

# Edit a Normals Database



**4DM Version:**  
2017 and later releases

A user-defined normals database can be modified or deleted using the **DB Editor** screen. Within this screen, the following modifications can be made to a user-defined normals database:

- Rename the database
- Delete the database
- Activate or deactivate datasets
- Change database options and description.

Users can also utilize the export and import function to add user-defined normals databases to other 4DM workstations.

## HOW-TO GUIDE

### OPENING THE DB EDITOR SCREEN:

1. Launch 4DM with a patient dataset and select the **DB Editor** screen from the **Screen Selector Panel** (see **1** in Figure 1). See side-panel for instructions on how to activate this screen.
2. Select the user-defined normals database by clicking on the **Normal Database** icon and choose the database from the menu (see **2** in Figure 1).

### SAVE OR DELETE A DATABASE

- **Save Database** icon (see **3** in Figure 1):
  - **Save:** Saves the current database with edits under the original filename.
  - **Save As:** Allows the user to rename a database filename and save it as a new file.
- **Delete Database** icon (see **4** in Figure 1):
  - **Delete:** Removes the database from the system and list of available normals databases within 4DM.
  - **Remove from Menu:** The database is not deleted from the system. Instead, the database status becomes inactive, and it is removed from the **Normals Database Selector** menu.

To activate the **DB Editor** screen, go to the **Screen Layout** section of **Preferences** in 4DM. Navigate to the **Inactive Screens** list, select the screen name from the list, and click **Activate Screen**.



Users cannot edit, add patients to, or delete normals databases that come standard with 4DM. Only user-defined normals databases can be edited.



To activate inactive databases, go to **Preferences** then navigate to the **Normals Databases** page. Select the inactive normals databases and click **Make Active**.



Mean Map Data	
ANT-P:	72.0
LAT-P:	82.2
INF-P:	71.1
SEP-P:	61.3
ANT-D:	78.8
LAT-D:	91.3
INF-D:	85.2
SEP-D:	86.5
APX:	83.8
Total:	78.9

Datasets in Database (60)						
(1)	(2)	(3)	(4)	(5)	(6)	(7)
AJLJ2294 SA-GS2r Tc-99m F, 100 deg FBP Any Any	GEK2260 SA-GS2r Tc-99m F, 100 deg FBP Any Any	Grm1429 SA-GS2r Tc-99m F, 100 deg FBP Any Any	bar2246 SA-GS2r Tc-99m F, 100 deg FBP Any Any	HOEP1307 SA-GS2r Tc-99m F, 100 deg FBP Any Any	HEGY1876 SA-GS2r Tc-99m F, 100 deg FBP Any Any	Jan122 SA-G Tc-99 F, 100 FBP Any Any

Figure 1. DB Editor Screen

## ACTIVATE OR DEACTIVATE DATASETS IN A DATABASE

- Activate All Datasets icon** (see 1 in Figure 2) includes all datasets listed in the **Datasets in Database** section. Activated datasets are outlined in green (see 3 in Figure 2). All activated datasets will remain included when a normals database is saved.
- Deactivate All Datasets icon** (see 2 in Figure 2) will exclude all datasets listed in the **Datasets in Database** section. Deactivated datasets are outlined in pink with a line through them (see 4 in Figure 2). All deactivated datasets will be deleted when the normals database is saved.
- Activate individual dataset:** Left-click on a dataset to include.
- Deactivate individual dataset:** Right-click on a dataset to exclude.

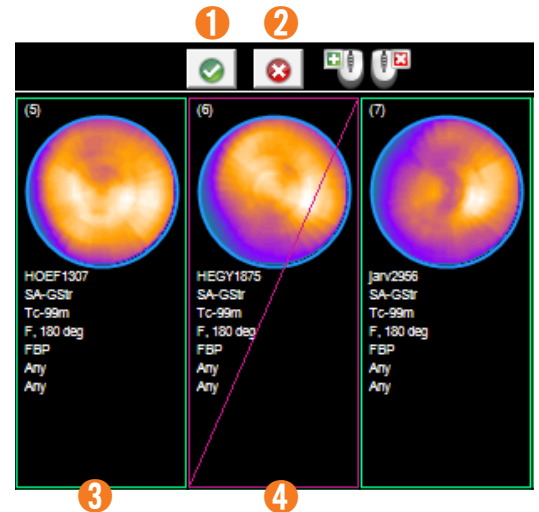


Figure 2. Activate All Datasets icon, Activated Datasets, Deactivate All Datasets icon, and Deactivated Datasets

All deactivated datasets are deleted from the user-defined normals database when it is saved.



## CHANGE DATABASE OPTIONS AND DESCRIPTION

4DM automatically assigns parameters specific to the dataset originally used to create the normals database. It may be necessary to edit the parameters to include datasets acquired with different options in order to be added to the normals database (e.g. change **Radiopharmaceutical** from **Tc-99m Sestamibi** to **Tc-99m (Any Tracer)** to allow inclusion of **Tc-99m Tetrofosmin** data).

- Edit Database:** To edit the database parameters or description used to build a user-defined normals database, select the **Edit Database** icon (Figure 3).



Figure 3. Edit Database Icon

INVIA does not recommend creating a normals database that combines patient data acquired with a different Reconstruction Arc, Image Orientation, or reconstruction method from different manufacturers.



## IMPORTING AND EXPORTING NORMALS DATABASES

- Import Database:** Import a normals database created in 4DM for use in all other Corridor4DM workstations.
  - Save the database to a shared folder on the network that is accessible to all workstations where 4DM is installed.
  - Select the **Import Database** icon (see 1 in Figure 4) in 4DM.
  - Navigate to the folder in the **Import Normals Database** window where the normals database being imported is located and click **Open**.
  - The normals database is imported and copied into the local workstation **Site Database Directory**.
  - Database should be imported on each workstation where 4DM is installed.
- Export Database:** Export a normals database to store as a back up or for import into additional Corridor4DM workstations.
  - Select the **Export Database** icon (see 2 in Figure 4) in 4DM.
  - Navigate to the folder in the **Export Normals Database** window where the normals database to be exported is going to be stored and click **Save**.



Figure 4. Import and Export Database Icons

User-defined normals databases have to be imported into each 4DM workstation separately in order to be used.



For additional guidance, refer to INVIA's **Qualifying Patients for a Normals Database, Create a Normals Database** and **Add Patients to a Normals Database** reference guides.