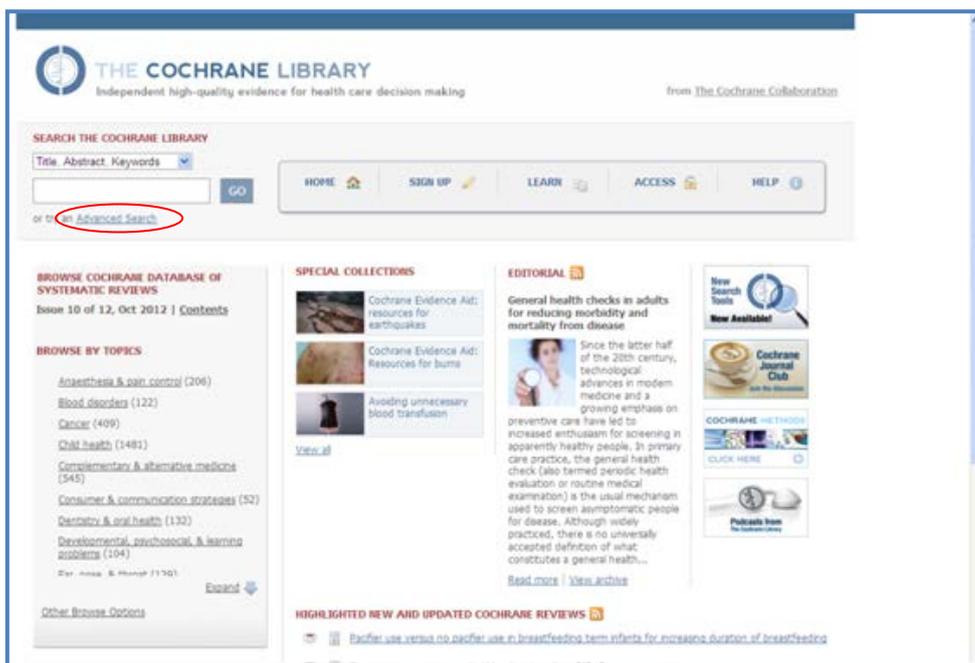


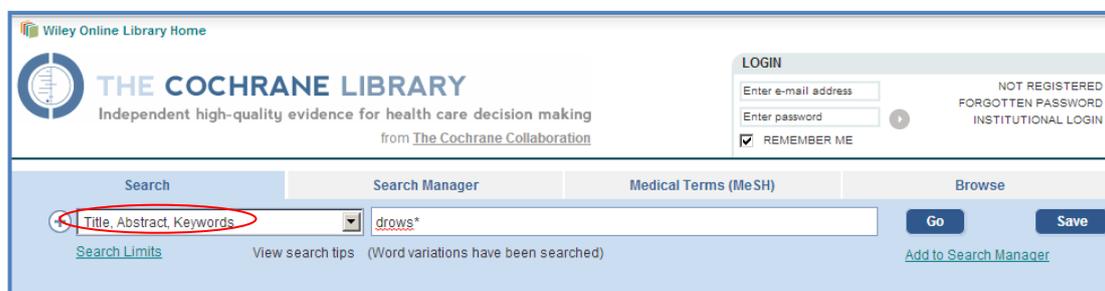
## Searching for studies in *The Cochrane Library*

This exercise can be completed alone or in pairs, and requires access to a computer with an internet connection. For this exercise, we will be searching the Cochrane Central Register of Controlled Trials (CENTRAL) for studies relevant to the review, 'Caffeine for daytime drowsiness'.

