Library Research Skills

Dimensions of Anaesthesia Nursing

92905
Wednesday 20 March 2013
2:00 pm- 3:30 pm

Kuring-gai Campus Library
Online Training Room

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Library Website

Right from the very front page of the Library Website you’ll see there’s a lot you can find out about the library. In this session we will show you how to find that essential information you’ll need for your assignments such as that found in books and journal articles.

Other features and services you’re likely to want to use from the library include:
- **MyLibrary** where you can Renew and check your loans;
- **Tabs** across the top (similar to UTS Website) showing options for different groups
- **Quick search/find spaces** to help you access the **Library catalogue** for a wide variety of resources and **Databases** which allow you to search for journal articles. There are also many online tutorials and subject guides which we’re developing all the time! Check the Help icon for more info about those:

**Helpful hint:** Use the **Search** option if you’re looking for a particular page or service

**Upcoming Events** is where we list all our library sessions – at least those which are held in the library!

There are lots more to explore too...
Library Catalogue and Find Articles

You can access the Library Catalogue directly from any page on the website where you see this space:

The UTS Library Catalogue just has one search space for all your searches.

It is particularly good for doing searches on your topic or for finding specific titles and UTS subject related material. There are many useful features, including Google books previews for some titles.

The library is currently trialling a new Find Articles Search which allows easier access to journal literature available via UTS Library. However, you should still find it preferable to use the traditional specialist health databases.

If you have any feedback about these services, please let us know!
Use the Feedback link in the top left corner.
Video Tutorials via YouTube – UTS Library Channel

Information Services Librarians in the library have been busy creating lots of online tutorials which demonstrate lots of different services we have in the library. These include specific database demonstrations, how to reference, finding books in the catalogue, exporting references to Endnote etc etc.

There are a few ways you can find them (including a simple Google search for UTS Library YouTube)

Here is a link which will also help: http://www.lib.uts.edu.au/tag/youtube

There is a “Nursing” playlist and a “Midwifery” playlist will be available soon! 
Finding Books from a Reading List

These are some typical books you might find in a reading list:


To find how you can obtain them, search any words from each title in the library catalogue: [http://find.lib.uts.edu.au/](http://find.lib.uts.edu.au/)

Once you find the item you’re looking for in the catalogue, see the “box” for the holdings information – Location, Call number and Availability Status. The call number is where you’ll find it on the shelf. Sometimes titles may be available online. If this is the case they will indicate with a link and say “Connect to online source”.

UTS: LIBRARY/2013/UTS CRICOSCODE 00099F
Getting books from the Library

If a book you want is not available on the shelf at your campus library (ie is out on loan, or is at another campus), you may request it by clicking “Request Item” towards the bottom of the screen. This takes you to MyLibrary.

Handy tip!: When available, you can also check the “Google Preview” to see whether the book is likely to have the information you are looking for ...

MyLibrary is part of the Library Catalogue and allows you to:

- Check and renew items you have on loan
- Request items which are only available from other campuses
- Request items which are on loan to other people (try BONUS too)
- Check items you have requested (on hold)

You will be notified by email when items you have requested are available for pick up. Please note that the library sends all notices to your UTS webmail. If you prefer to use another email address, you can redirect your UTS webmail to your preferred address. (Recommended)

BONUS+ is a lending scheme which allows you to access a wider range of books than which are available at UTS library. If a title you want is not currently available at UTS library, you can try clicking on the green symbol to see whether it is available for loan at one of the other Bonus libraries. See the Bonus page for more information http://www.lib.uts.edu.au/students/borrowing-and-membership/bonus

InterLending Requests: If you can’t locate a book or journal article you want via the library catalogue (or bonus), it may mean that UTS library doesn’t have it. In that case, make an Interlending Request. You will need to fill out an online form with the details of your article via this page http://www.lib.uts.edu.au/students/borrowing-and-membership/interlending-service
Finding Journal articles from a reading list

The following are some typical journal article citations:


Identify the journal title within each citation. *(Hint: these are usually in italics)*

Go to the Library catalogue [http://find.lib.uts.edu.au/](http://find.lib.uts.edu.au/) and type in the journal title...

Type in say, *International Nursing Review*, the journal title in the second article by Mora et al. Identify whether this is available in print or online – or both? Make sure you check what the library holds within each service as they can vary quite a lot! How many of these services have our article?

Click on the title and follow the links until you reach your article.

*The key to finding it is to note the Volume and issue numbers and page numbers.*
Journal Databases – Brief overview

There are many journal databases available through the library which can help you find journal articles on a particular topic. The following are just a few recommended databases for NMH students – there are many others too. Databases vary a lot in their coverage and strength on particular topics. eg, some are stronger on surgical and clinical topics while others are stronger on social and educational topics. Not every database will be suitable for every search. Use the library’s new Database Finding tool to help you locate the database you want. You can also save your own list of favourite databases in “My Databases”.

