



(<http://gateway.nlm.nih.gov>)

Introduction

What?

- Allows you to simultaneously initiate searches in multiple NLM retrieval systems using a single search interface.
- The NLM Gateway was developed by the Lister Hill National Center for Biomedical Communications (LHNCBC) at the National Library of Medicine (NLM), located at the National Institutes of Health (NIH).
- Phased implementation:

Phase 1

Journal Citations:	MEDLINE (PubMed) , OLDMEDLINE
Book/Serials/AVs :	LOCATOR <i>plus</i>
Meeting Abstracts:	HIV/AIDS-related meeting abstracts
Other Resources:	HSRProj (Health Services Research Projects in Progress)
Consumer Health:	MEDLINE <i>plus</i> Health Topics MEDLINE <i>plus</i> Drug Information DIRLINE (Directory of Health Organizations)

Later phases

ClinicalTrials.gov

HSTAT (Health Services/Technology Assessment Texts)

- NLM Gateway is the *only* search interface for the following resources:
Meeting abstracts
OLDMEDLINE
HSRProj
- Other systems (PubMed, LOCATOR*plus*, MEDLINE*plus*) will retain their own search interfaces.

Who?

Potential Gateway users could be:

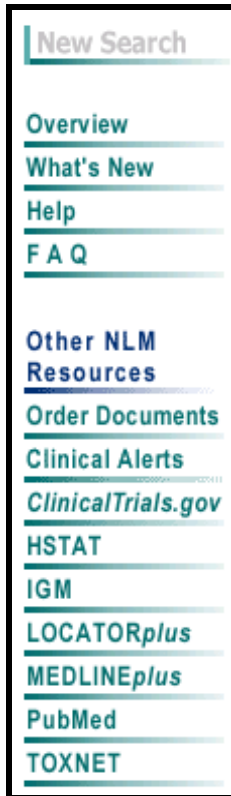
- Users new to NLM's online resources who do not know what type of information is available or how to best search for it.
- Users who want "one-stop searching."

Where?

- Click on Health Information from NLM home page. Then click on NLM Gateway at next screen.
- <http://gateway.nlm.nih.gov>

Gateway home page

Sidebar



New Search takes you to the search screen.

- **Overview** provides a brief overview of the Gateway.
- **What's New** gives users the latest news about the Gateway.
- **Help** provides detailed information about how to use the Gateway.
- **FAQ** are Frequently Asked Questions about the Gateway.

Other NLM Resources:

- **Order Documents** is a link to the Loansome Doc feature that allows users to order full-text copies of articles from a local medical library (local fees and delivery methods may vary).
- **Clinical Alerts** expedite the release of findings from the NIH-funded clinical trials where such release could significantly affect morbidity and mortality.
- Click on **ClinicalTrials.gov** to access the NIH/NLM web site for current information about clinical research studies.
- **HSTAT** links to Health Services/Technology Assessment Text system.
- **IGM** links to Internet Grateful Med.
- **LOCATORplus** links to the NLM catalog of books, journals, and audiovisuals.
- **MEDLINEplus** links to the NLM consumer health web site.
- **PubMed** links to PubMed (MEDLINE).
- **TOXNET** links to NLM's web site of toxicology and hazardous chemicals databases.

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 [National Institutes of Health](#) |
 [Department of Health & Human Services](#) |
 [Freedom of Information Act](#) |
 [Privacy Policy](#)

The Footnote

- Click on **Contact Us** to send an e-mail message to NLM Customer Service.
- Click on **U.S. National Library of Medicine, National Institutes of Health, Department of Health & Human Services** to access the Web pages of the agencies responsible for the creation and maintenance of the NLM Gateway.
- Click on **Freedom of Information Act** to link to NIH's Freedom of Information Act (FOIA) home page.
- Click on **Privacy Policy** to link to NLM's Copyright and Privacy Notice statements.

Searching



- Enter search terms in the query box.
- Click the Search button.



Take Note:

The query box is available from every screen. You do not need to return to the homepage to enter a new search.

Subject Searching Tips

- The default Gateway search is a subject search.
- You may enter one or more terms (e.g., "vitamin C" "common cold" "shortness of breath") in the query box and click the Search button.



Search Tip:

To indicate a phrase enter double quotes (" ") around the phrase, e.g., "vitamin C". Be sure to include **all** phrases including author names, MeSH terms, etc. in double quotes.

- Search terms are automatically combined (ANDed) together.



