MT2PENCAT Data Mapping Setup



Once the **Medtech32 MT2PENCAT** utility has been successfully installed, it is necessary to configure the data mapping to the **Pen CS Clinical Audit Tool** within your **Medtech32** system.

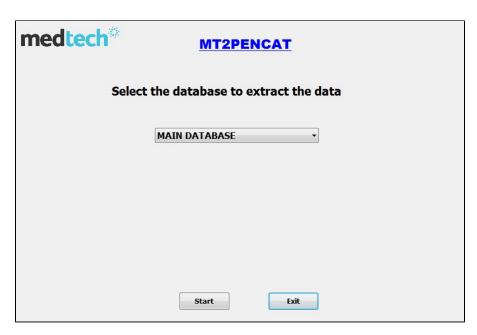
1. Log in to **Medtech32** and select your usual database.



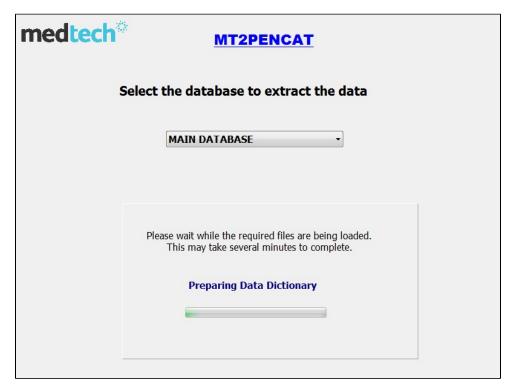
1. A new menu option has been added to your main Medtech menu bar. Click on the Utilities > CAT4 menu to access the new utility.



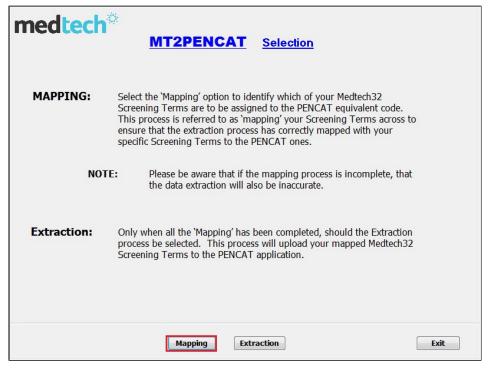
1. Click on the MT2PENCAT option. Select the respective database to extract from using the drop down list and then click on the Start button.



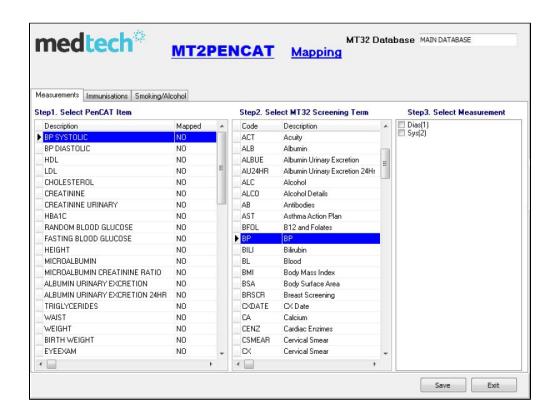
1. On clicking the **Start** button, the screen below will be displayed.



1. Once the required files have been loaded, the screen below will appear. Click on the Mapping button to continue.



1. The Mapping screen will be displayed



Note: Once the MT2PENCAT application is running, you will also see the Medtech32 MT2PenCAT extractor icon on your system tray at the bottom of your screen.



If you minimise the MT2PENCAT screen, you can click on the icon on the tray to restore it to full screen.

MT2PENCAT Mapping Screen

Explanations of the Mapping Screen are covered below.

1. MT32 Database: This displays the Medtech32 database that you are logged in to, and for which the mapping is being done from. This is to accommodate those practices with multiple databases.

Note: ensure that the database displayed here is the correct one to use. If not, then please refer to the section titled 'Multiple Databases'.

 Measurements, Immunisations, Smoking/Alcohol Tabs: Mapping values are required to be input by the Practice staff responsible for the Clinical extractions.