Cinahl (Cumulative Index to Nursing & Allied Health Literature) is a specialist Nursing database. Cinahl is an authoritative academic database and is compiled by a range of specialist researchers in US particularly, but also from around the world. It has approximately 15% of articles available in full text. However, many of the other articles may still be available through other sources via the library via SFX. Vendor or provider is EBSCO.

Medline (OVID or Ebsco) is a specialist medical database which is very clinical in nature. It is similar to Cinahl only it is designed for a wider range of medical professionals. It has approximately 15% of articles in full text, it has SFX links and like PsycInfo is provided by OVID.

PUBMED is a free version of databases which include Medline and is a useful alternative.

EMBASE (Ovid) the Excerpta Medica database, produced by Elsevier Science, is a major biomedical and pharmaceutical database indexing over 3,500 international journals in the following fields: drug research, pharmacology, pharmaceutics, toxicology, clinical and experimental human medicine, health policy and management, public health, occupational health, environmental health, drug dependence and abuse, psychiatry, forensic medicine, and biomedical engineering/instrumentation.

PsycINFO (OVID) is a specialist psychology and psychiatry database maintained by the American Psychological Association. It is well indexed with its own controlled subject thesaurus and provides systematic coverage of the psychological literature from the 1800s to the present. Only a small number of articles are provided in full text by the database, but many articles will be available via SFX. PsychInfo is provided by OVID.

Wiley Interscience and ScienceDirect (Elsevier) are two different multidisciplinary databases which include many useful academic health resources.

Academic Search Complete (Ebsco) is a very strong multidisciplinary database.

SCOPUS and Web of Science are both a multidisciplinary database which are often used for citation analysis.

Google Scholar is a subset of Google (and freely available) and while it is not recommended as your primary database, it can be useful for a range of reasons: May help to fill in gaps, good for verifying incorrect citations, sources articles and books. It is possible to use library links (access via the library databases list) and you can export citations to Endnote and Refworks (although quality of reference information can vary greatly and you can’t export the abstracts like you can from other databases). Log into Google Scholar via the library’s “Find Databases” page to get access to the UTS Library Links.
Choosing the right database and developing a search strategy

UTS Library subscribes to many different databases and the ones listed on the previous page are most of the major ones you are likely to use. However, you need not limit yourself to these especially if you need to undertake a comprehensive literature review for your research.

There are many different types of databases:

- general and subject specific
- academic and commercial

General or multidisciplinary databases include Academic Search Premier, Expanded Academic ASAP, Science Direct, Wiley InterScience. These are often aggregated databases or publishers’ sites – that is, the means for making their content available online. Level of indexing is varied and especially the aggregated databases may include a wider variety of literature.

Subject specific databases such as PsycINFO, CINAHL, Medline and Maternity and Infant Care are usually compiled and maintained by academic research organisations (eg APA, National Library of Medicine) and may be provided by a commercial vendor. These databases often have good quality indexing and journals represented are usually peer reviewed.

No single database will have all the articles on your topic and the number articles you can retrieve from each may also depend on the search terms you choose. Finding the right terms might be as simple as picking out major words from your topic – or PICO sentence. But sometimes there may be other words which are used for the same concepts (eg: DVT, deep vein thrombosis, venous thrombosis, blood clot etc). This is important to consider especially when searching in databases without a controlled thesaurus (like PsycINFO, CINAHL and Medline all do) as different articles may well use different words for the same concept.

**Suggested topic:** Patient safety and risk management are key concerns because of the nature and number of surgical and anaesthesia adverse events (AEs). eg: anaphylaxis during anaesthesia.

Identify the keywords (underlined above) then try to think of similar or related words which might also locate useful information for your assignment. I’ve thought of a few here, I’m sure you could think of more:

<table>
<thead>
<tr>
<th>Keywords</th>
<th>Related words and phrases</th>
</tr>
</thead>
<tbody>
<tr>
<td>anaphylaxis</td>
<td>General anaesthesia</td>
</tr>
<tr>
<td>Patient safety</td>
<td>Accident prevention</td>
</tr>
<tr>
<td></td>
<td>Medical errors</td>
</tr>
</tbody>
</table>

When there is a controlled thesaurus, the hard work of bringing those articles with the various terms for the same concept together is largely done for you. Each article is indexed with the major subject terms or headings (sometimes also called Descriptors) which are chosen from a thesaurus. This ensures all articles on a topic should have a common subject heading.
Worked Example 1 – CINAHL (Ebsco)

Before you start your search in a database, spend some time looking at your assessment topic. Underline or write down the key concepts you need to find. This will form the basis of what you search – or look for – in the database.

