



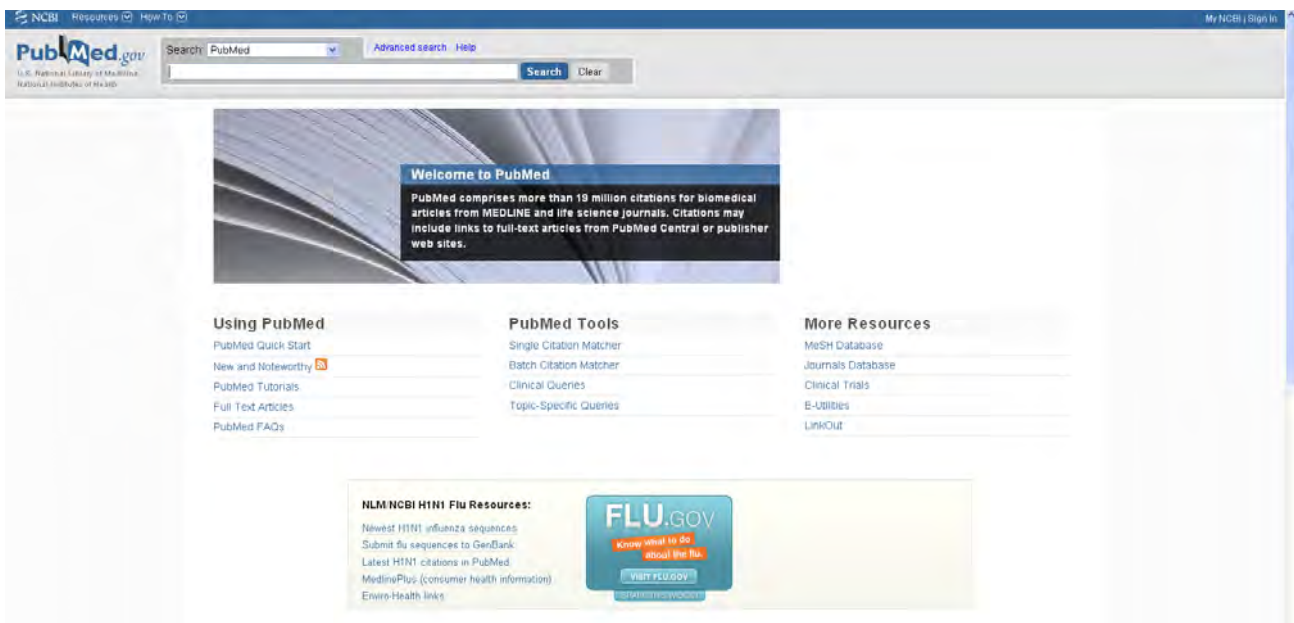
Medline on PubMed

Accessing PubMed

Go to the UTAS Library Homepage: <http://www.utas.edu.au/library>.

Under “Finding Information” click on “Databases” and select PubMed from the list.

PubMed has recently changed its interface. The new homepage provides links to tutorials, PubMed tools such as Single Citation Matcher and other resources such as the MeSH database.





Searching for references in PubMed

Keyword Search:

Click on Advanced Search and scroll down to apply Limits: publication date, age, etc.

- Type your search statement
- Boolean operators must be in upper case: AND, OR, NOT
- Click Go
- A list of references will appear

Click on display settings to change the display, to sort results differently and to choose the number of records per page

Printing or Saving Records

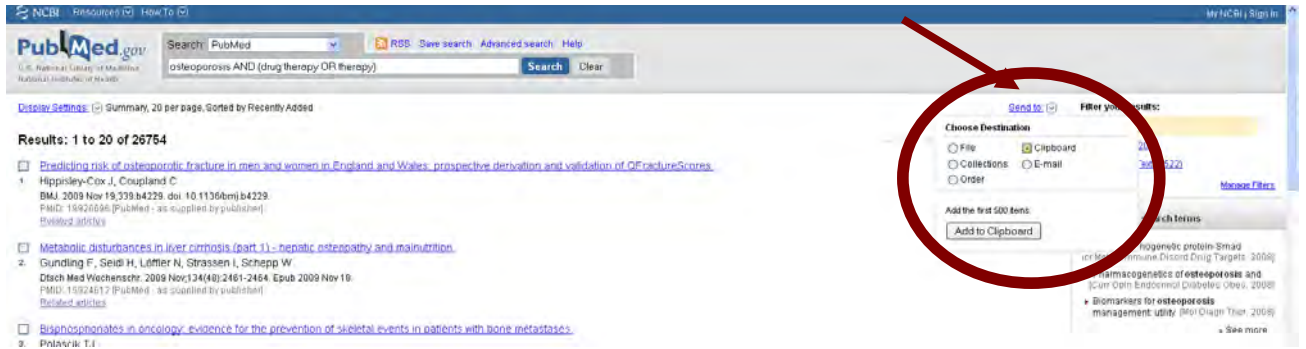
Clipboard

This function enables you to select records that you want to keep from a search result, then run further searches. You can continue to add records to the clipboard until you are ready to save or print records.

