1) **Accessing the PubMed Database**

- Click on the *Databases* block located on the Halle Library’s main web page
- Using the alphabetic hyperlinks across the top, click on the letter *P*, scroll down to the *PubMed* database, and click on the *PubMed* link (EMU NetID may be required).

2) **Keyword Searching**

- In the long search box on the top of the *PubMed* page, type in the desired topic(s) and click on the *Search* button.
  
  *e.g.* #1 - **migraine headache**

- If the set of results retrieved is quite large, add another concept into the search to allow the results to be narrowed. The system will automatically intersect or **AND** the terms together.
  
  *e.g.* #2 - **migraine headache botox**

3) **Applying Filters & Limits**

*Help video:* [https://www.youtube.com/watch?v=696R9GbOyvA&list=PLBD13A2628C7A9965&t=0s&index=5](https://www.youtube.com/watch?v=696R9GbOyvA&list=PLBD13A2628C7A9965&t=0s&index=5)

**Important:** - Never click on the ‘Free full text’ filter or you will eliminate the additional full text results which the Halle Library owns.

- Run the search in the long search box on the main page (see e.g. #2 above).

- Limits can be applied from the results page once a search has been run. Limits are applied using the filters on the left side of the screen, i.e., *Article types, Publication dates, Species*, etc. More limits can be uncovered by clicking on the *Customize...* link located in most filters.

- A limit is applied by clicking on the item.

- Additional filter options are available by clicking on the *Show additional filters* link located at the bottom left side of the filters section. These options include, but are not limited to, *Languages, Sex,* and *Ages.*
All filters remain applied until you remove them by either clicking on the Clear All link located above the results, clicking on the Clear link next to each filter or by unclocking them individually.

4) **Viewing an Article Citation/Record**

- Click on the title of the article to view the citation/record
- Also note the Similar articles link on the right side of the screen

5) **Obtaining the Full Text of an Article**

- Click the green FindText+ icon located at the top right side of each record citation. Make sure the software pop-up blocker is turned off.
- See this page for further help: https://guides.emich.edu/c.php?g=611337&p=5313350

6) **Combing Sets and Topics**

- Click on the Advanced hyperlink located below the long search box at the top of PubMed’s main page. The current search session will be saved as long as the session has not been timed out or the browser has not been closed out.
- Decide which sets or topics to combine.
- Under the History section, see the column in the table labeled Search; each search in the session has been assigned a set number.
- Select the search set you wish to combine, and click on the word Add located in the column next to the set number, e.g., #12; notice that the set is sent directly to the search boxes above, and AND-ed/intersected together.
- Repeat this process with the next set selected.
- Click on the brown Search button.

7) **Online Searching Help Videos**

**Videos** – 2-3 minutes

- [https://www.youtube.com/playlist?list=PLBD13A2628C7A9965](https://www.youtube.com/playlist?list=PLBD13A2628C7A9965)
8) **Advanced Searching Using MeSH Headings** (Medical Subject Headings)

**Help video:**
https://www.youtube.com/watch?v=uyF8uQY9wys&t=0s&list=PLBD13A2628C7A9965&index=2

a) **Major Concept Subject Heading**

- Click on the MeSH database link located on the right side of the PubMed homepage
- Type in a single topic, e.g. #1 *migraine headache*
- Select the subject heading that most closely matches your topic and click on the hyperlink of that subject heading, e.g. *Migraine Disorders*
- When you click on that subject heading, notice the area called *Related Information* on the right side of the screen.
- Underneath *Related Information* notice the phrase *PubMed – Major Topic*. If this link is selected, PubMed will retrieve citations where *Migraine Disorders* is the focus of the articles retrieved. If *PubMed – Major Topic* is not selected, *Migraine Disorders* may be the focus of the article or may only be discussed a little bit.

b) **Exploding a Subject Heading**

- Scroll down the page and see what looks like an outline of words
- Using the example above, notice there are four terms indented under the phrase *Migraine Disorders*
- The term *Migraine Disorders* can be exploded which means that there are more specific terms listed under the larger heading. When a MeSH term is ‘exploded’, the results of the search will include articles which also discuss the terms indented under the heading above. PubMed will do this automatically unless the box in front of the phrase, “Do not include MeSH terms found below this term in the MeSH hierarchy” is checked. This box is located halfway down the MeSH page on the left. This is a way to broaden your search.
- Next, click on the *Add to search builder* tile on the right side of the page, then the *Search PubMed* tile.

c) **Subheadings**

- Under the subject heading, notice a list of words with boxes in front of them. These are subheadings which allow you to search for your topic in a more specific way. Using the example, *Migraine Disorders*, above - by checking the box in front of the word *blood*, the search will retrieve articles from PubMed that discuss the *blood* in *Migraine Disorders*. This is a way to narrow your search.

EBucciarelli 5/2018 (full)