Search Topic: Patient safety and risk management are key concerns because of the nature and number of surgical and anaesthesia adverse events (AEs). eg: anaphylaxis during anaesthesia.

<table>
<thead>
<tr>
<th>Step</th>
<th>Action</th>
</tr>
</thead>
</table>
| 1    | Go to the library home page: [http://www.lib.uts.edu.au/](http://www.lib.uts.edu.au/)  
Click on “Find Databases” |
|      | Select “Health” in the left box in the Databases finding tool, then select “top Health databases”, “CINAHL” will be one of the databases in the resulting list. |
| 2    | Once you’re in the database, ensure that “Suggest Subject Terms” is ticked and type in the first term then hit “Search”… |
|      | This will result in the following screen which is offering a list of possible subject terms to choose from: |
Click on “Scope” to get more information about the heading. For instance, Anaphylaxis….check whether will this be a relevant heading for this search?

If yes, select the heading you want – and you will see some changes on the screen. The blue column of subheadings appear which you can choose from if appropriate. Be aware that this may unnecessarily restrict your results. In most cases, especially when you don’t know how many hits you’ll get, it is better to simply skip over to the, now green, “Search Database” button.

3. This will retrieve a good range of results (about 1,722) which are too many to look at. However, you can be more specific if you add another term – eg anaesthesia...
This ‘maps’ to several related headings. Try to identify the most relevant.

**Tip:** If you see multiple headings which could be related to the overall topic in different ways, DO NOT be tempted to select those which are not similar in meaning. This is likely to give you meaningless results!

I ticked two – Anesthesia Nursing and Anesthesia, General. (Note spelling!!). Then click on Search Database at the top. That retrieves over 4000 articles.

You will see that your Search History is displayed automatically on the next page (or below):

Combine your searches so far by ticking the box against S1 and S2 then select “Search with AND”

4. This results in 28 articles – which isn’t too many to scroll through. However, you should also consider recency of the articles and so you can further limit your results to publication year. Use the year ‘slider’ down on the left of the screen – if it appears. With small sets, some of the “Refine your results” options disappear.
If you ever do a search with a larger number of hits there are a couple of options for limiting your search further:

Look down the left hand side of the screen. The database is structured to offer you possible limits within your current set of results. For instance the *subject headings* offered are those most often found in this set. *Age limits* might be available too.

5. But there are still more limits you can try in this database.
   To find them, select “Show more” which can be found in the right hand column besides the list of results.

![Search Options](image.png)

You may wish to limit to “Peer Reviewed” journals, year of publication, Age groups etc. Just don’t choose too many as you may end up with too few results. To select more than one from the list hold down the *Control button* on your keyboard as you select.
Alternatively of selecting “Show More”, try some of the limits offered down the left hand side of the screen. Most effective is the Date slider (click and drag the left end to change the date range of the set of articles).

6. Scroll through the results and try to identify articles which might be relevant for what you are looking for. Sometimes a full text or PDF link will appear in the list. If that’s the case you can simply open it.

To see if we have the *full text* of anything in the list, click on “Check SFX for availability”. The
resulting pop-up screen will indicate if there are any other options for full text available in other databases available through the library. Click on the link and another screen will pop up and should take you directly to the article in the new database. If there are no “Full text” options appearing, you may need to find another article (or request via Interlibrary Loan).

7. **Organising your results:**
You can select the articles you want to investigate further later as you scan down the list by selecting where it says “Add to folder”. Once you’ve been through the list you can view all your selections in one list by clicking “Folder View” under “Folder has items” on the right side of the screen. Alternatively go to the very top of the page and click on where it says “Folder”. A list of your selections will appear. From this screen you can save, print, email or export (to Refworks or EndNote) your results.
If you want to keep your search for a later occasion, you can set up a personal account in Ebsco – click on where it says “Sign in” at the top of the page, and select “Create a new account”
## Worked Example 2 – Medline (OVID)

Before you start your search in a database, spend some time thinking about your topic. What are the major concepts? Are there synonyms for these concepts? How are your concepts likely to be described in the journal literature?

Search Topic: Management of Adverse events incorporating patient safety

Search for each concept separately – and then combine the results.

<table>
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</tr>
</thead>
</table>
| 1    | Go to the library home page: [http://www.lib.uts.edu.au/](http://www.lib.uts.edu.au/)  
Click on “Find Databases”  
Select “Health” in the left box in the Databases finding tool, then select “Nursing” (or any of the subheadings). “Medline (OVID)” will be one of the databases in the resulting list. |
| 2    | Once you’re in the database (which defaults to the “Advanced Search”) and ensure the “Map term to subject heading” box is ticked (also a default). Start by typing in “adverse events” and then Search:  
This takes you to another screen which lists any related Subject headings for you to choose from. There is no heading in Medline for ‘adverse events’ as such, but perhaps “postoperative complications” may (or may not) be appropriate for your focus. |
Tick your selection and then click on “Continue” - and then Continue again...