1. Open a web browser and go to [www.thecochranelibrary.com](http://www.thecochranelibrary.com).



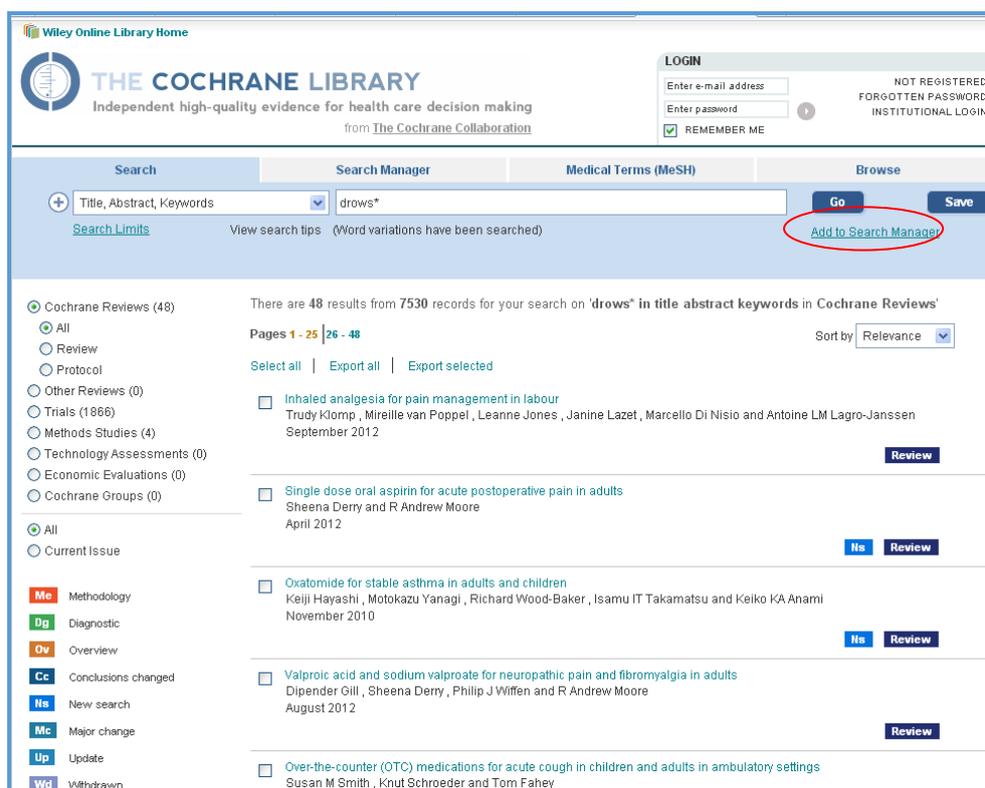
2. Click on **Advanced Search**. This will open the Advanced Search page.
3. The Population for this review is people with drowsiness. In the first row of the **Search** field, enter **drows\***. This truncation will find words such as drowsy and drowsiness.
4. From the drop down box next to the field, select **Title, Abstract or Keywords**.



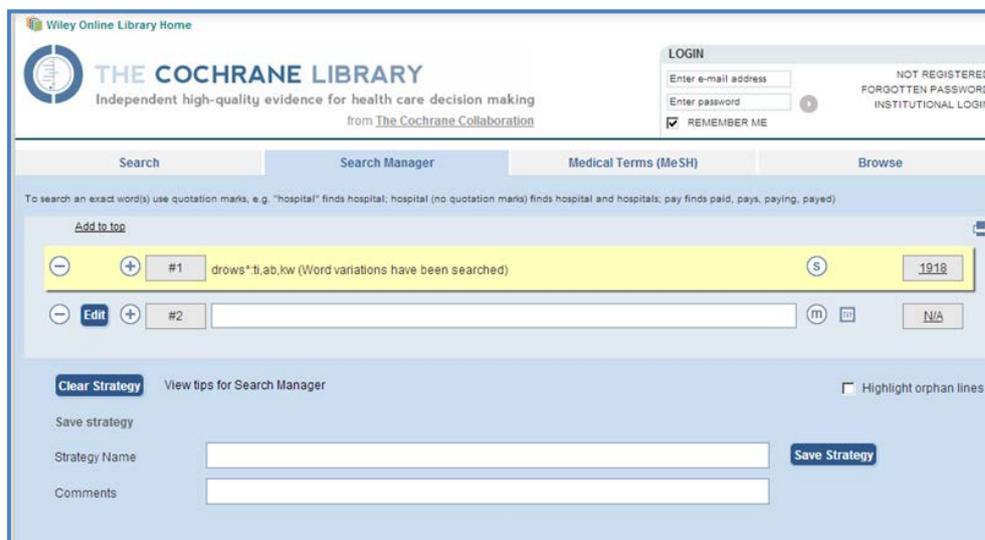
- 5.



