



Prescription Q+

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18 Thanet St
Melbourne
Victoria 3000

Prescriber no. 0P94007

Patient's Medicare no. 7159 4156 0W 8

Pharmaceutical benefits entitlement no.

Safety Net entitlement cardholder Concessional or dependant RPBS beneficiary or Safety Net concession cardholder

Patient's name Address Batel Rosenbaum
20 Marloo St Melbourne
Victoria 3000 61435716199

Date PBS RPBS Brand substitution not permitted

EUTROXSIG 100MCG TAB
1 daily

QTY:200 RPT:0

Doctor to sign original and duplicate Turn over for privacy note

27 02 2012 *U Gaber*



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What is MyDispense?

MyDispense is a simulated learning and teaching environment that is designed to help students develop their skills and competency in dispensing medicinal products systematically, safely and accurately at a level of detail and difficulty corresponding to their knowledge and experience. It simulates the decision-making environment within which dispensing occurs, without reminders and prompts and with the opportunity for students to learn by making mistakes in a safe and secure learning environment. For an instructor, MyDispense is a framework allowing you to create a broad range of exercises and assessments from the simplest to the most demanding. The administrative interface is simple to use while giving you the control and flexibility to create challenging scenarios that best support your curriculum.

Who is this guide for?

This guide is a comprehensive guide on how to create validation exercises in My Dispense. This guide assumes that the reader has previous experience in creating Exercises in MyDispense. Validation Exercises are available in MyDispense version 5+.

How should I use this guide?

You can either read the whole thing from beginning to end (but who does that with user guides?) or you can skim over the introductory sections to get a feel for how Validation exercises work, and then delve into the detail when you need it.

This guide has been designed to support the latter option.

You will find sections, titled in **orange**, which deal with specific and common tasks in MyDispense; hopefully these sections will get you where you need to be. If you need more detail, there will always be a more in depth description available.

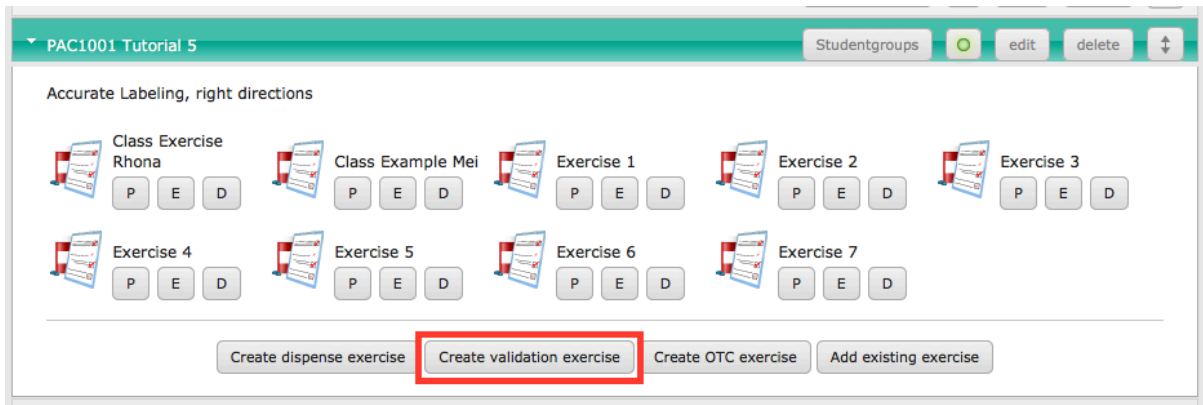
Validation exercises explained

A validation exercise is a new type of exercise introduced in MyDispense version 5 and is based on the scenario of checking another pharmacist's work. Students are presented with a number of Rx's to go through and will decide if there is a problem with the Rx or if it is correct.

