
Objectives

1. Determine if Boolean Operators are needed.
2. Select the correct Boolean Operator.
3. Decide if the use of Explosion is appropriate for a search.
4. Determine if limits are needed.
5. Select the appropriate limits.

Scenario

In class today, the instructor assigned oral group presentations. My group's topic is patient cooperation with health care professionals and the effect that it has on the relationship between adult patients and health care professionals. I am responsible for doing a literature search on the topic. The assignment requires that the research be written in English, come from refereed journals, and published from 2005 to the present.

Search Process

STEP 1: First take your information need and create a search statement about it.

"I am looking for research articles in refereed journals that are written in English about adult patients, and published in 2005 or more recently, about patient cooperation and its effect on the relationship between adult patients and their health care professionals."

STEP 2: Identify the important concepts in your search.

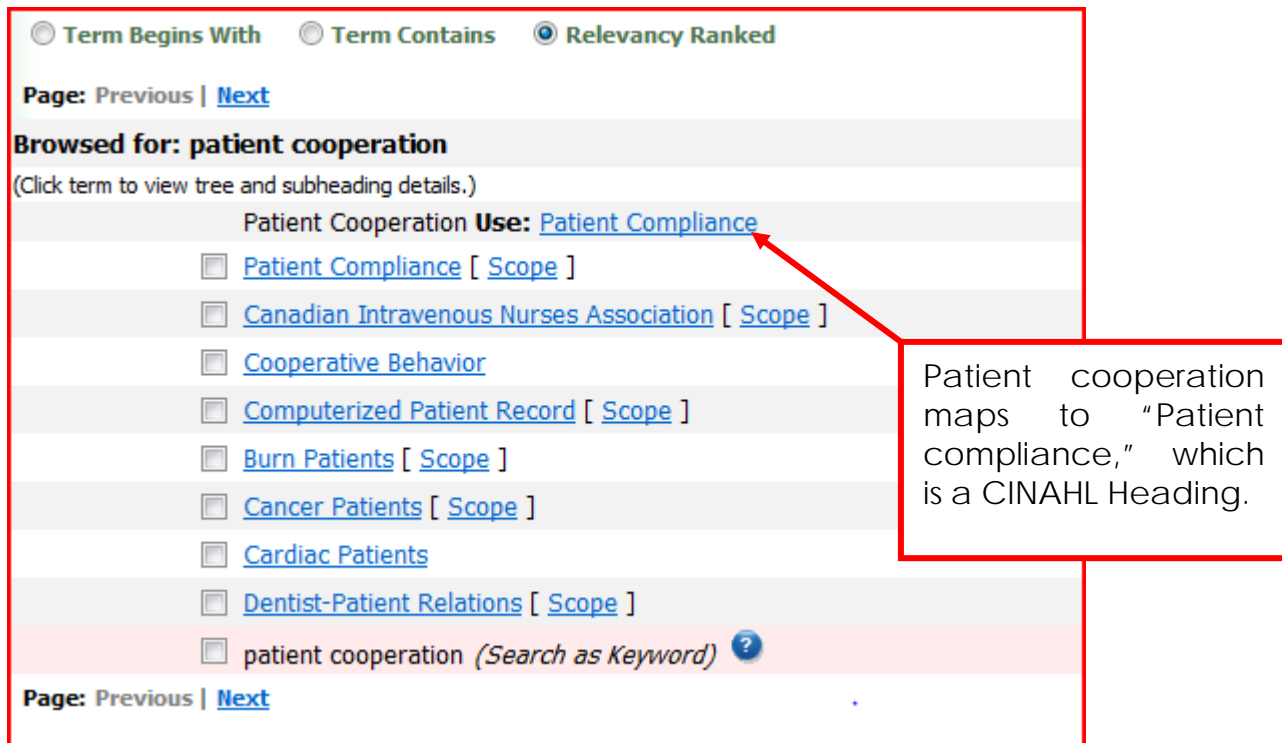
"The main concepts are patient cooperation and patient relationships."

STEP 3: The next step is to use CINAHL Headings to identify the best Subject Headings.

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Select **CINAHL Headings** and do a search to identify a subject heading for “patient cooperation”. The results of that search are shown in the box below.