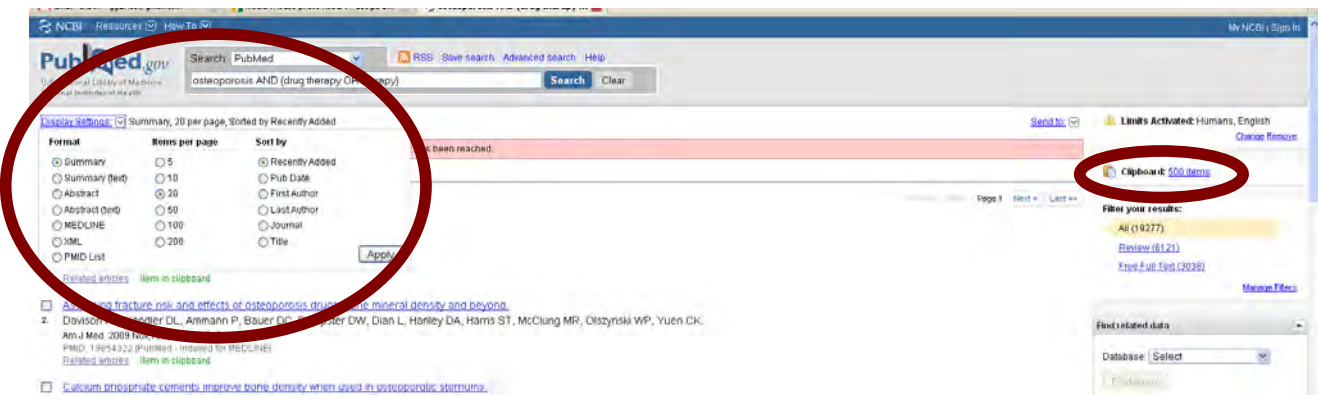
- Select the record that you want to send to the Clipboard (If you don't select anything PubMed will automatically send the first 500 results to the Clipboard)
- Click on the "Send to" drop down menu and select "Clipboard" and click on the "Add to Clipboard" button
- This will add the selected records



- Run further searches as required and repeat process (remember that the Clipboard will only hold a maximum of 500 records at one time)



- Click on Clipboard link to the right of the "Send to" drop down menu
- From the "Display Settings" drop down menu, select the appropriate format prior to printing your records.



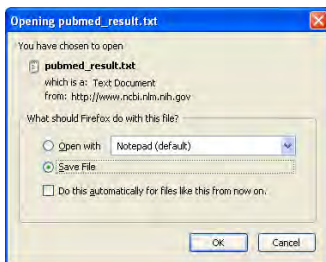
To print these records:

- Click on the Internet Explorer File menu and select "Print"



To Save these records:

- From the “Send to” drop-down menu, select “File”
- Select the format you require. If you are saving citations for EndNote change the format to “MEDLINE”.
- Select how you would like your citations sorted
- Click on the “Create File” button



- A file download window appears (depending on your browser you should get something like the windows above)

For Firefox:

- Select “Save File”
- Click OK
- The file will automatically be saved to the desktop

For Internet Explorer:

- Click on “Save”
- Select where you would like to save your file by navigating to the appropriate location
- Click on “Save”



Search Strategies

Effective search strategies are essential for finding relevant references on your topic. The search operators below will help in combining terms that reflect your topic.

Boolean Operators

AND

Narrow search and retrieve records containing all of the words it separates. Must be in uppercase.

OR

Broaden search and retrieve records containing any of the words it separates. The | can be used in place of OR. For example, mouse | mice | rat is equivalent to searching for mouse OR mice OR rat

NOT

Narrow search and retrieve records that do not contain the term following it.