Validation exercise designer

Create a new validation exercise

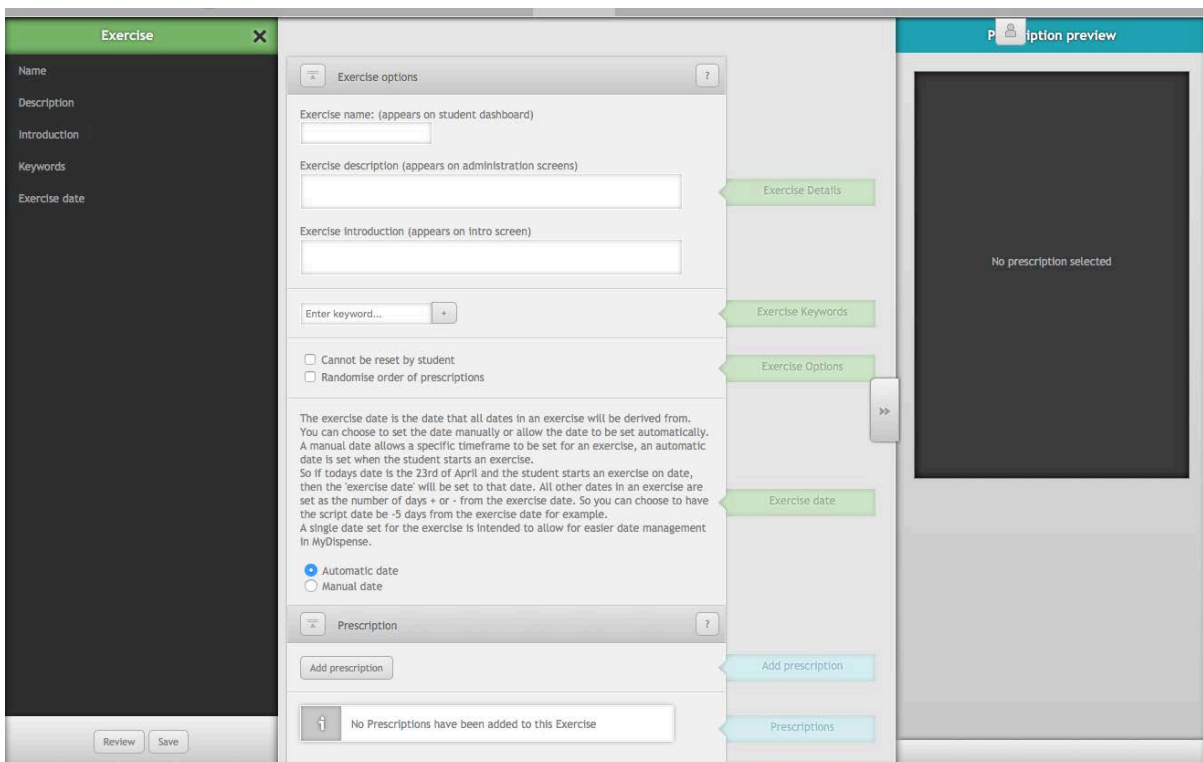
Creating a validation exercise is similar to creating a Dispense exercise in MyDispense. From the unit tutorial screen, click on the Create validation exercise button at the bottom of the tutorial list.



This opens the validation exercise designer.

Validation exercise designer overview

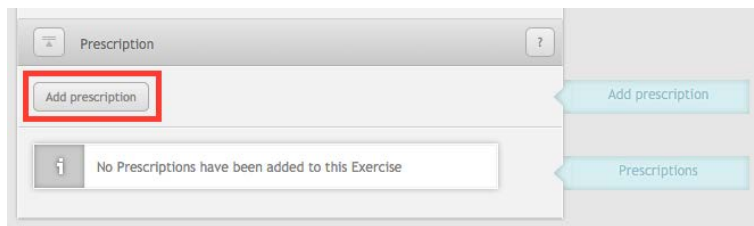
The validation exercise designer is very similar to the dispense exercise designer. The left side of the screen has the review panel, the centre of the screen is where the exercise is edited and the right side of the screen has the prescription preview panel.



Validation exercises have the same basic exercise details as Dispense exercises. Requiring that a name, introduction, description and date be set.

