



Analyst Version 3.46

Analyst PMR – Welsh Features



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An extract of the full Analyst manual containing:

2dRX

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2DRx

Introduction to 2DRx

2DRx (two dimensional prescriptions) are the Welsh equivalent of the English ETP and Scottish AMS systems which allow information from the prescribers' systems to be put directly into the PMR system of a dispensary.

The key difference between 2DRx and the other British systems is that the other British systems use a secure internet connection and massive IT infrastructure to transmit the prescription details from the prescriber to the pharmacy. The Welsh model does not use the internet, but embeds the prescription information into a two dimensional barcode which is printed on the WP10.



A 2D barcode

This barcode contains all of the information detailed on the script and scanning this into Analyst is the same as downloading it from a larger infrastructure, the advantage being that if that infrastructure, or access to it, fails then so does the script retrieval. The main disadvantage of this paper solution is that the WP10 must exist to be handed in and in good enough condition to be read by the scanner.

Scanning the Barcode

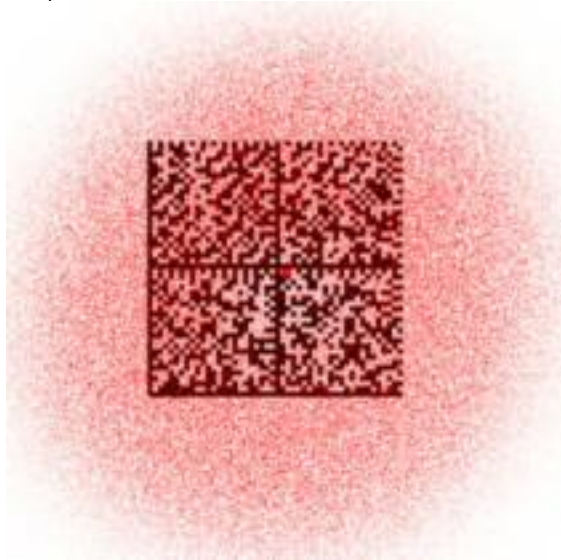
In order for a 2d barcode to be read a new scanner must be used. This scanner does not only scan barcodes across the lines in a single direction but vertically too. Hence the dimensions. Rather than using a laser line to cross the bar lines a single laser point is used to aim the scanner at the barcode. Regardless of whether this is a 1D or 2D barcode, simply aim the dot at the centre of the barcode from about 6 inches away and it will determine what type of code it is and will read it.

Scanning the Script

The first thing to do when the script is received in to the pharmacy is to scan it. This can be done in the PoS or on the PMR, though is most commonly done on the PMR.

From the Script Queue Screen

When in the PMR the script needs to be scanned into the Script Queue screen. Aim the scanner towards the 2D barcode and squeeze the trigger. Aim the laser spot at the centre of the barcode and hold the scanner between 3 and 9 inches (5 and 15cm) away from the script.



The scanner will beep and a new entry will appear on the script queue screen.



An hourglass appears as the scanner deciphers the barcode and transmits it to Analyst. This takes a few seconds due to the volume of information contained within the barcode. Once complete the script bears a blue inbound arrow and the name of the patient is displayed.

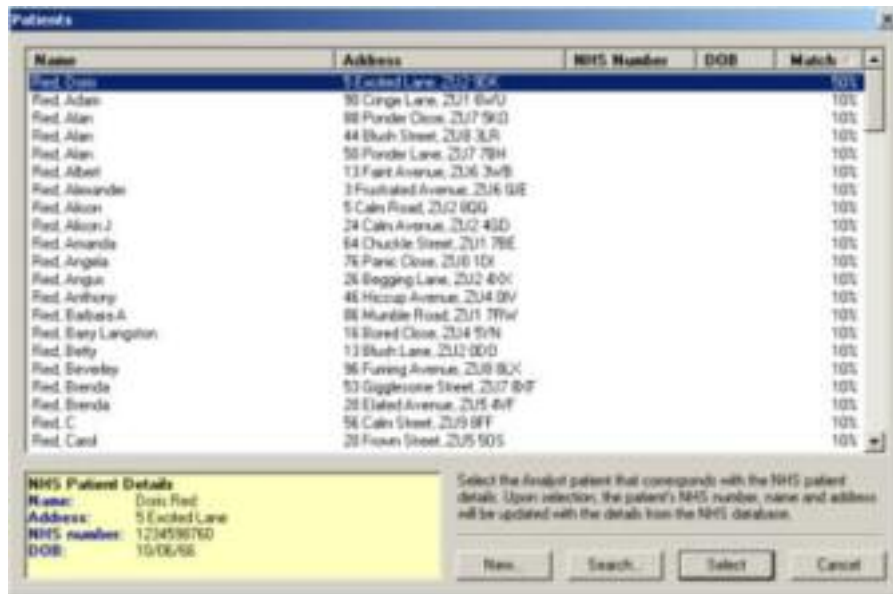


More than one script can be scanned in at once before being dispensed, but the scanner must completely transmit the contents of one code before it's ready to scan another.