()

Group words or phrases when combining phrases and to show the order in which relationships should be considered, e.g. (mouse OR mice) AND (gene OR pseudogene)

""

Phrase Searching. By using inverted commas you will be able to search for an exact phrase. For example "drug therapy"

*

Truncation. This expands a search term to include all forms of a root word. For example, patent* retrieves patent, patents, patented etc.



Combining Search Results

The search history function is accessible via “*Advanced Search*”. Break down your searches and combine the results from the search history:

- Run searches on aspects of your search topic
- Click on “*Advanced Search*”.
- A list of your current searches will be listed
- Combine the results from these searches by combining the numbers, for example, #3 AND #4

The screenshot shows the PubMed website interface. At the top, there is a search bar with the text "(#3) AND #4" and buttons for "Search", "Preview", and "Clear". Below the search bar, the "Advanced Search" section is visible, containing a "Search History" box. This box includes instructions on how to use search numbers and a table of recent searches.

Search	Most Recent Queries	Time	Result
#3 Search hayfever Limits: Humans, English		23:52:03	7100
#4 Search asthma Limits: Humans, English		23:51:51	25212
#3 Search osteoporosis AND (drug therapy OR therapy) Limits: Humans, English		23:27:11	35277
#4 Search osteoporosis AND (drug therapy OR therapy)		20:05:12	26754
pubmed / history		23:42:22	500



Using the Limit function

The limit function is accessible via the Advanced Search screen, scroll down the page to find it. It allows you to set limits by a number of variables such as publication type, age, language, gender, date, full text, journal title, author name. See the screenshot below.

- Select the variables you wish to use to limit your search and click Search

The screenshot shows a search filter interface titled "Limit by Topics, Languages, and Journal Groups". It contains several sections with checkboxes and dropdown menus:

- Full Text, Free Full Text, and Abstracts:** Includes checkboxes for "Links to full text", "Links to free full text", and "Abstracts".
- Humans or Animals:** Includes checkboxes for "Humans" (checked) and "Animals".
- Gender:** Includes checkboxes for "Male" and "Female".
- Type of Article:** Includes checkboxes for "Clinical Trial", "Editorial", "Letter", "Meta-Analysis", and "Practice Guideline".
- Languages:** Includes checkboxes for "English" (checked), "French", "German", "Italian", and "Japanese".
- Subsets:** Includes checkboxes for "Journal Groups", "Core clinical journals", "Dental journals", "Nursing journals", and "Toxicology".
- Ages:** Includes checkboxes for "All Infant: birth-23 months", "All Child: 0-18 years", "All adult: 19+ years", "Newborn: birth-1 month", and "Infant: 1-23 months".

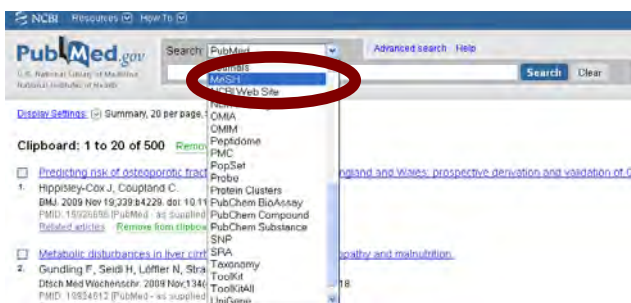
At the bottom of the form are "Clear All" and "Search" buttons.



Search by MeSH database

Searching the MeSH database enables you to narrow your search by using Medical Subject Heading (MeSH) terms that describe the concepts in the articles referenced.

- Click on the “MeSH” database link on the PubMed homepage or change the Search database drop down menu to “MeSH”



- Type in your search term e.g. osteoporosis and click Search
- On the results screen you will get a definition for osteoporosis
- Click on the search result to view more detail for this term
- You have the option to select to further restrict your search:
 - Restrict search to major topic headings only
 - Do not explode this term
- See sub-headings listed with tick boxes
- Tick subheading of interest to you and from the Send to drop down menu select as appropriate:
 - Search box with AND
 - Search box with OR
 - Search box with NOT



- Continue this process until you have added the search terms you would like – you will see the search terms build in the search window at the top of the screen

- Click on “Search PubMed”



Saving to EndNote

- Follow procedure to Save records on page 4 (make sure you have changed the format to "MEDLINE")

In Endnote

- Select Import from File menu
- In Import window, choose the file that you saved and select PubMed (NLM_utas) filter
- Click on Import button

More help can be found on the PubMed homepage

⇒ This helpsheet and other resources are available on the Library website at

www.utas.edu.au/library

⇒ Follow the links under training and help to "Helpsheets"