Click **Go** to see you retrieved results. On the search screen that pops up click [Add to Search Manager](#)



6. This will open the **Search Manager** page.



### Questions

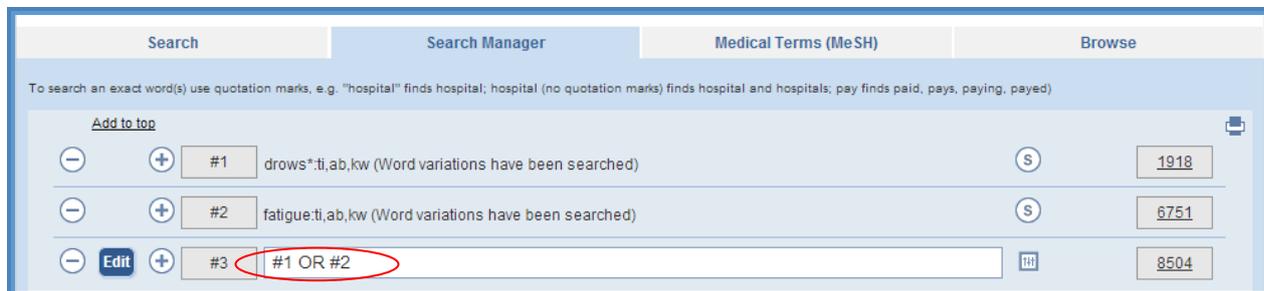
How many records did your search find?

Note: your answer may be different to the one shown in the picture.

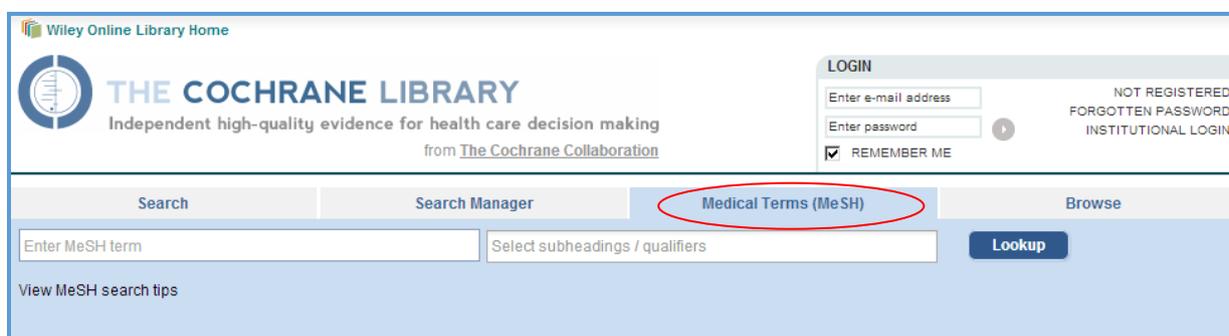
Can you think of alternate terms for drowsiness?

Consider synonyms, related terms, opposites, truncation, etc. List your suggested search terms here.