Synchronising Patients

In the early stages of your 2DRx implementation you will need to synchronise the patient database held in Analyst with those details on the prescribers' systems. Both sets of records will probably be correct and it is simply a case of matching records.

When an electronic script has been scanned it contains the patient details. If this patient is not synchronised with your system Analyst will suggest who it is likely to be when you start the session.



Each of the suggested patients have a 'match' rating against them listed in the right hand column. This gives a quick indication of how many of the details you hold for the patient match the details held on the script. The details from the script are displayed in the pane on the bottom left. Patient's on the system who are marked as deceased will not display in the list of possible matches, though patient's marked as 'moved-away' still will.

Selecting an existing patient

If you already have this patient in your system highlight them in the list and click **Select**. If they are on your system but are not displayed click the **Search** button and find them yourself. Any differences in the name, address, postcode or NHS number between the patient you have selected and the CRS details are highlighted the following window.



The script details are displayed on the left and Analyst's details on the right for you to compare. The non-matching information is highlighted in red. On rare occasions the name may look slightly jumbled due to the way information is read from the script into Analyst. If this happens, but it is the correct patient check the box at the bottom left to just use the NHS number to match this patient in the future. This option to turn this check box on is found on the ETP tab of the PMR system configuration and is checked on a per patient basis. The patient record is updated with a check in the corresponding box on the Notes tab of their record.

Click **Update** to update your records with the script details and synchronise the patient. A warning will appear to confirm you are about to update your records. This warning can be turned off by placing a tick in the box at the bottom left. It can be turned on again in the system configuration.



If only the address details have changed you may choose to **Proceed** without updating and synchronising the records. If it appears you have selected the wrong patient on the previous screen **Search** will allow you to search for the correct record or **Cancel** back to the Script Queue screen.

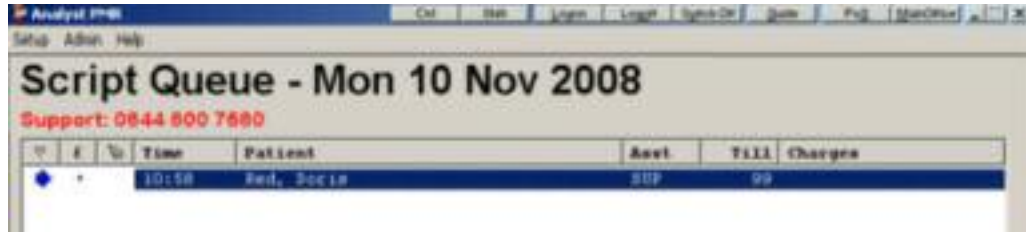
Creating a new patient

If no suitable record is displayed or you are sure this is a new patient, click the **New** button to create a new record and start dispensing. The details read from the script are used to create the record, but be sure to add any additional information you have about them by clicking in the Patient Information pane of the dispensing screen.

Dispensing 2DRx Script

Once the details of the script have been scanned it can be dispensed.

Highlight the 'inbound' 2DRx script on the Script Queue screen and click **Expand**. If a code is re-scanned a warning will appear that the script has already been entered and once the message is dismissed it will be highlighted.