This should take you back to the original screen, but will list some results. Don’t look at them yet!! Instead, click on the words “Search History” towards the top left of the screen:

This will allow you to see the first line of your search history.
Now we’re ready for the second concept: Patient Safety – type it in the search space and hit enter:

This will result in the next screen: In this case, there is an exact match...

Select the best heading and hit “Continue”, and unless you want to limit by the following subheadings, hit “Continue” again.
3. This will take you back to the original screen again, but this time there will be two lines in the Search History. Select both and combine with AND.

4. Now there are 82 results ... try scrolling through to see if they are relevant. Is there another more specific thing you want to look for? Try searching for it, perhaps instead of ‘Patient Safety’?

5. You may also wish to limit your search in a number of ways using the “Additional Limits”

   There are quite a few available via the “Additional limits” (under the search box):

   There are several useful options such as:
   - Last five years (2008-2013)
   - Peer reviewed journal
   - Age groups (particularly if you’re dealing with specific groups like aged, or children)

   But you will find all sorts of options relating to Research, publication types, Language, etc.

   **Just don’t limit to Full text!!!** There are so few full-text articles, you will certainly miss out on some great articles available elsewhere.

   Also, don’t set too many limits as you may find you end up with too few results. If that happens, go back and unselect some limits.

   If there is another concept you want your article to include, try searching for it and combining it with your set. That will narrow your search as well.

6. Once you have set some limits, hit search and then scroll through your results to see what you have found. You can click on “View Abstract” to see more information about any which look relevant and click on SFX to see if we have the item elsewhere in Full text. You will notice a few with PDFs – which is the Full text.
More Search tips

Using Boolean Connectors

After entering your keywords and phrases as separate searches you can combine your searches using Boolean connectors: AND, OR and NOT.

Use **and** between two or more terms to retrieve only those results which contain all of the terms, i.e. the darkest shaded area in the centre of the image below.

**AND**

Use **or** between synonyms to retrieve all results for every term that is entered.

**OR**

Use **not** between two terms to retrieve only those results which contain the first term and not the second term.

**NOT**
More Search tips (continued)

Using Truncation
Use truncation to find any ending after the truncation symbol,*.
E.g.  midwi* will retrieve:
midwife
midwifery
midwives

E.g.  disab* will retrieve:
disable
disabled
disability
disabilities

Using Wildcards
Wildcards replace one or no characters within a word wherever the wildcard is placed.
E.g. wom?n retrieves woman or women
orthop?edic retrieves orthopaedic or orthopedic

TIP:  Depending on the database, often wildcards need two letters before the wildcard in order to work, so the examples f?etus and p?ediatrics usually won’t work.

Check spelling variations
Check for spelling variations and alternative language. Sometimes English and American spelling differs. E.g. foetus/fetus, breastfeeding/breast feeding.

Use Limit fields
Many databases provide useful limit fields to help you build your search. E.g. limiting by publication year enables you to retrieve only the latest, most up-to-date information. Note that CINAHL has an especially extensive range of limit fields.

Don’t limit to full text: Limiting your search to full text may be tempting but it will actually prevent the very useful SFX tool from working. If full text is not available in the database you’re using, click on the symbol to see if full text is available in another database.
RefWorks vs Endnote

RefWorks and EndNote are software services that will assist you to collect, store, organise and use your references. Both are supported by the library and special training sessions for each are available.

EndNote has been widely adopted by many academics and students at UTS, but RefWorks is proving to be worth considering. There are advantages and disadvantages for each including:

EndNote
- Needs to have software downloaded
- Write and Cite works very well
- PDFs can be added to each record
- Can convert RefWorks libraries into EndNote

RefWorks
- Online – no software to download except for Write and cite add in. Also means it’s easily transferable - easily used on multiple computers and you don’t need to carry your library around on a USB stick or worry about version control.
- Can link with SFX
- Can convert EndNote libraries into RefWorks
- It’s easier to share libraries on RefWorks than on EndNote.

Online tutorials and manuals for both are available via the Library website – or the UTS Library’s YouTube channel.

There are classes arranged at both City and Kuring-gai campuses each semester and you can get information about them at this page:

https://www.lib.uts.edu.au/events/tag/endnote
https://www.lib.uts.edu.au/events/referencing

To book, click on one of the headings and select “Register to Attend”.