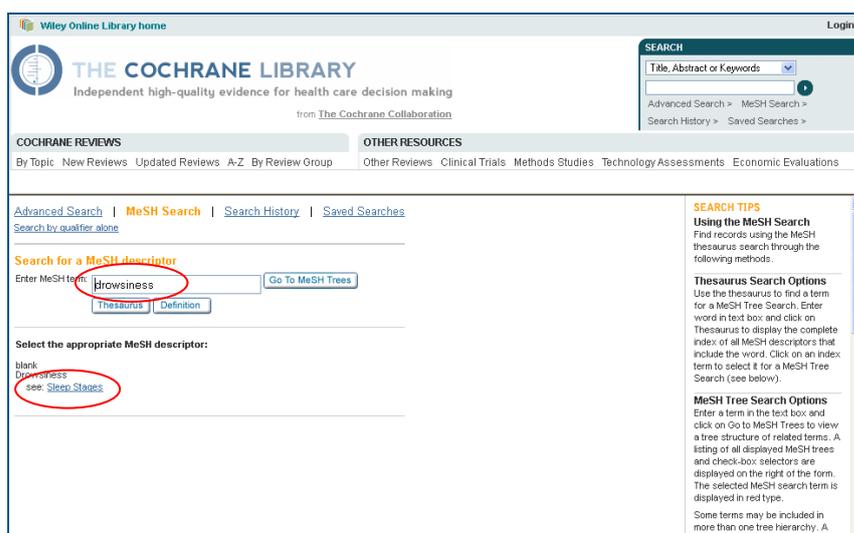
- To add additional terms to your search, click on the **Search** tab again. Repeat Steps 3 and 4, but click on **“Add to Search Manager”** instead of **“Go”** to build your search strategy.
- To combine searches, use the appropriate Boolean operator (AND, OR, NOT) and type in the row numbers that you want to combine.



- When all your terms for drowsiness have been added to the **Search History**, click the **MeSH Search** link at the top of the page.



- This will open the **MeSH Search** page. In the Search for a MeSH descriptor field, enter drowsiness. Automatically, the form will suggest terms; click on **“Drowsiness”**.



- Click the **Lookup** button.
- This will automatically map to Sleep Stages.

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LOGIN  
Enter e-mail address  
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FORGOTTEN PASSWORD ?  
INSTITUTIONAL LOGIN >

Search    Search Manager    Medical Terms (MeSH)    Browse

Sleep Stages    Select subheadings / qualifiers    **Lookup**

View MeSH search tips

**Definition**  
**Sleep Stages** - Periods of sleep manifested by changes in EEG activity and certain behavioral correlates; includes Stage 1: sleep onset, drowsy sleep; Stage 2: light sleep; Stages 3 and 4: delta sleep, light sleep, deep sleep, telencephalic sleep.

**Thesaurus matches**

**Exact Term Match**  
**Sleep Stages**  
Synonyms: Drowsiness; Drowsinesses.

**Phrase Matches**  
**Sleep Stages**  
Synonyms: Drowsiness; Drowsinesses.

**Any Word Match**  
**Sleep Stages**  
Synonyms: Drowsiness; Drowsinesses.

**MeSH trees**  
MeSH term - **Sleep Stages**  
 Explode all trees  
 Single MeSH term (unexploded)  
 Explode selected trees  
**Select**

Use the checkbox next to each tree to explode selected trees

**Tree Number 1**  
Psychological Phenomena and Processes [+12]  
  Psychophysiology [+16]  
    Sleep [+3]  
      Dreams  
      Sleep Deprivation  
      Sleep Stages [+1]  
      Sleep, REM

**Tree Number 2**  
Musculoskeletal and Neural Physiological Phenomena [+2]  
  Nervous System Physiological Phenomena [+13]  
    Nervous System Physiological Processes [+17]  
      Sleep [+2]

**Search results**  
There are **1419** results for your search on  
• MeSH descriptor: [Sleep Stages]  
• explode all trees

**Save search**    [Add to Search Manager](#)

Cochrane Reviews	0
Other Reviews	5
Trials	1413
Methods Studies	0
Technology Assessments	0
Economic Evaluations	1
Cochrane Groups	0

**View Results**

13. Clicking on the bolded word “**Sleep Stages**” will show you the definition of the term.

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INSTITUTIONAL LOGIN >

Search    Search Manager    Medical Terms (MeSH)    Browse

Sleep Stages    Select subheadings / qualifiers    **Lookup**

View MeSH search tips

**Definition**  
**Sleep Stages** - Periods of sleep manifested by changes in EEG activity and certain behavioral correlates; includes Stage 1: sleep onset, drowsy sleep; Stage 2: light sleep; Stages 3 and 4: delta sleep, light sleep, deep sleep, telencephalic sleep.