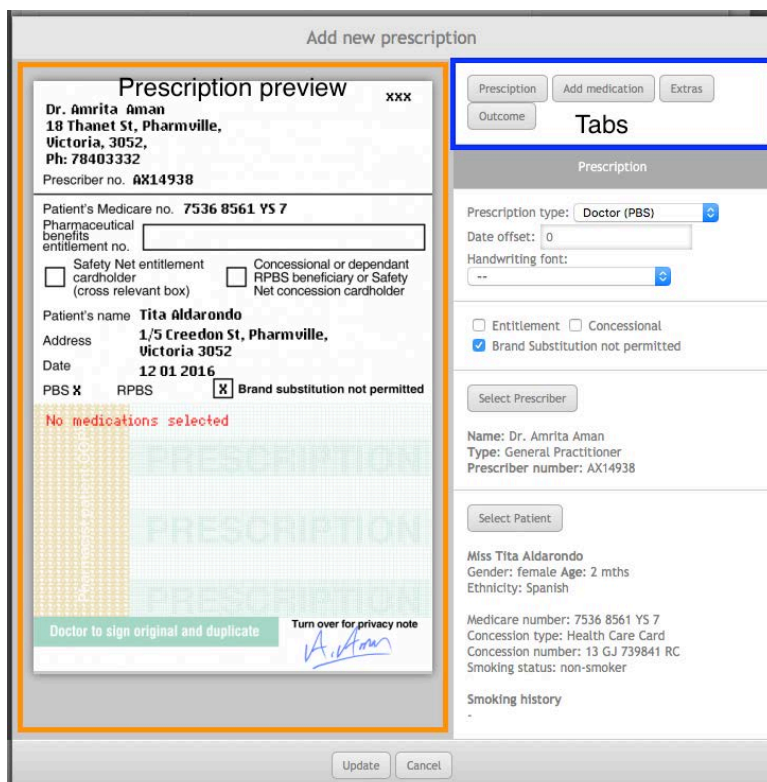
Creating a prescription

Prescriptions are at the heart of the validation exercise type. To add a new prescription, click the add prescription button in the prescription section, which opens the prescription pane.



The prescription pane is divided into tabs, which are used to manage different aspects of the prescription. While a tab is open, the button to display it does not appear. The tabs are:

- Prescription – Base prescription information. The prescription tab is open by default
- Medication tabs – A tab is displayed for each medication that has been added to the prescription.
- Add medication tab – Used to select a new medication to add to the script, which then opens the tab for that new medication
- Extras – Contains supplementary data such as patient notes and dispensing records
- Outcome – Used to select the outcome of the script, whether the script is correct or if there is a problem with the script.

A screenshot of the 'Add new prescription' window. The window is divided into two main sections. The left section, titled 'Prescription preview', contains patient and prescriber information: Dr. Amrita Aman (18 Thanet St, Pharmville, Victoria, 3052, Ph: 78403332, Prescriber no. AX14938), Patient's Medicare no. 7536 8561 YS 7, and Patient's name Tita Aldarondo (1/5 Creedon St, Pharmville, Victoria 3052, Date 12 01 2016). It also includes checkboxes for 'Safety Net entitlement cardholder' and 'Concessional or dependant RPBS beneficiary or Safety Net concession cardholder', with 'Brand substitution not permitted' checked. A red message states 'No medications selected'. The right section, titled 'Tabs', shows the 'Prescription' tab selected. It includes dropdowns for 'Prescription type: Doctor (PBS)' and 'Handwriting font: --'. There are checkboxes for 'Entitlement', 'Concessional', and 'Brand Substitution not permitted' (checked). Below this are 'Select Prescriber' and 'Select Patient' buttons. Patient details for Tita Aldarondo are listed: Miss Tita Aldarondo, Gender: female, Age: 2 mths, Ethnicity: Spanish, Medicare number: 7536 8561 YS 7, Concession type: Health Care Card, Concession number: 13 GJ 739841 RC, Smoking status: non-smoker. At the bottom, there are 'Update' and 'Cancel' buttons.

The prescription pane

Prescription tab

The prescription tab is displayed by default when the prescription pane is first opened and contains the basic items required for the prescription. To begin, a prescription type must be selected from the drop down box. Selecting a prescription type will display a preview for the script on the left hand side of the pane.

The date offset sets the date of the script as a # of days before or after the current exercise date. For example -3 would set the date for the script as 3 days before the exercise date.

Please note that positive values are allowed, so that date errors can be introduced. If you do not want to set a date error, please ensure that a negative offset is entered.

A handwriting font may also be selected from the drop down box. If a handwriting font is selected, all text will be displayed in that font on the script.

