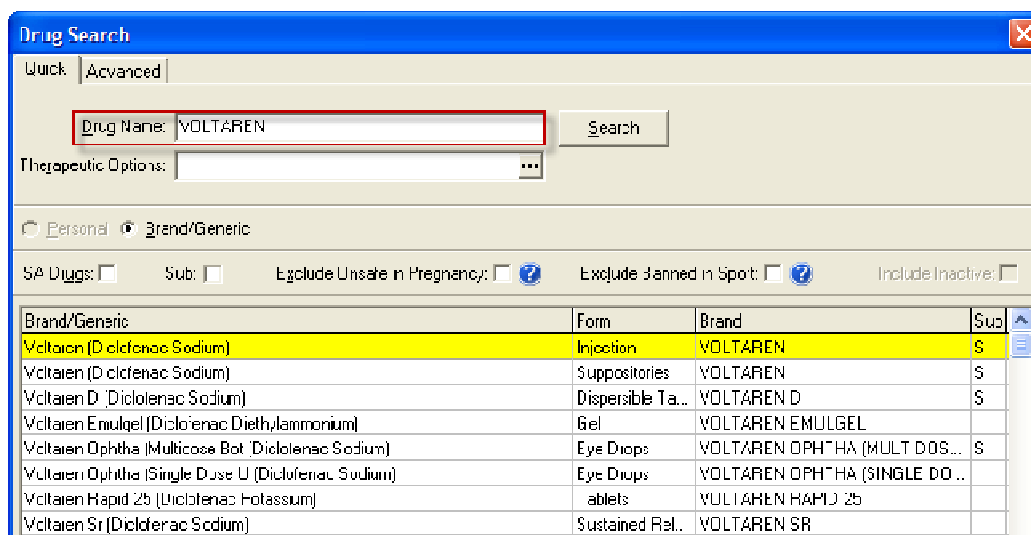
Rep	Date	Drug Name	Qty
<input type="checkbox"/>	19 Apr 2006	Morphine Sulfate 60mg/30ml Inj	0
<input type="checkbox"/>	<i>19 Apr 2006</i>	<i>Selectol Tab 200 Mg [P]</i>	<i>30</i>
<input type="checkbox"/>	<i>19 Apr 2006</i>	<i>Prempak-C[™] 0.625Mg Tab (40)</i>	<i>30</i>
<input type="checkbox"/>	<i>24 Nov 1998</i>	<i>Voltaren Sr Tab Long-Acting 75 Mg [P]</i>	<i>30</i>
<input type="checkbox"/>	<i>16 Jul 1998</i>	<i>Augmentin Tab 500 Mg With Potassium Clay</i>	<i>42</i>
<input type="checkbox"/>	16 Jul 1998	Green Script WALK	60

Repeating Old Medications

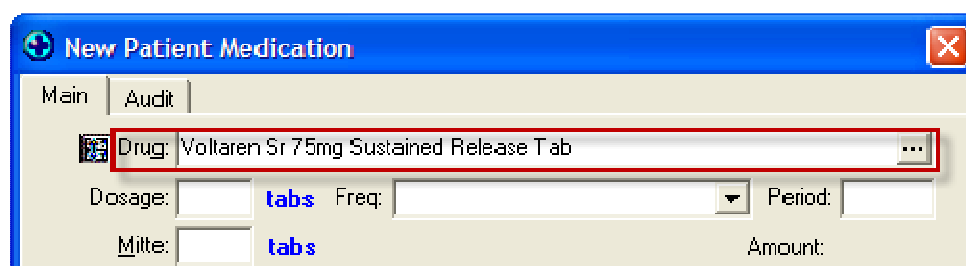
When a medication is selected to be repeated for a patient that has been identified as an old medication (shown in *Italics* in the Patient Medication Screen) an “**Old Medication Prescribed**” warning message will be displayed as below:



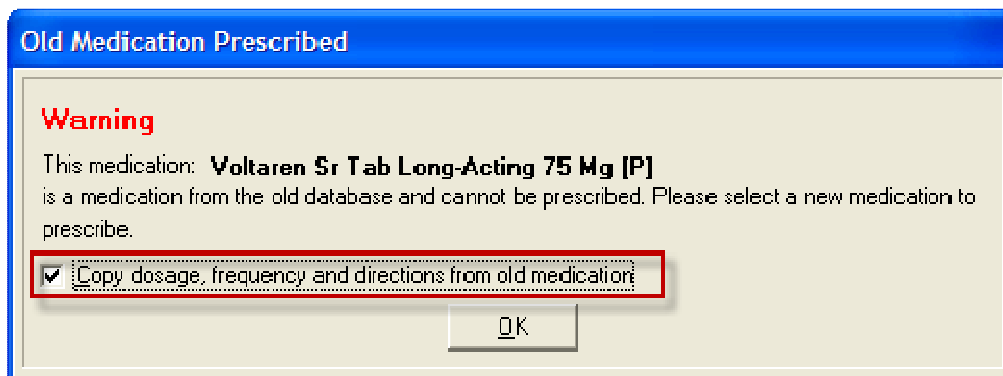
When **OK** is selected, the **Drug Search** window is displayed with the name of the old drug in the **Drug Name** field, with a list of alternatives to the old medicine.



