

Identifying patients with 3 or more multiple long term conditions (MLTC)

This search tool works in Emis. It identifies patients with three or more types of significant long term condition, including at least one condition which requires an annual review.

Related conditions (e.g. cardiovascular conditions, or respiratory conditions), are counted only once), so the tool captures patients with 3 or more different types of condition.

Details of conditions included in the search are provided in the appendix to this document.

Download the Excel file for patients with MLTC

Download the Excel file '[Patients with MLTC](#)'.

Open this file in Excel and select the 'Data Entry' tab

Importing the search into Emis

Download the Emis search file by right-clicking and opening this xml file in a browser: [PP4M Identifying patients with multimorbidity](#). Then 'save as' a file on your computer and import it into Emis in the usual way. We suggest you create a new folder in Emis labelled PP4M and save the searches there.

See the box below if you want detailed instructions on how to import the search, or skip to the next section if you know how to import searches.

How to import the search (in more detail)

- Within EMIS:
- EMIS ball (top left)
- Reporting
- Population Reporting
- Create a folder called 'PP4M' (click 'Add' in the ribbon top left.)
- Put the cursor on the 'PP4M' folder.
- Import (in the ribbon near the top left)
- In the 'enquiry document' box click the three dots on the right then navigate to the folder you used to save the xml file and choose 'PP4M Identifying patients with multimorbidity.xml'. Open.
- In the box below this, enter the 'PP4M' folder.
- OK.
- Wait for a few seconds for it to finish importing

Running the search in Emis

Once you have imported the Emis search file, you will now have several searches and a report within your new folder.

- Click on the 'MLTC report'
- Click Run in the ribbon at the top.
- Wait for the searches to run and the "queued" text to change to show the number of patients. This usually takes about 15 minutes depending on the size of practice and speed of computer, but it sometimes gets 'queued' for several hours if Emis is busy.
- You can use this report to select patients for recall using a whole person approach
- You can see details of the patients selected and their conditions as follows:
- Highlight the report 'MLTC report'
- Click View Results (NB don't select 'Export results' at this stage)
- Export
- Choose the option 'csv' and don't check any of the other boxes. OK.
- Choose the folder where you wish to save the exported file

This will create a csv file called 'MLTC report.csv'

Using the Excel file to manage patients with multimorbidity

Now, in Excel, open the csv file you created in Emis – 'MLTC report.csv'

- Click on cell A1
- Press Ctrl-A to select the entire worksheet contents
- Press Ctrl-C to copy the entire worksheet contents
- Open the Excel file 'Patients with MLTC' that you downloaded earlier
- Select the 'Data Entry' tab
- Click in cell A1
- Press Ctrl-V and this will paste in all the data you copied earlier from the multimorbidity report file.
- Go to the 'Final report' tab

All of the patients on this file have multimorbidity. The spreadsheet shows which conditions each patient has, how these conditions are grouped into types, and how many different types of condition the patient has (see column AD).

Remember this only includes patients with at least 3 different types of condition, including at least one condition which benefits from at least annual review

If you wish you could edit the Emis search file to meet your own needs. For example, you might want to add a criterion that you want to initially focus on people who have had at least 10 consultations in the last year, as well as having multimorbidity. Or people who have had a hospital admission. Or you could use the Excel report 'Patients with MLTC' and select only the patients that have diabetes as well as multimorbidity.

Appendix: Conditions included in the Multimorbidity search

The conditions include:

- Chronic kidney disease (CKD)^a
- Heart failure^a
- Hypertension^a
- Coronary heart disease (CHD)^a
- Peripheral arterial disease (PAD)^a
- Atrial fibrillation (AF)^a
- Stroke
- Diabetes
- Current epilepsy^b
- Severe mental health^c
- Current depression^c
- Dementia
- Learning disabilities
- Rheumatoid arthritis
- Asthma^d
- COPD^d

^a These cardiovascular variables are grouped such that they only count once in the multimorbidity score.

^b The Current Epilepsy variable is calculated from people who have a code for Epilepsy but not a code for Epilepsy resolved

^c The Current depression variable is calculated from people who have a code for Depression in the last 12 months OR a code for a prescription for antidepressants (excluding tricyclics) in the last 3 months. If a patient has both depression and a severe mental health problem this just counts once in the multimorbidity score

^d The Respiratory indicator is calculated from several variables, such that the patient has a code for COPD OR (Asthma AND asthma treatment in the last 12 months)