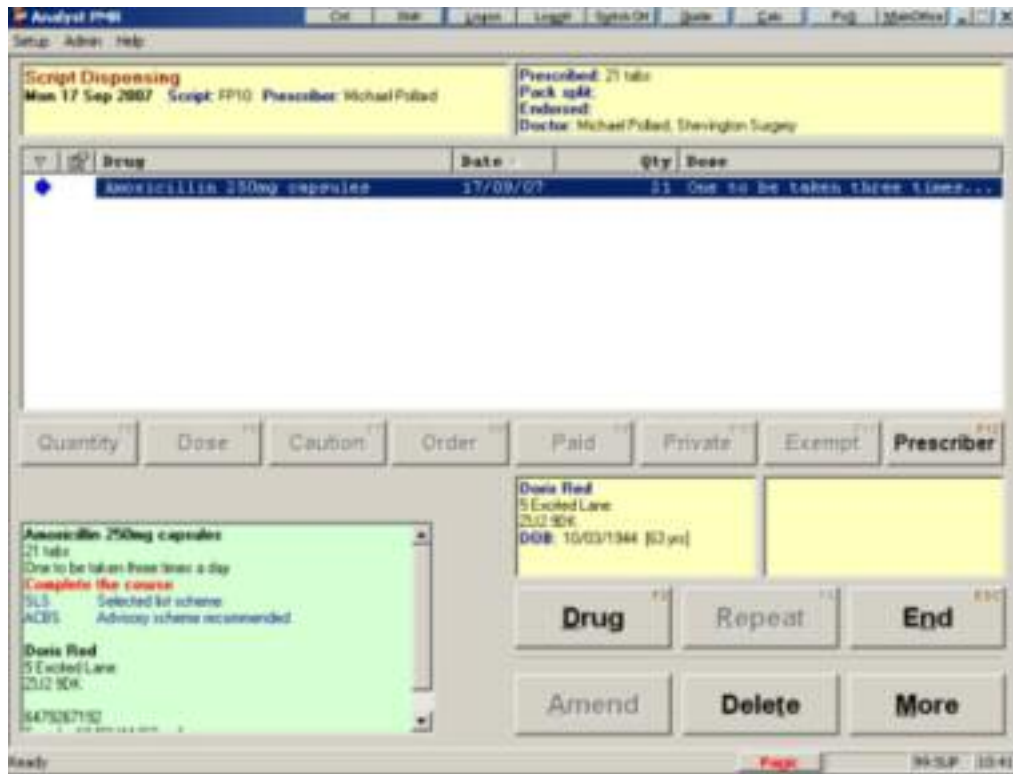


If you have never dispensed an electronic script to this patient before you may need to synchronise them before dispensing. If you have already synchronised and dispensed to them the dispensing screen will appear with the script overview.



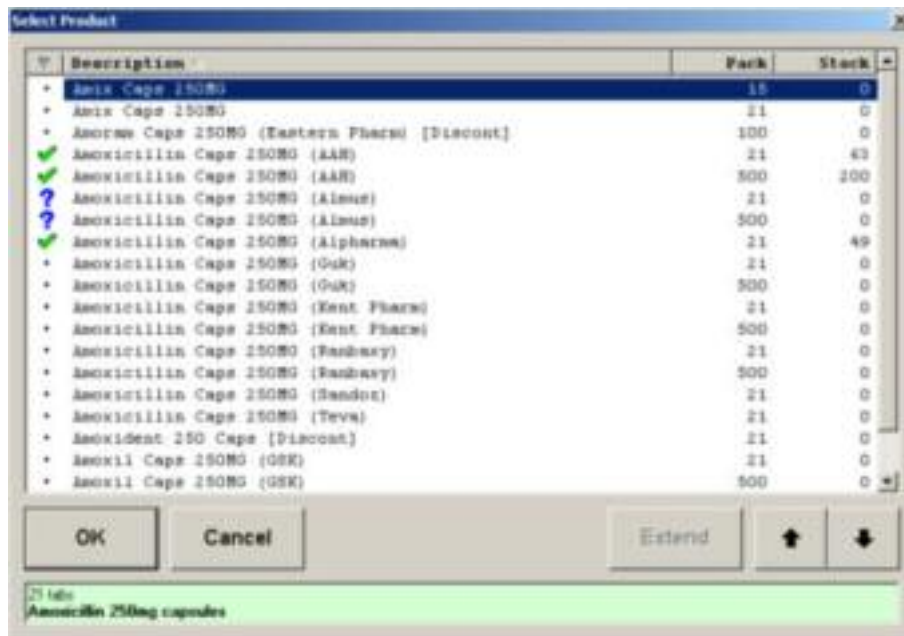
Compare the details on the FP10 to the details received from the Spine. Click **Close** to dismiss the overview. If you prefer not to see this overview the option to 'Don't show this dialogue again' can be selected before closing the overview. This can be reversed in the ETP Tab of the PMR System Configuration.

The main dispensing screen is now revealed.



The items of the script are already displayed for you in addition to any dispensing history for the patient. Select the item you wish to dispense and click the **Drug** button, click the label preview pane or double click the highlighted line.