**Thesaurus matches**

**Exact Term Match**  
**Sleep Stages**  
Synonyms: Drowsiness; Drowsinesses.

**Phrase Matches**  
**Sleep Stages**  
Synonyms: Drowsiness; Drowsinesses.

**Any Word Match**  
**Sleep Stages**  
Synonyms: Drowsiness; Drowsinesses.

**MeSH trees**  
MeSH term - **Sleep Stages**  
 Explode all trees  
 Single MeSH term (unexploded)  
 Explode selected trees  
**Select**

Use the checkbox next to each tree to explode selected trees

**Tree Number 1**  
Psychological Phenomena and Processes [+12]  
  Psychophysiology [+16]  
    Sleep [+3]  
      Dreams  
      Sleep Deprivation  
      Sleep Stages [+1]  
      Sleep, REM

**Tree Number 2**  
Musculoskeletal and Neural Physiological Phenomena [+2]  
  Nervous System Physiological Phenomena [+13]  
    Nervous System Physiological Processes [+17]  
      Sleep [+2]

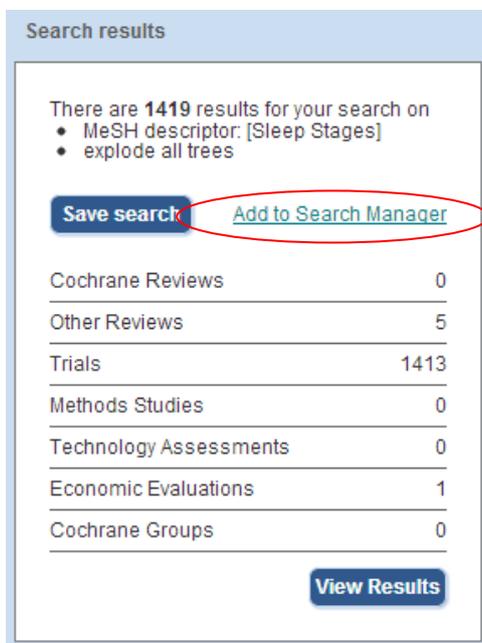
**Search results**  
There are **1419** results for your search on  
• MeSH descriptor: [Sleep Stages]  
• explode all trees