When the user selects an alternative drug and clicks the **OK** or **Generic/Brand** button, the **New Patient Medication** screen will be displayed with the selected medication.

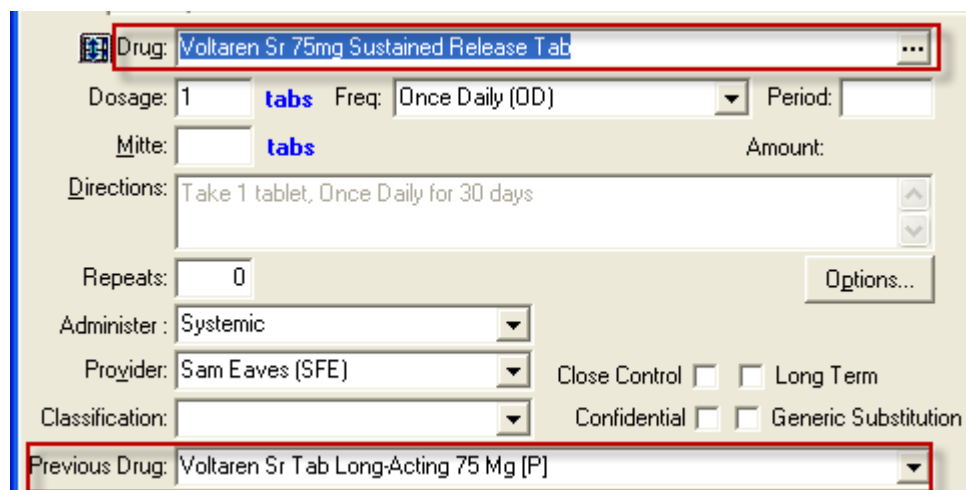


The fields **Dosage**, **Frequency**, and **Directions** will be automatically completed in the New Prescription, if the **Copy dosage, frequency and directions from old medication** tick box was ticked on the Old Medication Prescribed warning screen.



The fields **Dosage**, **Frequency**, and **Directions** will be blank in the New Prescription, if the **Copy dosage, frequency and directions from old medication** tick box was un-ticked on the Old Medication Prescribed warning screen.

In the New Patient Medication screen the old medication name will also be recorded in the **Previous Drug** field to link the new medication to the old medication.



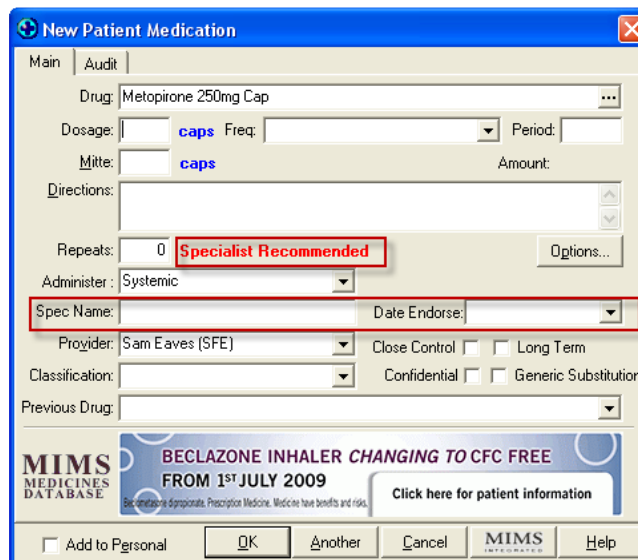
Note: If multiple old medications are selected to repeat for the patient, the above procedure will be repeated for each medication selected.

Note: If the old medication was marked as Long Term, on repeating, the new medication selected will be given Long Term status, and the Long Term status will be removed from the old medication.

Specialist Recommended Drugs

Any drug that is a specialist recommended drug, will display **Specialist Recommended** in red next to the “Repeats” field.