HINT: You are able to move on to the next stage if you have completed the full Mapping process to your satisfaction. Those fields that have not been mapped will display in the **CAT4** Report, but with empty values.

MT2PENCAT Mapping Process

The Mapping utility process will do an initial review of your Medtech32 database and then present the results in a Table format for you to work with. The CAT4 Measurements in **Step 1 of the Table** are displayed as per the sample screenshot below.

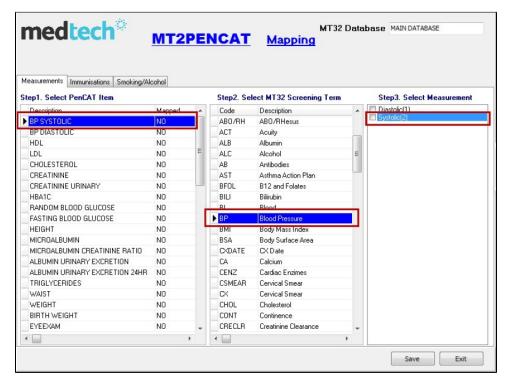
In Step 2 of the Table – this is a direct view of your Screening Terms in your database – their Codes and Descriptions. These are the codes that need to be mapped.

The final Step 3 of the Table – will display any measurement values for the relevant

Screening Term selected in **Step 2 of the Table**. Based on the first entry in **Step 1** of the Table, select the corresponding Screening Terms in **Step 2** of the Medtech32 Screening Terms and their relevant Measurements in **Step 3 of the Table** for you to 'map together', so that your existing Medtech32 Screening Terms correspond to the CAT4 Item descriptions shown in the first column.

An example of how to do the Mapping is shown below, and also highlighted in yellow.

a. Select the	b. Link it to	c. Assign the
CAT4 Item	Medtech Screening Term	Measurement Value
- BP Systolic	BP – Blood Pressure	Systolic



IMPORTANT NOTE: Appendix A documents

A summary of the expected CAT4 Codes can be found here: MT2PENCAT Data Mapping Setup. Please ensure that you have reviewed the list of CAT4's required Screening Terms. If they are missing from your Medtech32 system, then please add them in to your Screening Terms if applicable to your Practice.

WARNING: Each Medtech32 Code Value Can Only Be Mapped Once.

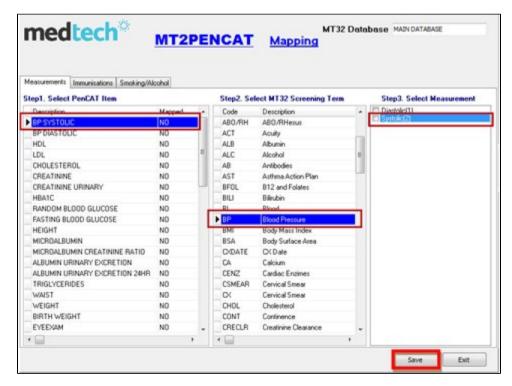
Ensure that you have also reviewed and mapped the screening terms in all of the three Tabs – **Measurements**, **Immunisation** and **Smoking/Alcohol** tabs.

Note:

It is expected that the first time that this process is run, that there will possibly be several measurements that will require remapping. This process may take some time to do and needs to be attended to by a Clinical staff member to ensure that they are correct for your database.

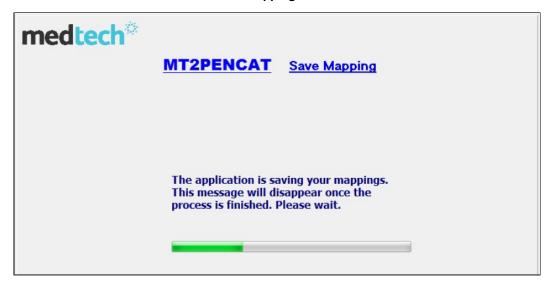
Complete Mapping Screen

1. Click on the **Save** button to save your current mapping selections if you have completed the Mapping, or wish to return to this screen at a later time to complete the full Mapping process.