**Save search**    [Add to Search Manager](#)

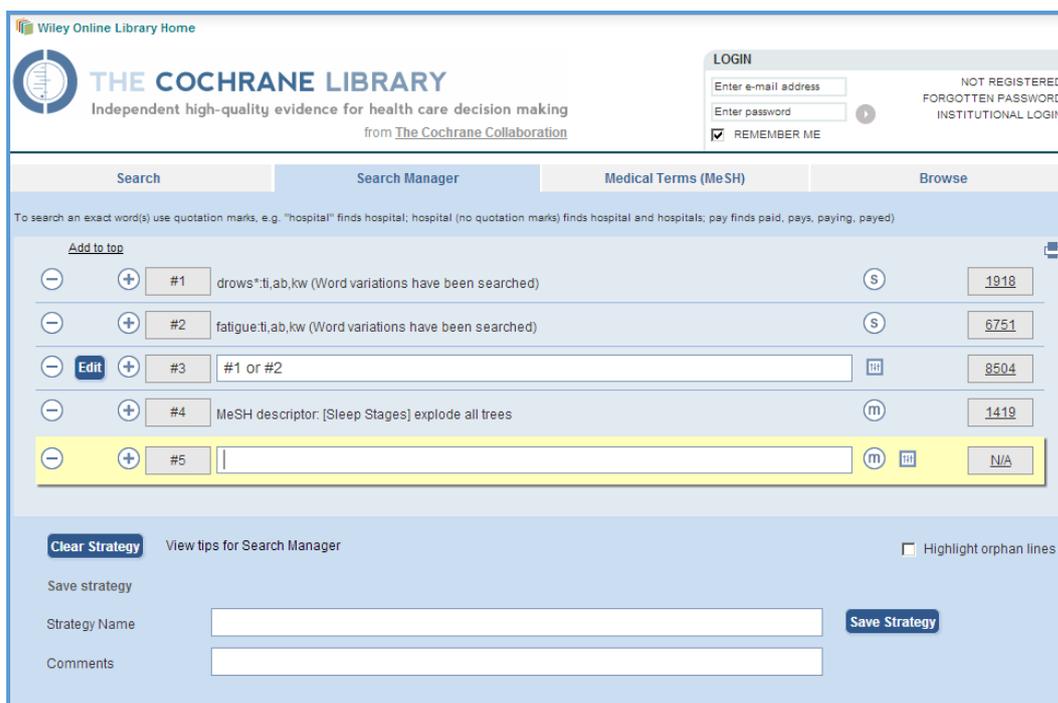
Cochrane Reviews	0
Other Reviews	5
Trials	1413
Methods Studies	0
Technology Assessments	0
Economic Evaluations	1
Cochrane Groups	0

**View Results**

14. Scroll down to see the MeSH trees (lists of narrower terms) for Sleep Stages. The checkboxes to the left allow you to choose whether to 'explode' the term or not (this means to search any narrower terms listed below your term on the trees, as well as your selected term). For this exercise, do not change the default selection.
15. Click the **Add to Search Manager** button.



16. This will return you to the **Search Manager** page. Scroll down to see that the MeSH term has been added to your search strategy.



17. In the **Search** field, combine your search terms together using the Boolean operator OR (e.g. by entering **#3 or #4**, including the row number for each of your search terms so far).

18. Click the **Go** button.

Questions	
How many records did your combined search for drowsiness find?	
The intervention in this review is caffeine. Can you think of search terms for caffeine? Consider synonyms, related terms, opposites, truncation, etc. List your suggested search terms here.	

19. Using the **Search Manager** and **Medical Terms (MeSH)** pages, enter your search terms for caffeine, following steps 3-18.
20. In the **Search Manager** page, combine your search terms for caffeine together using the Boolean operator OR.
21. In the **Search Manager** page, combine your search terms for drowsiness together with your search terms for caffeine using the Boolean operator AND (i.e. using the row numbers in which you combined each set of terms using OR in your search history).

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Search Search Manager Medical Terms (MeSH) Browse

To search an exact word(s) use quotation marks, e.g. "hospital" finds hospital; hospital (no quotation marks) finds hospital and hospital; pay finds paid, pays, paying, payed

Add to top View fewer lines

-	+	#1	drows*:ti,ab,kw (Word variations have been searched)	S	1918
-	+	#2	fatigue:ti,ab,kw (Word variations have been searched)	S	6761
-	Edit	+	#3	#1 or #2	8504
-	+	#4	MeSH descriptor: [Sleep Stages] explode all trees	M	1419
-	Edit	+	#5	#3 or #4	9728
-	+	#6	"caffeine":ti,ab,kw (Word variations have been searched)	S	1949
-	+	#7	"coffee":ti,ab,kw (Word variations have been searched)	S	575
-	+	#8	MeSH descriptor: [Caffeine] explode all trees	M	1301
-	Edit	+	#9	#6 or #7 or #8	2202
-	+	#10	#5 and #9		182
-	Edit	+	#11		N/A

Clear Strategy View tips for Search Manager  Highlight orphan lines

Save strategy

Strategy Name  Save Strategy

Comments

### Question

How many records did your combined search for drowsiness and caffeine find in total?