For **Specialist Recommended Drugs**, two new fields: “**Specialist Name**” and “**Date Endorse**” - will be displayed in the **New Patient Medication** screen.



When the prescription is printed for this medication, the details entered into the Specialist Name and Date Endorse fields will be printed onto the prescription.

Metopirone 250mg Cap

Sig: dfbsdfvsdfv

Mitte: 2 caps

Recommended By:	Dr Specialist
Date Endorsed:	5 Jul 2010

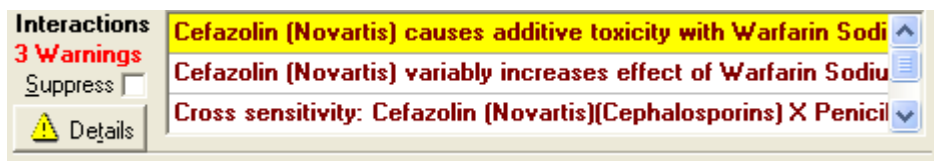
Drug Interactions and Warnings

Drug Interactions

New Interaction Checking Values

Interactions for drugs will now also be display based on the new data fields relating to **Route of Administration, Severity, Level of Documentation and Cross Sensitivity**.

Cross Sensitivity checking will allow drugs of different generics, which have similar allergenic properties, to be grouped into “**Substance Classes**” to create “allergy cross-sensitivity relationships”.



Same Medication Interactions

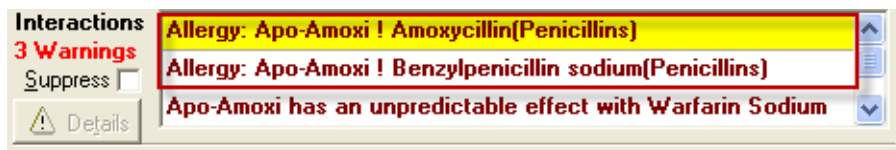
Previously **interaction checking** has shown that some drugs when prescribed will show an interaction with itself. Within the new functionality interactions, where the drug is the same medication, will be removed from interaction checking.

Display of Interaction Warnings

Interaction Warning Text

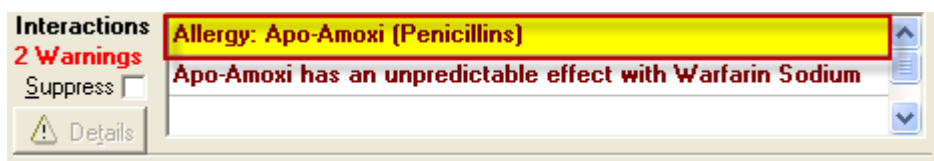
The format of the Interaction Warning Text in some circumstances has been altered:

Generic Group Allergy warnings will now be displayed as per the below:



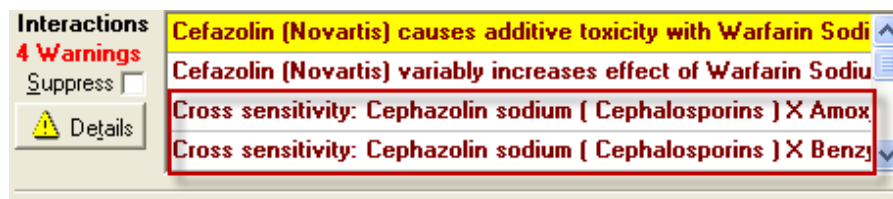
<drug name> ! <allergen name> (<substance class name>)

Drug Class Allergy warnings will now be displayed as per the below:



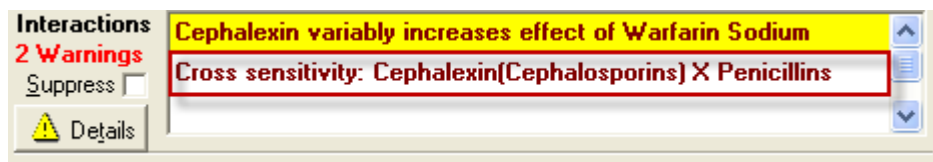
<drug> (<substance class name>)

Cross Sensitivity warnings for Generic Groups will now be displayed as per the below:



<generic name> (<substance class name>) X <allergen name> (<substance class name>)

Cross Sensitivity warnings for Drug Classes will now be displayed as per the below:



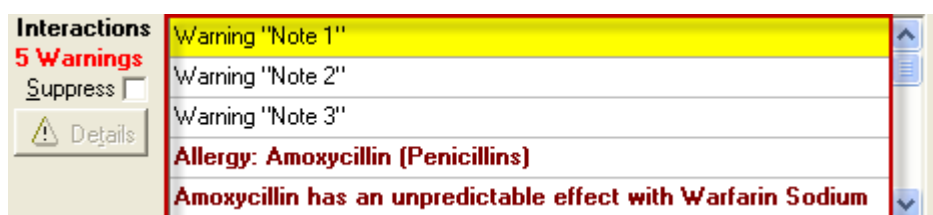
<drug> (<substance class name>) X <substance class name>

Number of Interaction Warnings

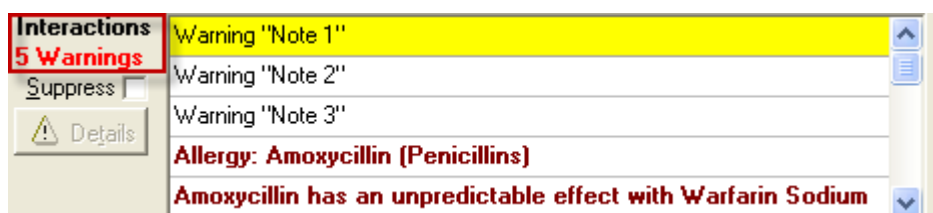
The Interaction Warning section of the New/View Patient Medication screen will now provide users with the ability to see up to 8 Interaction Warnings at a time without scrolling the list.

The Interaction Warning section will now show by default three lines or less, and once the list of interaction warnings is greater than three the screen section will dynamically expand.

Once the list shows 8 interaction warnings, the user will be required to scroll to see the remainder of the warnings.

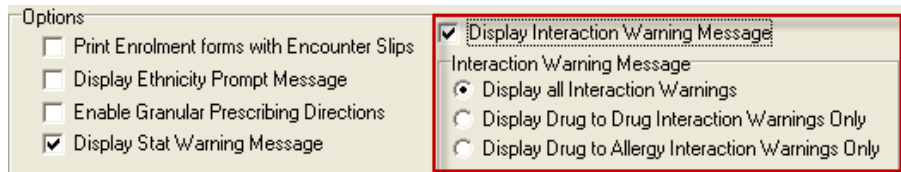


The Interaction Warning section of the screen will also identify to the user how many interactions there are for a patient that need to be reviewed.



Interactions and Warnings Confirmation

A new **check box** has been added to the “Options” section of the **Provider Messages tab** in the “Staff Setup” called “**Display Interaction Warning Message**”.



(See the Setup section of the Release Notes for further details on the Display Interaction Warning Message setup option)

The Display Interaction Warning Message option will be enabled by default for all providers on upgrade to Version 19.0 with the Display all Interaction Warnings option selected.

Three Interaction Warning Message options are available for selection, with the Display all Interaction Warning messages defaulted to selected.

Display all Interaction Warnings

- This option will show all Interaction Warning Messages including Drug to Drug, Drug to Allergy, Cross Sensitivity, and Note Only with RX Warning ticked.

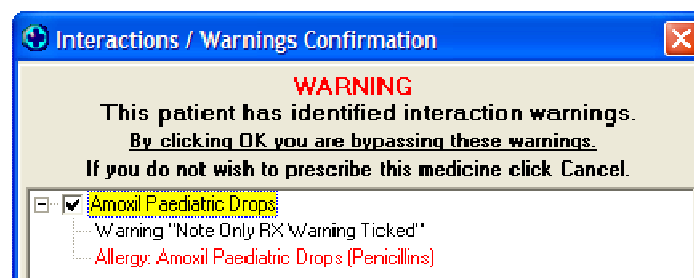
Display Drug to Drug Interaction Warnings Only

- This option will show only Drug to Drug, and Note Only with RX Warning ticked Interaction Warning Messages.

Display Drug to Allergy Interaction Warnings Only

- This option will show only Drug to Allergy, Cross Sensitivity and Note Only with RX Warning ticked Interaction Warning Messages.

When selected, these options will provide the user with an additional Interaction Warning message screen when continuing to prescribe a medication for a patient that has active Interaction Warnings.



The New Patient Medication screen will still show ALL interaction warning messages for a patient when prescribing, however when the provider clicks on OK to continue prescribing a medication for which the patient has active warnings, the Interaction / Warning Confirmation message will be displayed.