Throughout the drug dispensing screens the prescribed item and details remain visible in a green strip beneath the various windows that appear.



Analyst displays the items in your product file that match the prescribed item. Select the item you wish to dispense and click **OK**. The list can be reduced further still if you only tend to stock one manufacturer's lines. Read the Dispensing Preferences topic to see how.



The normal drug quantity screen displays. The amount prescribed has been determined from the script and the dispensed amount is completed ready for you to confirm that you are dispensing the amount in full. Check and amend the quantities if necessary.

Due to a conflict in the way items can be prescribed and the way they are interpreted by the dm+d in Analyst some items might need the prescribed quantity confirming. If this is the case a red band will appear at the bottom of the drug quantity screen and the prescribed quantity will not be completed automatically.



The prescribed quantity must be entered before you can proceed. For reference the green band at the bottom of the window always displays the original text from the Spine or refer to the WP10. Once entered the dispensed quantity will default to satisfy the prescribed quantity but owings can be created in the normal way if required. Click **Accept** to continue.

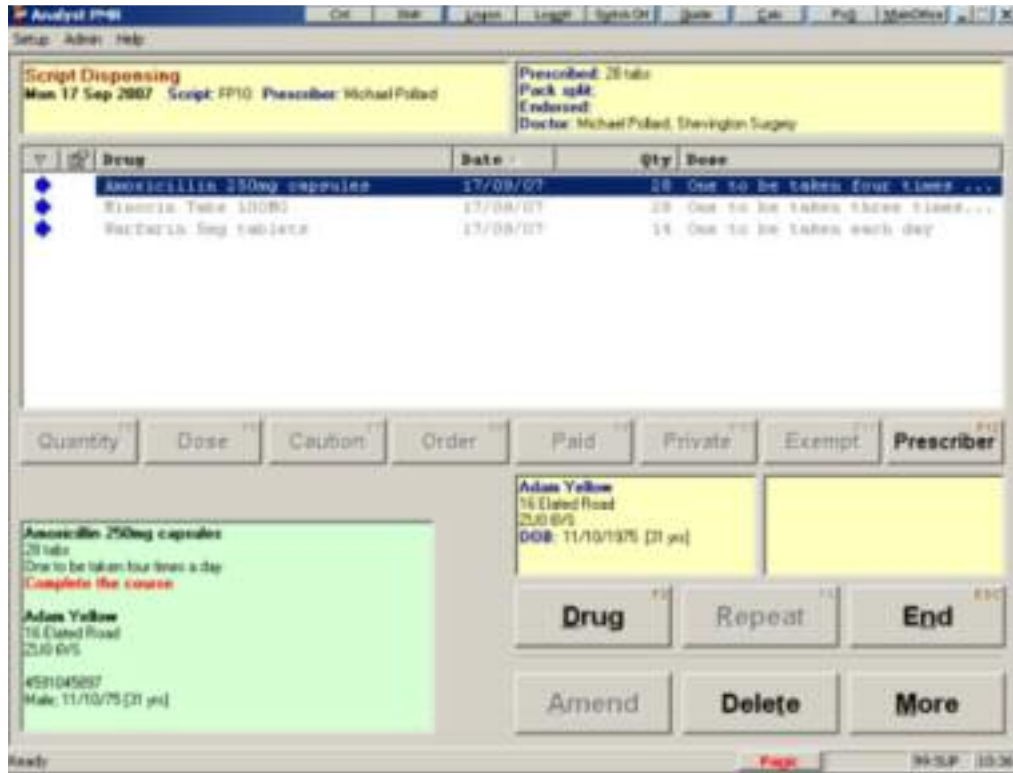
The dose instructions can be optionally displayed if the prescribers' details frequently need correcting. Otherwise the dose instructions have been determined from the script and are displayed in the label preview so the item is now complete.



Check the label to confirm that all the details are correct and use the **Amend** button as normal if anything needs changing. The other items can now be dispensed in the same way. When all items of the script have been dispensed, or have had owings created click the **End** button.

Scanning in Items

If you prefer to scan your items into the PMR you can continue to do so with an electronic script. Select and expand the script as described in the previous topic to display the contents of the script.



Select the items off the shelf and scan the first item in. It doesn't matter which order you scan them in, Analyst will match up the item you have scanned with the correct item in the script. If you are dispensing more than one pack of the same item, just scan one of them.