Search Tip:

Search terms are mapped to MeSH (Medical Subject Headings) terms. For example, if you enter "heart attack", the phrase is mapped to "myocardial infarction". "Myocardial Infarction" is searched as a MeSH term in addition to "heart attack" being searched as text words. This mapping helps to provide more comprehensive results.

Results

Results Summary

When you click Search, the Gateway displays the results summary that includes:

- the number of **Items Found** in each category
- a **Display Results** button for each category to see the retrieved items for each category
- a **Details of Search** button for each category to see how the Gateway translated your search strategy for each category

Results Summary for “macular degeneration” search:

The screenshot shows a search interface with a search bar containing "macular degeneration". Below the search bar are navigation tabs: Find Terms, Limits, Results (selected), History, Locker, and Preferences. On the left is a sidebar with various search options. The main content area is titled "Results Summary" and contains a table with the following data:

Category	Items Found	Actions	
Journal Citations	4854	Display Results	Details of Search
Books / Serials / AVs	33	Display Results	Details of Search
Consumer Health	11	Display Results	Details of Search
Meeting Abstracts	1	Display Results	Details of Search
Other Collections	3	Display Results	Details of Search
Total	4902		

The Results screen after clicking **Display Results** for the **Journal Citations** category:

Arrows navigate forward/backward.

Jump to Page button - fill in the page number.

Jump to Collection allows jumping to the two journal collections.

*Use check boxes to select multiple items. Then click on **Download or Display**.*

Expand will take you to a fuller display for that individual citation.

*The **Put in Locker** button puts selected items in your locker.*

Related Articles takes you to a set of citations closely related to the selected article.

Results

Journal Citations (2 collections searched) Deselect All Put in Locker Download or Display

Displaying items 1 - 20 of 4854 found

Page 1 of 244 Jump to Page 2 Jump to Collection Pick A Collection

1 **Correction of cyclovertical strabismus induced by limited macular translocation in a case of age-related macular degeneration(1).**
 Expand Ohtsuki H, Shiraga F, Hasebe S, Kono R, Yamane T, Fujiwara H
 Related Articles *Am J Ophthalmol.* 2001 Feb;131(2):270-272.
 [Record as supplied by publisher]
 PMID: 11228313
 From PubMed

2 **Pars plana vitrectomy, subretinal injection of tissue plasminogen activator, and fluid-gas exchange for displacement of thick submacular hemorrhage in age-related macular degeneration.**
 Expand Hauptert CL, McCuen BW, Jaffe GJ, Steuer ER, Cox TA, Toth CA, Fekrat S,
 Related Articles Postel EA.
Am J Ophthalmol. 2001 Feb;131(2):208-215.
 [Record as supplied by publisher]
 PMID: 11228297
 From PubMed

3 **Update in retina: photodynamic therapy for the treatment of subfoveal choroidal neovascularization secondary to age-related macular degeneration.**
 Expand Sharma S.
 Related Articles *Can J Ophthalmol.* 2001 Feb;36(1):7-10. No Abstract Available.
 [MEDLINE record in process]
 PMID: 11227391
 From PubMed

Jumping to OLDMEDLINE collection

- Use **Pick A Collection** pull-down
- Select **OLDMEDLINE**
- Click **Jump to Collection** button

Page 1 of 238 Jump to Page 2 Jump to Collection Pick A Collection

Pick A Collection
 PubMed
OLDMEDLINE

Results:

- Gateway takes you to the screen where OLDMEDLINE citations begin.

Notice the
From
OLDMEDLINE
tag.

Results

Journal Citations (2 collections searched) [Deselect All](#) [Put in Locker](#) [Download or Display](#)

Displaying items 4812 - 4831 of 4854 found

Page 242 of 244 [Jump to Page](#) [Jump to Collection](#) [Pick A Collection](#) ▼

4812 **The pathogenesis of senile macular degeneration.**
 [Expand](#) KORNZWEIG AL, FELDSTEIN M, SCHNEIDER J.
Am. J. Ophth..1959 July;48(1, Part 2):22-8.
 UI: 59099990
 From OLDMEDLINE

4813 **Infantile amaurotic idiocy with macular degeneration of Stargardt disease type in the mother & maternal uncle.**
 [Expand](#) MONNET P, TOMMASI M, TISSOT A, GAILLOT.
Arch. fr. pediat..1959;16(3):387-91. French.
 UI: 59080369
 From OLDMEDLINE

4814 **Surgical treatment of macular degeneration.**
 [Expand](#) BAILLIART JP.
*Bull. soc. ophth. France.*1958 Dec;(12):800-2. French.
 UI: 59068387
 From OLDMEDLINE

4815 **Therapy of senile macular degeneration.**
 [Expand](#) BIERMAN EO.
Am. J. Ophth..1959 Mar;47(3):405-7.
 UI: 59056652
 From OLDMEDLINE

Display Formats

- Gateway citations are initially displayed in a **Brief format**.
- The **Expanded Format** provides more information.