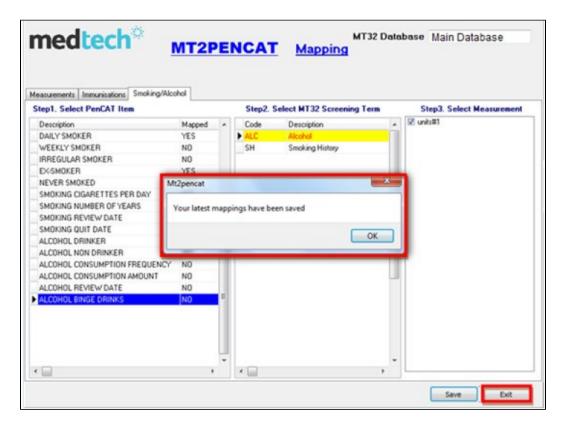


Once the **Save** button has been selected, the **Save** process screen will be initiated. The status of the process will also be displayed onscreen – refer to screenshot sample on the following page.

Save Mapping Screen

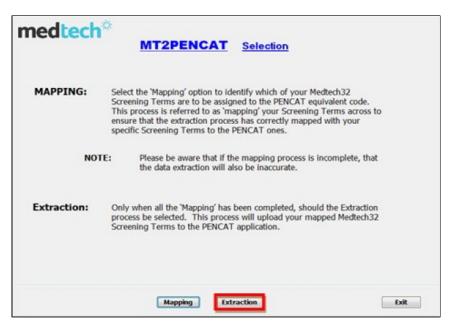


Once the **Save** process has been completed, a **Message Box** will appear onscreen to advise the user.



1. Click on the Exit button to exit this screen entirely.

You will be returned to the 'Welcome to the MT2PENCAT Start up screen'.



1. Click on the Exit button to close this screen

OR

Click on the **Extraction** button to access the **MT2PENCAT** Extraction screen.

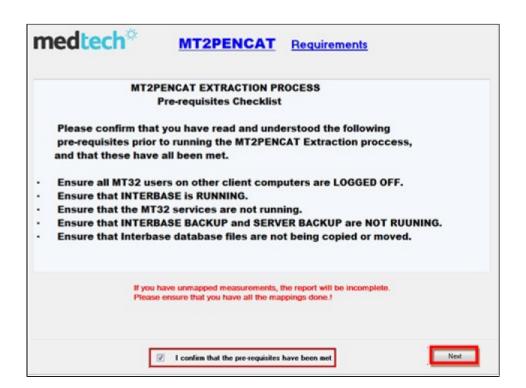
Note: To run the **PENCAT4 Extraction** option at a later stage, go to the **Utilities CAT4 MT2PENCAT Extractions** menu.

MT2PenCAT Extraction Option

a. From the MT2PENCAT screen, selecting the Extraction button will display the prerequisites required to be confirmed before the
extraction process can be processed.



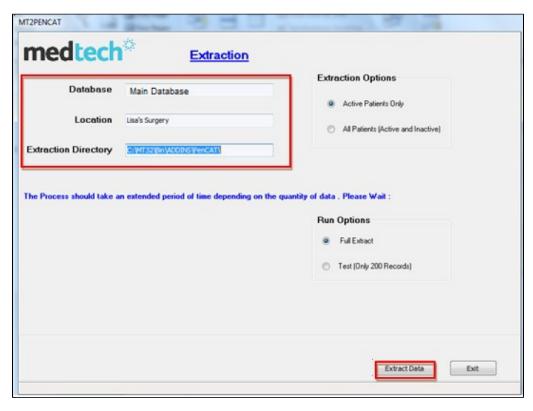
1. a. Ensure that all the prerequisites have been met, and then click on the "I confirm that the prerequisites have been met' checkbox.



a. Click on the **Next** button to continue.

The MT2PENCAT Extraction screen will display the following information.

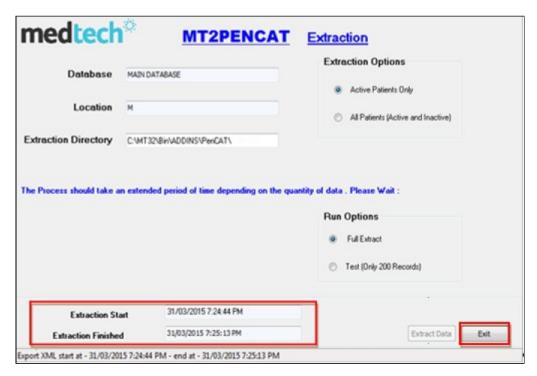
- Medtech32 Database name that you are using
 - The **LoCAT4ion ID** of your database (for those Practices with multiple loCAT4ions).
 - The Extraction directory path of where the finished extraction file will be saved.