Note: your answer and the search terms used may be different to those shown in the picture.

22. Click on the underlined number in the final row of your search strategy. This will display your final search results.

#10 #5 and #9 182

23. By default, The Cochrane Library will display results found in the Cochrane Database of Systematic Reviews.

24. To see results found in CENTRAL, click the **Trials** link.

Cochrane Reviews (1)  
All  
Review  
Protocol  
Other Reviews (1)  
**Trials (179)**  
Methods Studies (1)  
Technology Assessments (0)  
Economic Evaluations (0)  
Cochrane Groups (0)

There is 1 result from 7530 records for your search on #10 - #5 and #9 in Cochrane Reviews in the strategy currently being edited

Sort by Relevance

Select all | Export all | Export selected

Caffeine for asthma  
Emma J Welsh , Anna Bara , Elizabeth Barley and Christopher J Cates  
August 2012

Review

Export selected

All  
Current Issue

Me Methodology  
Dg Diagnostic  
Dv Overview  
Cc Conclusions changed  
Ns New search  
Mc Major change  
Up Update  
Wd Withdrawn  
Cm Comment

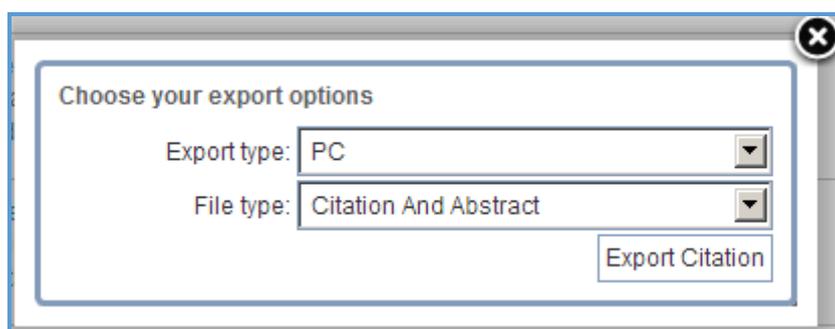
### Questions

How many records did your combined search find in the CENTRAL clinical trials database?

Note: your answer may be different to the one shown in the picture.

25. If you wish, you can export your results to your reference management software. Click the **Export all** button.

26. This will open an options screen. From the **Export Type** dropdown box, select **Abstract and citation**. From the **File Type** dropdown box, select the appropriate type for your computer (PC, Macintosh, Unix or Linux).



27. Click the **Export Citation** button.

28. This will allow you to save your results as a text file in the location of your choice, which can then be imported into your reference management software. You may need a filter to import records from The Cochrane Library – for more information, see the Cochrane Information Retrieval Group website at <http://irmg.cochrane.org/filters-reference-management-software-procite-reference-manager-and-endnote>.

**This concludes the exercise.**

Here is an example of a completed search strategy. Why not try building a search strategy for your own review question?

ID	Search
#1	<a href="#">MeSH descriptor Fatigue, this term only</a>
#2	<a href="#">MeSH descriptor Mental Fatigue, this term only</a>
#3	<a href="#">MeSH descriptor Arousal explode all trees</a>
#4	<a href="#">alert*</a>
#5	<a href="#">drows*</a>
#6	<a href="#">fatig*</a>
#7	<a href="#">(#1 OR #2 OR #3 OR #4 OR #5 OR #6)</a>
#8	<a href="#">MeSH descriptor Caffeine, this term only</a>
#9	<a href="#">MeSH descriptor Coffee, this term only</a>
#10	<a href="#">MeSH descriptor Tea, this term only</a>
#11	<a href="#">caffein*</a>
#12	<a href="#">coffee</a>
#13	<a href="#">tea</a>
#14	<a href="#">(#8 OR #9 OR #10 OR #11 OR #12 OR #13)</a>
#15	<a href="#">(#7 AND #14)</a>