Underneath the handwriting font section are the script specific options. Some prescription types have additional options or fields that must be entered (such as an authority number or a hospital ward). Changing the script type will cause the script options to reset. When changing the script type, always make sure that the script options are set correctly.

The next two items to be set are the prescriber and patient. Selecting either is done by clicking the respective select button. Doing so will display a table where they can be selected for use on the script. There are no additional options beyond selecting the two.

Add medication

Once a prescription type has been selected, the add medication button will appear in the tab area. The add medication button is displayed based on the maximum number of medications a prescription can hold. It will disappear if the maximum number of medications on a prescription have been reached or there are too many medications on the prescription.

Clicking the add medication will display the medication selection screen. Once a medication has been selected, a medication tab for that medication will be created and opened.

Medication tab

Each medication on the prescription will have its own tab. Clicking the tab will display the medication tab for that medication. Medication tabs are displayed with the name of the medication on the tab.

In the image below there are three medications on the prescription: Abbotcillin VK 250mg Tab, Accucheck Performa 100 Strip and Accupril 5mg Tab. Accucheck Performa is open on the pane and the other two medications appear as tabs in the tab bar.

Inside the medication tab, the directions, qty and repeats can be set for the medication and the prescription preview will update to reflect the changes. The medication can be changed for another one by clicking the select medication button, which opens the medication select pane.

Dr. Amrita Aman XXX
18 Thanet St, Pharmville,
Victoria, 3052,
Ph: 78403332
Prescriber no. AX14938

Patient's Medicare no. 7536 8561 YS 7
Pharmaceutical benefits entitlement no. []
 Safety Net entitlement cardholder (cross relevant box) Concessional or dependant RPBS beneficiary or Safety Net concession cardholder

Patient's name **Tita Aldarondo**
Address **1/5 Creedon St, Pharmville, Victoria 3052**
Date **12 01 2016**
PBS X RPBS Brand substitution not permitted

ABBOCILLIN VK 250mg Tab (SI)
1 n QTY: 30 RPT: 0

ACCUCHEK PERFORMA 100 Strip (RD)
1 bd QTY: 30 RPT: 0

ACCUPRIL 5mg Tab (PF)
1/2 tab am and noon QTY: 30 RPT: 0

Doctor to sign original and duplicate Turn over for privacy note
A. Aman

Prescription: ABBOCILLIN VK 250mg Tab
ACCUPRIL 5mg Tab Extras Outcome

ACCUCHEK PERFORMA 100 Strip

Select medication Delete medication ↑

↓

ACCUCHEK PERFORMA 100 Strip | Glucose Ind Strips Strip (RD)
Brand product

Schedule: 0
Location: Shelves
Pack size: 1

Directions on prescription:
1 bd

Quantity: 30
Repeats: 0

Medication tab example

The medication can be removed from the prescription by clicking clicking the delete medication button. Deleting a medication will move any medications below it up a slot on the script. For example, deleting Accucheck Performa 100 on the script above would make Accupril 5mg the second medication on the script.

The order of medications can be changed by clicking the arrows next to the delete medication button. Clicking the up arrow will move the medication up the script and clicking the down arrow will move the medication down.

Extras tab

The extras tab is where additional patient background information can be added to the script using patient notes and dispensing records. Each prescription in the exercise is treated separately, so notes and dispensing records are not shared between prescriptions even if the scripts have the same patient.

The screenshot shows a software interface for managing a prescription. At the top, there are buttons for 'Prescription' and 'Outcome'. Below these are three buttons for medication names: 'ABBOCILLIN VK 250mg Tab', 'ACCUCHECK PERFORMA 100 Strip', and 'ACCUPRIL 5mg Tab'. The interface is divided into three main sections: 'Patient notes', 'Dispense records', and a message box. The 'Patient notes' section has a text input field, an 'Add patient note' button, and a 'test' button with an 'X' icon. The 'Dispense records' section has an 'Add new dispensing record' button. The message box at the bottom left contains an information icon and the text 'No dispensing records have been added.'

During the exercise, students will be able to view the patient notes and dispensing records set on the extras tab using the patient information screen. The additional notes can be used as supplementary information to determine how they should treat a prescription.