A table of all collections and the data elements found in the brief format and expanded format is available in Help.

Take Note:

Expanded Format

*Notice the **Related Articles** link and the **Publisher Link** for full-text. These links are only on PubMed citations.*

Expanded Item

Journal Citations : [Download or Display](#)
Item 8 displayed (out of 4739 found).

[Related Articles](#)

[Publisher Link](#)

Choroidal neovascular membranes: reproducibility of angiographic interpretation.

Friedman SM, Margo CE.

Am J Ophthalmol. 2000 Dec; 130 (6) :839-841.

Vitreous and Retina Consultants (S.M.F.), Lakeland, Florida, USA

[Record as supplied by publisher]

PURPOSE: To determine interobserver agreement for classifying choroidal neovascular membranes in age-related macular degeneration.METHODS: Six fluorescein angiograms of choroidal neovascular membranes were interpreted by 21 retina specialists. Reliability was measured by percent agreement and kappa coefficient.RESULTS: Interobserver agreement of membrane types ranged from perfect concordance for a small, classic membrane to near-random classification for a complex pattern. Mean kappa coefficient was .64. Interobserver agreement of membrane size was most variable for intermediate size lesions (mean kappa coefficient = .40).CONCLUSION: Fluorescein angiographic interpretation of choroidal neovascular membrane type and size can vary considerably. Interobserver agreement is better for membrane type than for membrane size.

PMID: 11124312;
From PubMed

Details of Search

- Details of Search lets you view your search strategy as it was translated using the Gateway's automatic term mapping and search rules and syntax.
- Details of Search contains warnings and error messages.

Details of Search

Journal Citations

PubMed	
Translated Search	Items
(((("macular degeneration" [MeSH Terms]) OR (macular degeneration [Text Word])) AND (notpubref [sb])))	4696
OLDMEDLINE	
Translated Search	Items
("macular degeneration" <EXACT> <IN> KEYWORD_LIST OR "macular degeneration" <IN> TITLE OR "macular degeneration" <IN> PERSONAL_NAME_AS_SUBJECT OR "macular degeneration" <IN> KEYWORD_LIST)	43

URL

Saving search strategies



Take Note:

- Below the Details of Search is a **URL button**. To save the search strategy, click on the URL button. A new browser window will open with the Results Summary page for the search.
- Use the Bookmark or Favorites feature to save the search, and then close the browser window and continue with Gateway searching.

Download or Display

- Select citations you wish to download or display further.
- Click the **Download or Display** button.
- Make your selections from this screen.
- Click **Go**.

Download or Display screen:

Download or Display

Items Found	4902
Journal Citations	4854
Books / Serials / AVs	33
Consumer Health	11
Meeting Abstracts	1
Other Collections	3

NOTE: The maximum number of items for downloading is 500. Downloading hundreds of items may take several minutes.

Starting with item fetch items.

Results from

Destination

Address if sending via email

Details

Format

Download or send as

- Use the **Fetch** pull-down menu to select the number of items to download or display. The maximum number of items for downloading/displaying at one time is 500.
- Use the **Results from** pull-down menu to select the items to be downloaded/displayed. Choices are All Categories, any single category, selected items, or Locker items. The default items are the items last viewed.
- Use the **Destination** pull-down menu to select the destination for the items to be downloaded or displayed. Choices are Display in Browser, Display for Printing, Save to File, and Send via Email. The default destination is Display in Browser.
- Use the **Details** pull-down menu to select the display format. Choices are Brief, Expanded, and Complete. The default details is Brief.
- Use the **Format** pull-down menu to select. The default format is Unlabeled.
Labeled = labels each field with the full field name
Export = labels each field with the field name abbreviation. The export format is used for importing data into bibliographic management programs.
- Use the **Download or send as** pull-down menu to select Text or Html. The default is Text.