1. After confirming the details shown in the screen above are correct, click on the Extract Data button to extract the data and make it available to the Pen Computers Systems Clinical Audit Tool application.

Note: The length of time that the process will take to complete is dependent on the size of your Medtech32 database. However, for medium to large Practices, you should factor in at least some hours for the process to complete.

Once completed, the details of the **Start** and **End** times will be displayed at the bottom status screen.



1. Once the extraction process message advises that the process has been completed, click on the Exit button to exit the screen.

Technical Enhancement

Change of Date of Birth Parameter

In the earlier versions of the MT2PenCAT Extraction Utility, if a patient within the Medtech32 database did not have a Date of Birth recorded in their Pati ent Register screen, then the utility was transmitting the Age Parameter as '</are,' in the extracted 'Data.xml' file.

A change in the parameter for the above scenario has been modified to accommodate the missing information and the MT2PenCAT Extraction Utility will now transmit the age parameter as a '<age>999</age>' value.

APPENDIX A - CAT4 Item Descriptions

Listed below is a sample of the Measurement codes for the CAT4 Item Descriptions that will require mapping in Medtech32.

DESCRIPTION	TYPE
Bp_diastolic	Int
Hdl	dec
ldl	dec
Cholesterol	dec
Creatinine	dec
Creatine_urinary	dec
Hba1c	dec
Random_blood_glucose	dec
Fasting_blood_glucose	dec
Height	dec
Microalbumin	dec
Microalbumin_creatinine_ratio	dec
Albumin_urinary_excretion	dec
Albumin_urinary_excretion_24hr	dec
Triglycerides	dec
Waist	dec
weight	dec
Birth_weight	dec
Eye exam	dec
Foot exam	dec
Papsmear	dec
Haemoglobin	dec
Physical_activity	int
Protein_urinary	dec
Protein_creatinine_ratio	dec
Protein_creatinine_ratio_g_per_mmol	dec
Chlamydia_test	dec
Hiv_test	dec
Gonorrhoea_test	dec

Syphilis_test	dec
MMSE	dec
INR	dec
Breastscreen	dec
Glucose_2hr_tolerance_test	dec
Colorectalscreen	dec
Fobt	dec
Egfr	dec
Spirometry_fev1post	dec
Spirometry_fvcpost	dec

Below is a list of the Immunisation codes for the CAT4 Item Descriptions that will require mapping in Medtech32.

DESCRIPTION	MAPPED
Immunisations_fluvax	No
Immunisations_panvax	No
Immunisations_gardasil	No
Immunisations_pertussis	No
Immunisations_pneumovax	No
Immunisations_hebp	No
Immunisations_dtpa	No
Immunisations_hib	No
Immunisations_polio	No
Immunisations_prevanar	No
Immunisations_rotavirus	No
Immunisations_mmr	No
Immunisations_menccv	No
Immunisations_hepa	No
Immunisations_vzv	No

Listed below is a sample of the Smoking/Alcohol codes for the CAT4 Item Descriptions that will require mapping in Medtech32.

DESCRIPTION	MAPPED
Daily smoker	No
Weekly smoker	No
Irregular smoker	No
Ex-smoker	No
Never smoked	No
Smoking_Cigarettes_per_day	No
Smoling_number_of_years	No
Smoking_quit_date	No
Alcohol Drinker	No

Alcohol Non Drinker	No
Alcohol_consumption_frequency	No
Alcohol_consumption_amount	No
Alcohol_review_date	No
Alcohol_binge_drinks	No

Should you require assistance with the MT2PenCAT installation, or have any queries on this, please do not hesitate to contact the Medtech Support Desk via Email: support@medtechglobal.com or Tel: 1800 148 165.