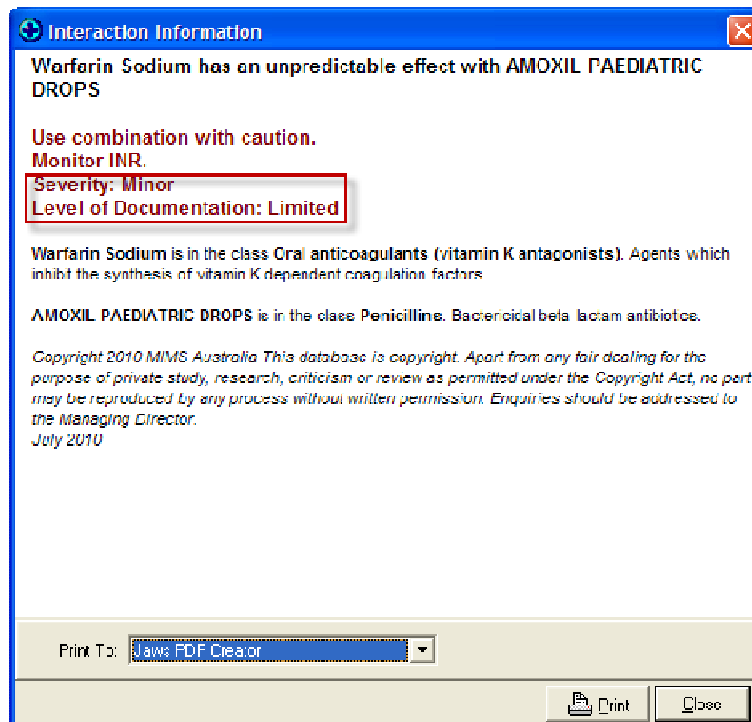
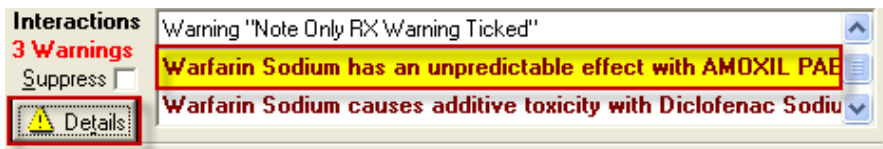
The display in the Interactions / Warning Confirmation screen will be based on which of the three display options have been selected.

The Interactions / Warning Confirmation screen can be disabled and not prompted to the user by removing the tick from the Display Interaction Warning Message in the Staff Setup screen for a user.

Interaction Information Sheet

The Interaction information sheet has been updated to include **Severity** and **Level of Documentation** information.

The Interaction Information sheets are accessible when the user double clicks an **interaction** or clicks the **Details** button of the highlighted interaction.



Other Prescribing Enhancements

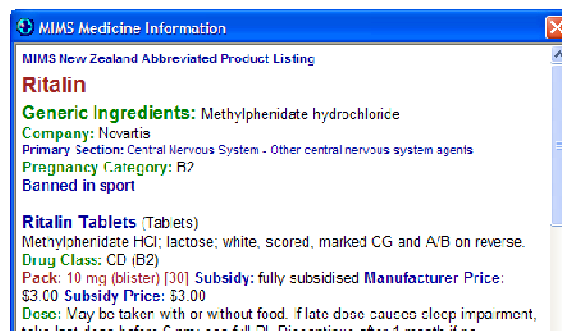
MIMS Button

The MIMS button has been modified to display the new MIMS integrated Logo



MIMS Medicine Information - Abbreviated Product Listing

The MIMS abbreviated product listing information sheets have been updated to include more comprehensive prescribing information, as well as being displayed in a new format.



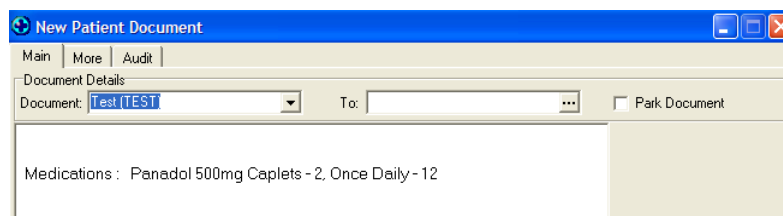
Outbox

Setup ► In /Outbox ► Outbox Document

All functions that pull medication data into documents from the Medtech32 database, such as *Merge Fields* and *Wizard Options* have been updated to display the information in one standard format - which is now the **Directions** field (as displayed on prescriptions).

This will ensure that any data being transferred out of Medtech32 with regard to medications will contain the same information.

The following merge fields [FRN_LONGTERM_DSFAQ] and [FRN_LONGTERM_RX] have been modified to contain data from the **Directions (Sigs) Field** which are displayed on "Prescriptions".



If you have any questions regarding the information contained in these Release Notes please contact:

Medtech Helpdesk on **0800 2 MEDTECH (633 832) - Option 1**