The screenshot shows a search interface with three radio buttons: "Term Begins With", "Term Contains", and "Relevancy Ranked" (selected). Below are navigation links "Page: Previous | Next". The search results are titled "Browsed for: patient cooperation" with a note "(Click term to view tree and subheading details.)". The results list several terms, each with a checkbox and a "Scope" link. A red arrow points from a callout box to the "Patient Compliance" entry. The callout box contains the text: "Patient cooperation maps to 'Patient compliance,' which is a CINAHL Heading." The "patient cooperation (Search as Keyword)" entry is highlighted in pink and includes a question mark icon.

Term Begins With Term Contains Relevancy Ranked

Page: [Previous](#) | [Next](#)

Browsed for: patient cooperation
(Click term to view tree and subheading details.)

- Patient Cooperation **Use:** [Patient Compliance](#)
- [Patient Compliance](#) [[Scope](#)]
- [Canadian Intravenous Nurses Association](#) [[Scope](#)]
- [Cooperative Behavior](#)
- [Computerized Patient Record](#) [[Scope](#)]
- [Burn Patients](#) [[Scope](#)]
- [Cancer Patients](#) [[Scope](#)]
- [Cardiac Patients](#)
- [Dentist-Patient Relations](#) [[Scope](#)]
- patient cooperation (*Search as Keyword*) 

Page: [Previous](#) | [Next](#)

Then, select “Patient Compliance” by clicking on the term and review the **Scope, Related** and **Used For** sections to decide if this is the best **CINAHL Heading** to use. Examine the Tree Views to determine if there are more specific terms indented beneath Patient Compliance that should be included in the search. In this example medication compliance is listed and it should be included. Click in the box in front of **Explode** to include medication compliance.

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The screenshot shows the CINAHL Headings interface. At the top, there are navigation links for "Previous Term", "Next Term", and "Back to List". Below this is a search input field and a "Browse" button. Three radio buttons are present: "Term Begins With", "Term Contains", and "Relevancy Ranked". The "Patient Compliance" heading is selected. On the left, there are "Tree Views" for various categories like "Behavior and Behavior Mechanisms", "Psychology, Social", "Life Style", "Health Behavior", "Coronary Prone Behavior", "Patient Compliance", "Medication Compliance", and "Treatment Refusal". On the right, there are search options: "On Search:" with "Explode" (checked) and "Major Concept" (unchecked); "Qualify Subheadings:" with a "Clear Selections" button and a list of subheadings including Classification, Drug Effects, Education, Ethnology, Ethical Issues, Epidemiology, Evaluation, Familial And Genetic, History, Legislation And Jurisprudence, Prevention And Control, and Trends. A "Scope:" section explains that "Voluntary cooperation of the patient in following a prescribed regimen. MEDICATION COMPLIANCE is also available for compliance with drug therapy or regimen. Use for discussion of non-compliance also." Below that is a "Related Headings:" section with links to various related terms like "Health Care Supervision (Omaha)", "Noncompliance (NANDA)", etc. A red callout box with an arrow pointing to the "Explode" checkbox contains the text: "Select **Explode** and then the Search Database button."

Click on the **Search Database** button and this will complete the search for the first concept.

To identify the second concept of patient or professional relationships repeat the process. Search **CINAHL Headings** to identify the second concept – the relationship between patients and health care professionals. Enter either "Patient relations" or "Professional relations" since they will both map to professional patient relations.

The screenshot shows the search results for "professional relationships". At the top, there is a search input field and a "Browse" button. Below this are radio buttons for "Term Begins With", "Term Contains", and "Relevancy Ranked". The "Page:" is "Previous" and "Next" is available. The search term is "professional relationships". Below the search term, there is a list of results with checkboxes and "Scope" links: "Professional-Family Relations [Scope]", "Professional-Patient Relations [Scope]", "Professional-Student Relations [Scope]", "Professional-Client Relations [Scope]", "Dentist-Patient Relations [Scope]", "Interinstitutional Relations [Scope]", "Duty to Warn [Scope]", "Faculty Development [Scope]", "Hong Kong Radiographers' Association [Scope]", and "professional relationships (Search as Keyword) ?". A red callout box with an arrow pointing to the "Professional-Patient Relations" link contains the text: "Professional-Patient Relations seems to be the most appropriate subject heading so click on the link to view the complete subject heading."

