Laboratory Data Messaging

Laboratory results are recorded in the patient's file by:

- Manually entering the data
- Automatically receiving the data via the Data Exchange Module

Manually Entering Laboratory Results

1) Create a new medical transaction. Leave the transaction Type as **contact** but change the Name to **Lab**.
2) Click on **OK** to create the transaction.
3) Insert the sequence **haemoglobin** or **biochemistry** as required and record the results.

Automatically via the Data Exchange Module

*This is done in 3 phases*

1. *Download the lab results to a folder*

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2. Import the lab results into HealthOne
3. View and integrate them into the patients chart.

1. **Download the lab** results from the lab to a folder on your PC – e.g. C: labs. This will be a different method depending on which labs you work with. Your local healthboard or Healthlink will give you instructions on this.

2. To import the lab results to HealthOne Press the following button 📥 on the main tool bar.
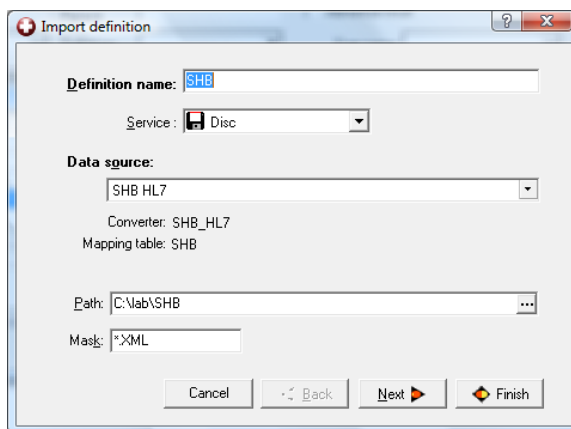
   The following screen will be displayed
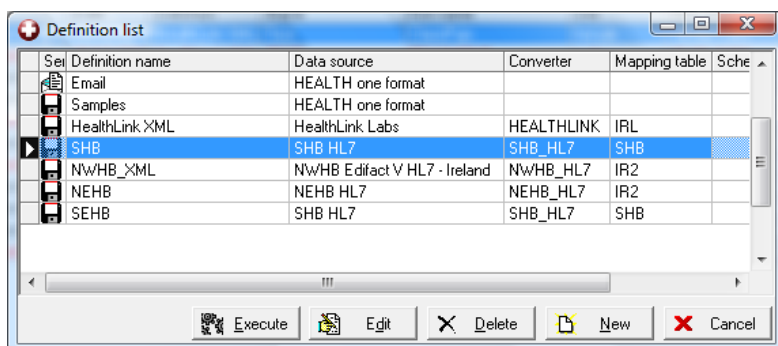
   The first time you set this up you will need to point Health One to the folder which you download your labs to. To do this you should select the Health Board for your area and press the edit button.

   The following screen will be displayed.

   The path to your folder which you down loaded your labs to and press next.

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Select the integration and filing options for the results on the next screen, to suit your practice and press next again. Then press finish.

Once you have the correct path set to the folder which contains your downloaded lab results you can press the execute button. This will import the results to Health One.

Automatic Merging

If the laboratory definition file had been configured to automatically merge results into the patient files this would have occurred and only errors would be left to be resolved. Managing errors are described later, for now, assume all went well and the data has been successfully merged.

Manual Merging

Many practices would validate the results before merging them, in which case all results would now be *waiting* to be validated in the Data Exchange Module Inbox.

Press this button on the main toolbar to access the Exchange

module inbox

The data exchange module screen will be displayed where you can see the list of imported lab results.

Double click on any line to view the message. Any results which have been viewed will have an eye icon beside them

Pressing ☑ will indicate that the result has been viewed and has been given permission to integrate. You can also print the result, 🖨send a text message to the patient from this screen. 📋
To integrate a result - select the results from the list on the data exchange module screen and press the integrate selected items button 📥