Extras tab

Prescription outcome tab

The prescription outcome tab is where the overall outcome for the prescription is selected and options filled out. There are two outcomes for a prescription: Dispense script and There is a problem with the script. The there is a problem with the script has been named so because the problem may not necessarily prevent dispensing the prescription.

The screenshot shows the 'Outcome' section of the interface. It has a title 'Outcome' and a sub-section 'Select outcome' with the instruction 'Select an outcome for this script from the options below.' There are two radio button options: 'Dispense script' (which is selected) and 'There is a problem with the script'. Below the 'Dispense script' option is a text box for 'Correct feedback (script is legal)'. Below the 'There is a problem with the script' option is a text box for 'Incorrect feedback (non-legal outcome selected)'. The 'Dispense' section below has a similar layout with two text boxes for feedback.

Dispense script indicates that there is nothing seriously wrong with the prescription and it should be dispensed normally. All that is required for a dispense outcome is to complete the dispense outcome feedback fields.

Outcome tab with dispense script selected

Selecting there is a problem with the script displays a list of all the potential problems with the prescription. Some options hide fields on the prescription, making the field incomplete or missing. Other options require background data on the patient provided in the extras tab, such as subtherapeutic doses or overdoses on medications.

Incorrect strength medication options

Selecting an error will draw an ellipse around the corresponding field on the prescription. These ellipses are later used in feedback and compared to the student selections through colour coding (green is a match, purple is a mismatch and red is missed by the student). A basic list of all the script problems is below.

Script ID missing	Date incomplete	Date missing
Script expired	Script incorrect date	Prescriber name missing/incomplete
Address missing / incomplete	Prescriber phone number missing	Prescriber not permitted to use this type of prescription
Prescriber signature missing	Patient name missing / incomplete	Patient address missing / incomplete
Medication name missing / incomplete	Medication strength incorrect (overdose or subtherapeutic)	Medication strength missing
Medication form missing	Medication form inappropriate	Medication form not available
Medication directions	Medication directions missing	Medication Qty missing

problem (subtherapeutic dose or overdose)		
Medication qty is more than can be supplied	Medication repeats missing	Medication repeats, too many repeats
Medication potential interaction	Medication suspicion of abuse	Medication not allowed on this type of Rx
Contraindication with patient's existing medication	Patient has allergy to medication	

Based on the type of prescription, additional options will appear. At least one problem must be selected for the outcome to be valid, along with the wrong outcome feedback fields.