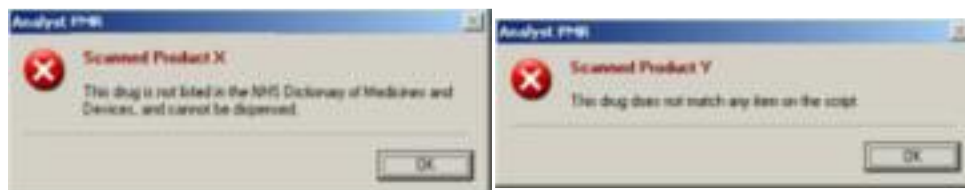


The Drug Quantity screen is displayed after each pack is scanned to confirm the amount dispensed. This defaults to the amount prescribed but can be amended if you need to create an owing. Click **Accept** when the amount dispensed is correct.

Repeat this procedure with each item on the script and click **End** to end the session when all the details are correct and to close the session.

Scanning Errors

Only items which match those in the script and are contained in the Dictionary of Medicines and Devices (dm+d) can be scanned in. If you scan something which cannot be matched to an item on the script or is not in the dm+d an error will appear.



The barcode may not be recognised if it has not been entered into the system before. If required it can be added to the appropriate product by pressing **CTRL+Q** to bring up the Product Search dialogue, searching for the appropriate drug and adding the barcode to it.



If the item can not be matched or is not in the dm+d then another equivalent drug must be selected.

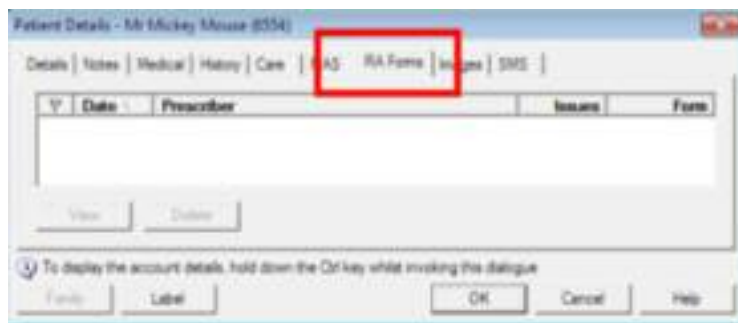
Repeat Authority Forms

When a prescriber issues a batch of repeat forms they will be accompanied with a repeat authority form. Although this will have a 2D barcode it cannot be dispensed from. If it is scanned into the Script Queue screen a message will appear that it cannot be dispensed.

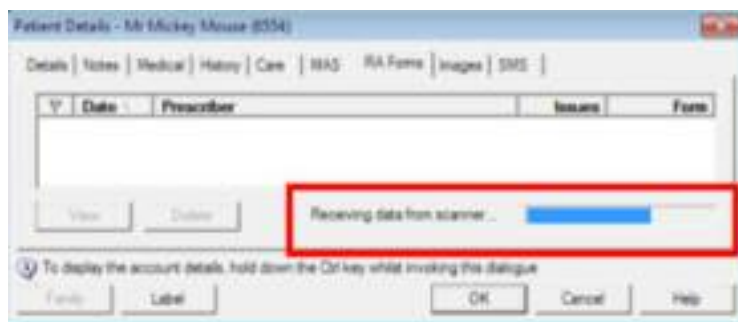


Storing the Repeat Authority

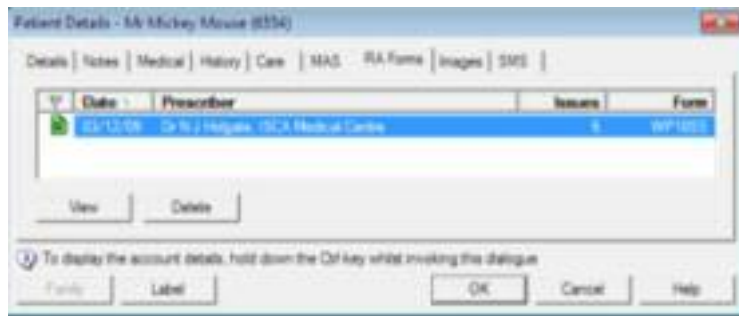
The details of the repeat should be stored for future reference. Open the patient's record and click onto the RA Forms tab.



Scan the barcode on the Repeat Authority form.



It will take a few seconds while the scanner decodes and transmits the details. The progress is displayed with the blue bar.



The form is now displayed. The details can be viewed by clicking **View** or deleted.



This displays the details of script and can be printed if required,

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