If the patient is matched to a patient in your database on name, surname, sex DOB, the result will be imported to their chart. If the patient is not in your database you will be given the option to add the patient or set as not found.
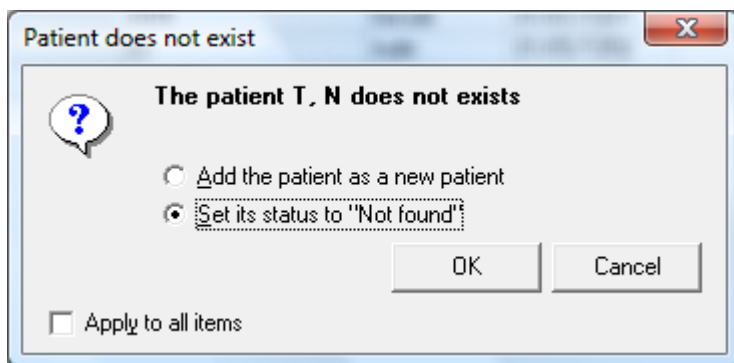
Managing DXM Errors

If a patient file cannot be located for an imported transaction the DXM module can be set to manage this in one of two ways:

- Automatically create a new file for the patient

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- Set the transaction status to 'Not Found' and await user intervention to resolve the problem

The choice of action is controlled via the lab Definition file. See *Creating a Definition File* later in this section.

Note: If the definition file had been set to always validate transactions then all transactions, including the *not found*, are set to an initial status of **waiting**. Only when an attempt is made to integrate the transaction will a dialogue box appear requesting your choice of action:

Automatically Create a New Patient File

Initially this may seem the most sensible thing to do, however, labs do make mistakes, and the problem could be that the patient's name has simply been spelt incorrectly.

Mark the Transaction as 'Not Found'

With this setting the transaction will appear in the DXM INBOX as 'Not Found'.

Now there are two possibilities:

The patient genuinely does not exist
The patient does exist but their name has been spelt in-correctly

In all cases

1) Select the transaction and then click on the **Correct** DXM menu

button

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- The DXM Correct Identifiers window appears. In it is listed all patient's that nearly match the not found one:

If the Patient Does Not Exist

2) Click on the Correct Identifiers window **new** button.

- The patient file is created.

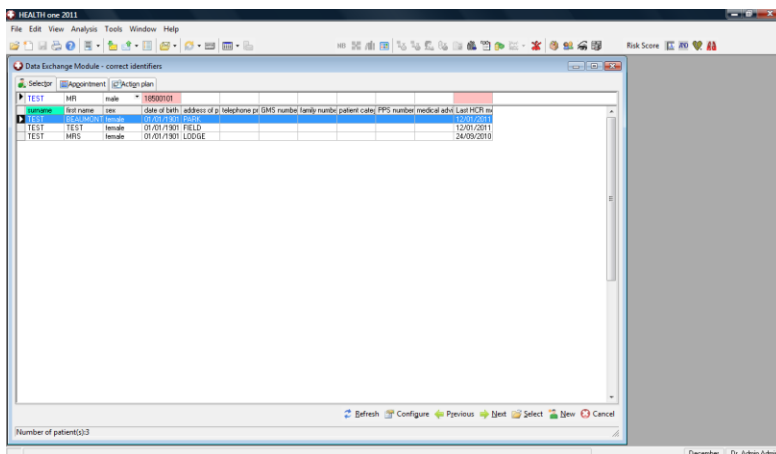3) A prompt appears to confirm creation.

If the Patient Does Exist

1) In the Correct Identifiers window click on the patient file that the transaction is to be integrated into and click the **Select** button.
2) A prompt appears to confirm integration. Click **OK**
3) A notice appears to inform you it has been done. Click **OK**
Not found
patient.

If the Patient does exist ..continued.

4) Two things now occur:

- The transaction is integrated into the selected patient's file.
- The name error is remembered for this lab and will be automatically corrected next time if set to do so in the definition file advanced options. (See HCR Identifiers below)

6) Click the Correct Identifiers window **Cancel** button.

- Window closes and DXM window back in view.

7) If you are ready to quit the DXM module click on the cross in the upper right hand corner of the DXM window.

Tidying the INBOX

All transactions imported into HEALTHone™ arrive in the DXM INBOX. From time to time it will be necessary to locate specific transactions and perform *housekeeping* on the INBOX.

Locate Specific Transactions

1) Open the DXM module
- DXM window opens.

2) Use any of the techniques above to locate the transaction(s) required.

Selecting Transactions

1) Once the transaction(s) required have been located they can be selected individually by clicking once on the transaction selector column to the left of the transaction.

2) Hold down **Ctrl** and **Click** the selector column to select multiple transactions.