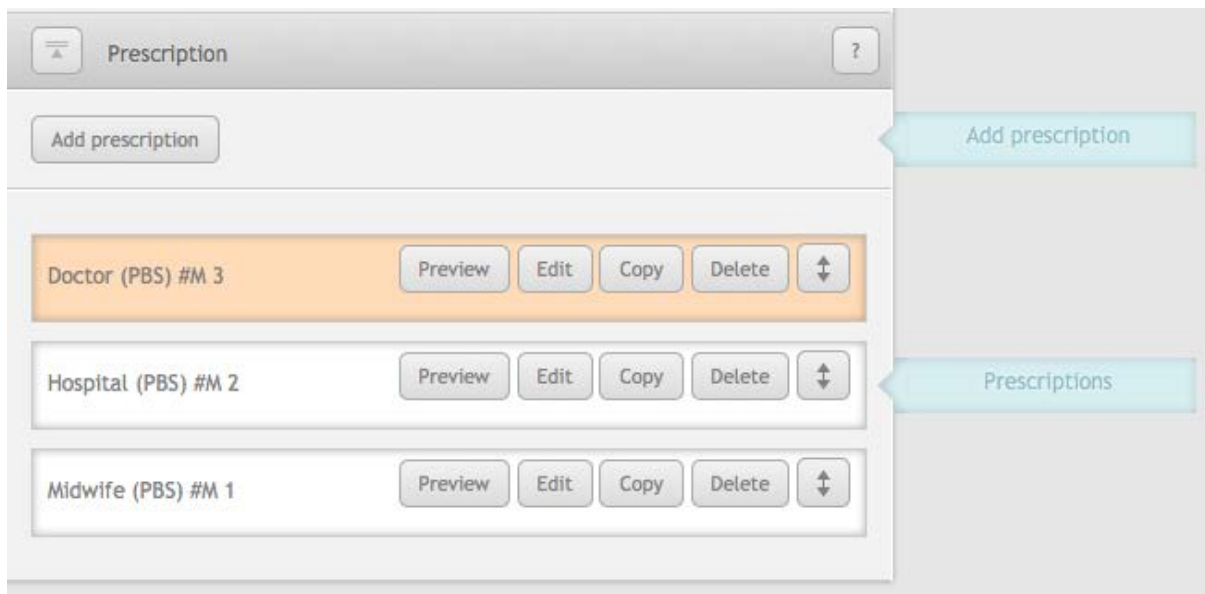
Save prescription

When the prescription is ready, click the update button to finish working with it. Clicking the update button will close the prescription pane and add the new prescription to the list of prescriptions in the exercise.

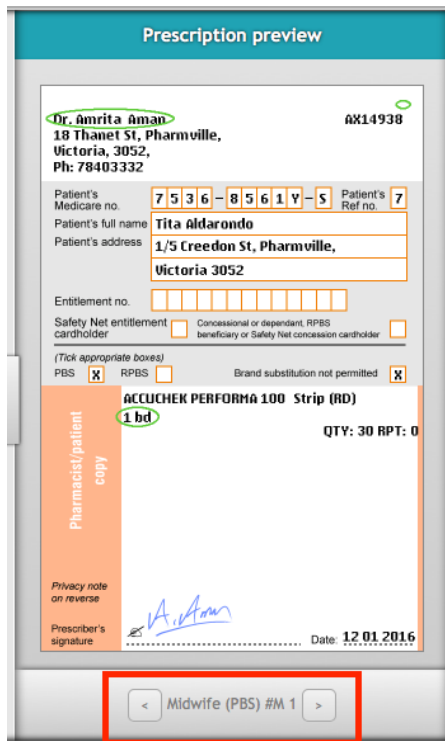
The screenshot displays a prescription management interface. On the left, a prescription card for ACCUCHEK PERFORMA 100 Strip (RD) and ACCUPRIL 5mg Tab (PF) is shown. The card includes dosage instructions (1 bd and 1/2 tab am and noon), quantity (QTY: 30 RPT: 0), and a signature. A red box highlights the 'Update' button at the bottom of the card. On the right, a 'Feedback' section is visible, containing three categories of feedback: 'Correct feedback (all reasons selected)', 'Partially correct feedback (some reasons selected)', and 'Incorrect feedback (different outcome selected)'. The 'Incorrect feedback' category shows a message: 'You were incorrect, there was a problem with the'.

Managing exercise prescriptions

Beneath the Add prescription button in the prescriptions section is the list of prescriptions currently in the exercise. Each prescription appears as an item in the list and is displayed with its type and the number of medications on the prescription. For example: Doctor (PBS) #M 3, is a Doctor (PBS) script with three medications (#M 3).



Prescriptions list



Prescription preview pane

The prescription in the list that is highlighted orange is the prescription currently on display in the prescription preview pane. To look at another prescription in the preview pane, click on the Preview button for that prescription. It will turn that prescription item orange and display the script in the preview pane.

At the bottom of the prescription preview pane are arrow buttons next to the name of the prescription name. Clicking the left and right arrows will navigate between the prescriptions in the exercise and display them in the prescription preview pane.

Clicking the edit button on the prescription item will open the prescription pane again with that prescription loaded where it can be edited.

The copy button will add a copy of that prescription onto the end of the prescription. It copies all aspects of the prescription including the outcome.

The delete button will immediately delete the prescription from the list and the exercise. There is no confirmation window so make sure that you are sure about the prescription being deleted.

On the far right there is an arrow button. Clicking and dragging this up or down will change the order of the prescriptions as they appear in feedback. Normally prescriptions will be displayed in the order that they appear in the list, however the order can be randomised by checking the 'Randomise order of prescriptions' exercise option.

Randomising the order of prescriptions in the exercise will display them in a random order for the student to complete. The prescriptions will appear in the correct order during feedback, no matter the order they appeared in for the student.

Saving the exercise

To save the exercise, click the save button on underneath the checklist. If there is a problem or there is something missing in the exercise, the checklist will update with the error that prevented the exercise from being saved.