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Review the listing of subject heading to determine if there is a match for the concept that you are interested in by reviewing the **Scope**, **Related** and **Used for** Sections. Also check to see if the subject heading can be **exploded** and if you want those more specific terms in your search.

Do any of the **CINAHL Headings** listed express the concept that we are searching for? Yes! "Professional patient relations" is the best choice since we did not specify what professional role we are looking for information about.

Professional – Patient relationships can also be **Exploded** to include the more specific dentist-patient, nurse-patient and physician-patient relations. CINAHL indexes to the most specific so in order to include all of these groups Professional – Patient relationships must be **Exploded** or each concept must be added individually.

The image shows a screenshot of a CINAHL heading. On the left, a red-bordered box contains the heading **Professional-Patient Relations** with a plus sign to its right. Below it are six blue underlined links: [Dentist-Patient Relations](#), [Nurse-Patient Relations](#), [Physician-Patient Relations](#), [Professional-Student Relations](#), [Researcher-Subject Relations](#), and [Student-Patient Relations](#). A red arrow points from the plus sign to a second red-bordered box on the right. This second box contains the text: "Professional patient relationships can be exploded to include specific professional groups."

After clicking in the **Explode** box click on the **Search Database** button.

Now you have the results of two separate searches which need to be combined. To combine the searches click on the **Search History/Alerts** link to view a list of all the searches completed in this session. Next, click on the **Clear** button to clear the search box. To select the searches that you wish to combine place a check in the box in front of them and select the correct Boolean operator (AND, OR, NOT) and click on the **Add** button. When the search numbers have been added to the search box, click on the **Search** button to run the search. Since the sets were combined with AND the number of citations should be equal to or less than the number of items in the smallest search set.

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[Search History/Alerts](#)

Searching: **CINAHL** | [Choose Databases >](#)

Suggest Subject Terms

(MH "Professional-Patient Relations+") in

and in



and in [Add Row](#)

[Advanced Search](#) | [Visual Search](#) | [Search History/Alerts](#) | [Preferences >](#)

Search History/Alerts

[Print Search History](#) | [Retrieve Searches](#) | [Retrieve Alerts](#) | [Save Searches / Alerts](#) | [Clear Search History](#)

Combine searches with:

Add to Search	Search ID#	Search Terms	Search Options
<input type="checkbox"/>	S2	 (MH "Professional-Patient Relations+")	Search modes - Boolean/Phrase
<input type="checkbox"/>	S1	 (MH "Patient Compliance+")	Search modes - Boolean/Phrase

You can use the **Revise Search** link to narrow your search results to **research articles** from **peer reviewed** or refereed journals written in **English**, about **adult patients**, and written after **2005**.

<input type="checkbox"/>	S3	 S2 and S1	Search modes - Find all my search terms	View Results (1120) Revise Search View Details
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Limit your results

References Available

Abstract Available

Published Date from: Month: Year: to Month: Year:

Research Article

Clinical Queries:

- Therapy - High Sensitivity
- Therapy - High Specificity
- Therapy - Best Balance

Number of Pages:

Language:

- Chinese
- Dutch
- English
- Finnish

Pregnancy

Outpatients

Special Interest:

- Advanced Nursing Practice
- Case Management
- Chiropractic Care

Journal/Magazine:

Publication Year from to

Author:

Peer Reviewed

Exclude MEDLINE records

Journal Subset:

- Africa
- Allied Health
- Alternative/Complementary Therapies

Publication Type:

- Abstract
- Accreditation
- Algorithm

Gender:

- Female
- Male

Inpatients

Age Groups

- Child, 6-12 years
- Adolescence, 13-18 years
- Adult: 19-44 years
- Middle Age, 45-64 years

When you have made all of the selections, click on the search button near the top of the page to re-run the search with the new limits.

Now you have combined the searches and limited the results to **articles published after 2005**, from **peer reviewed** journals that report **research** written in **English** about **adults** ages 19 - 44.

<input type="checkbox"/>	S4	S2 and S1	<p>Limiters - Publication Year from: 2005-; Peer Reviewed; Research Article; Language: English; Age Groups: Adult, 19-44 years</p> <p>Search modes - Find all my search terms</p>	<p>View Results (94)</p> <p>Revise Search</p> <p>View Details</p>
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