# DClinPsy systematic review workshop exercises

## Exercise One: Search formulation frameworks

#### Complete a PICO for each example

A qualitative study examining the experiences of healthcare staff 12 months after their completion of an 8-week Mindfulness Based Stress Reduction course.

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| --- | --- |
| Population/problem |  |
| Intervention/indicator |  |
| Comparator |  |
| Outcome |  |

Quality of life in young adults with head injury living in nursing homes: a comparative study.

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| --- | --- |
| Population/problem |  |
| Intervention/indicator |  |
| Comparator |  |
| Outcome |  |

The transition from child and adolescent to adult services in eating disorders: a qualitative study of service user and carer perspectives.

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| --- | --- |
| Population/problem |  |
| Intervention/indicator |  |
| Comparator |  |
| Outcome |  |

## Exercise Two: The Cochrane Database of Systematic Reviews

Go to <https://www.cochranelibrary.com/advanced-search>. We will use the search manager tab to construct our search.

We’ll use the question, “What are the experiences of allied health professionals 12 months after completion of an 8-week Mindfulness Based Stress Reduction course?”.

1. Click the MeSH button
2. Type Allied Health Professional, then click Look up
3. Note that we have an Exact Term Match in the left-hand column. *Are there any other relevant thesaurus matches in the column?*
4. Select Allied Health Personnel and, given that we are interested in the specific types of AHP, select Explode all trees
5. Select Add/Edit search line
6. On line #2 type (“Allied Health Personnel” or “Allied Health Professional\*” or “AHP\*” or “Community Health Worker\*” or “Emergency Medical Technician\*” or “EMT” or “paramedic\*”):ti,ab [NOTE: in practice you should search for all specific types of AHP relevant to your research question. This is abbreviated for brevity]
7. Click Continue
8. On line #3 type #1 or #2, or type {or #1-#2}
9. Click the MeSH button and type mindfulness, then Look up
10. We again have an exact match. *Are there any other relevant thesaurus matches in the column?*
11. You will see in the MeSH Trees column that the thesaurus term Mindfulness has no child terms, so select Single MeSH term (unexploded), followed by Select
12. Click Add/Edit search line
13. On line #5 type (“mindful\*” or “cognitive therap\*”):ti,ab
14. On line #6 type #4 or #5
15. On line #7 type #3 and #6

## Exercise Three: Text mining

Load-up PubMed PubReMiner (<http://hgserver2.amc.nl/cgi-bin/miner/miner2.cgi>).

Search for mindfulness in the Fieldtype Title+Abstract and with an abstract limit of 7500.

## Exercise Four: Guided hands-on searching: Medline

Go to [www.gla.ac.uk/library](http://www.gla.ac.uk/library). On the Library search box, click ‘Databases’ > ‘Databases by name’. Type in Medline. Connect to ‘Medline (Ovid)’. Login with your GUID and password. Select ‘Ovid Medline and In-Process & Other Non-Indexed Citations’.

[NOTE: we will use the same search as exercise two for brevity. Ordinarily, one would use the processes outlined in exercises two and three to further develop the search.]

1. In the search box type Allied Health Professional, then click Search (ensure you have Map Term to Subject Heading ticked)
2. Click the hyperlinked thesaurus term, this will show you where the term sits in the tree structure
3. Tick the Explode box to the right
4. Click Continue at the top of the page
5. In a systematic review always Include All Subheadings, click Continue
6. In the search box type (Allied Health Personnel or Allied Health Professional\* or AHP\* or Community Health Worker\* or Emergency Medical Technician\* or EMT or paramedic\*).tw
7. Either tick the boxes to the left of 1 and 2 and select Combine with OR, or type or/1-2
8. In the search box type mindfulness (ensure you have Map Term to Subject Heading ticked)
9. Click the hyperlinked thesaurus term, this will show you where the term sits in the tree structure
10. Click Continue at the top of the page
11. Tick Include All Subheadings, click Continue
12. In the search box type (mindful\* or cognitive therap\*).tw
13. Either tick the boxes to the left of 4 and 5 and select Combine with OR, or type or/4-5
14. Either tick the boxes to the left of 3 and 6 and select Combine with AND, or in the search box type 3 and 6

## Exercise Five: Guided hands-on searching: PsycINFO

Go to [www.gla.ac.uk/library](http://www.gla.ac.uk/library). On the Library search box, click ‘Databases’ > ‘Databases by name’. Type in PsycINFO. Select PsycINFO (EBSCOhost).

1. In the search box type Allied Health Professional, then click Search (ensure you have Suggest Subject Terms ticked)
2. Note the different thesaurus terms for our population group. Click the hyperlinked thesaurus term, Allied Health Personnel, this will show you where the term sits in the tree structure
3. Tick the Explode box to the right
4. Click Add, followed by search
5. In the search box type Paramedics
6. Click the hyperlinked term
7. Tick the box to the left of the thesaurus term followed by Add, then Search
8. In the search box type ("Allied Health Personnel" or "Allied Health Professional\*" or AHP\* or "Community Health Worker\*" or "Emergency Medical Technician\*" or EMT or paramedic\*)
9. Select Title from the drop-down box.
10. Copy and paste the search terms into the second box, select Abstract from the drop-down box, change the Boolean operator to OR. Click Search
11. Tick the boxes to the left of 1, 2 and 3 and select Search with OR
12. In the search box type mindfulness (ensure you have Suggest Subject Terms ticked)
13. Click the hyperlinked thesaurus term, this will show you where the term sits in the tree structure
14. Select the thesaurus term and click Add followed by Search
15. In the search box type (mindful\* or "cognitive therap\*"), select Title from the drop-down box, copy and paste the search terms into the second box, select Abstract from the drop-down box and change the Boolean operator to OR. Click Search.
16. Tick the boxes to the left of 5 and 6 and select Search with OR
17. Tick the boxes to the left of 4 and 7 and select Search with AND