Download or Display Tips:

- ✓ Display for Printing allows you to display your citations as ASCII text without the sidebar menu and toolbars on each page.
- ✓ Use the print function of your Web browser to print all the information and citations displayed on your web page.
- ✓ You can only print the citations from the displayed page.
- ✓ If you choose Send via Email, you must enter an email address before clicking on the Go button.
- ✓ The Download or send as option applies only to the Save to File and Send Via Email Destinations.

Search History

- Click on History directly beneath the query box.
- Shows the search strategies and results for the last 25 searches run in the Gateway.
- Once the maximum number of searches is reached, the Gateway will remove the oldest search from the History to add the most current search.
- You can use the Search Number in a subsequent search (e.g., (#1 AND zinc)).
- Your Search History will be lost when you close your web browser.

Search History

[Clear History](#)

Search Number	Search	Items Found	Actions
1	Search: "macular degeneration"	4902	Results Delete

- To build on a search, enter its search number preceded by the pound sign (#) in the search box.
- Then add additional terms after the search number (e.g., #1 AND "macular degeneration").

Find Terms

- Use Find Terms to select terms from the MeSH vocabulary and the Unified Medical Language System (UMLS).
- Click on Find Terms directly below the query box.

Here is the initial **Find Terms** screen where we want to find the term, “**canker sore**”:

Find Terms

Find terms, their definitions, and related terms, using NLM's MeSH and UMLS Metathesaurus.

- MeSH is NLM's controlled vocabulary thesaurus. MeSH terminology provides a consistent way to retrieve information that may use different terminology for the same concepts.
- NLM's Unified Medical Language System (UMLS) Metathesaurus contains information about biomedical concepts and terms from many sources.

After typing in your term and clicking on Find Terms, you see the screen shown on the next page.

Note the definition.

Click on **Related Concepts** to see other related terms.

Click on **View MeSH Information** for additional details about the term.

Use the **Add to Search** button and the **Connector** pull down to add this term to your search strategy.

Use the **Main point of item** checkbox to limit the term to the main point of the article.

Use the **Do not explode this term** checkbox to turn off automatic explosion in PubMed.

Click on **Subheading Definitions** if you need to check a subheading definition.

Select subheading(s) to attach to your term by clicking in the checkbox.

The MeSH hierarchical tree structure(s) where the term is found.

Concept Details

Stomatitis, Aphthous

A recurrent disease of the oral mucosa of unknown etiology. It is characterized by small white ulcerative lesions, single or multiple, round or oval. Two to eight crops of lesions occur per year, lasting for 7 to 14 days and then heal without scarring. (From Jablonski's Dictionary of Dentistry, 1992, p742)

[Related Concepts](#) [View MeSH Information](#)

[Add to Search](#) using Connector: or [Cancel](#)

- Main point of item
- Do not explode this term

With Subheadings: [Subheading Definitions](#)

- | | |
|----------------------------------------------|-----------------------------------------------|
| <input type="checkbox"/> blood | <input type="checkbox"/> microbiology |
| <input type="checkbox"/> cerebrospinal fluid | <input type="checkbox"/> mortality |
| <input type="checkbox"/> chemically induced | <input type="checkbox"/> nursing |
| <input type="checkbox"/> classification | <input type="checkbox"/> parasitology |
| <input type="checkbox"/> congenital | <input type="checkbox"/> pathology |
| <input type="checkbox"/> diagnosis | <input type="checkbox"/> physiopathology |
| <input type="checkbox"/> diet therapy | <input type="checkbox"/> prevention & control |
| <input type="checkbox"/> drug therapy | <input type="checkbox"/> psychology |
| <input type="checkbox"/> economics | <input type="checkbox"/> radiography |
| <input type="checkbox"/> embryology | <input type="checkbox"/> radionuclide imaging |
| <input type="checkbox"/> enzymology | <input type="checkbox"/> radiotherapy |
| <input type="checkbox"/> epidemiology | <input type="checkbox"/> rehabilitation |
| <input type="checkbox"/> ethnology | <input type="checkbox"/> surgery |
| <input type="checkbox"/> etiology | <input type="checkbox"/> therapy |
| <input type="checkbox"/> genetics | <input type="checkbox"/> ultrasonography |
| <input type="checkbox"/> history | <input type="checkbox"/> urine |
| <input type="checkbox"/> immunology | <input type="checkbox"/> veterinary |
| <input type="checkbox"/> metabolism | <input type="checkbox"/> virology |

MeSH Tree 1

- ▶ All MeSH Categories
 - ▶ Diseases (MeSH Category)
 - ▶ Stomatognathic Diseases
 - ▶ Mouth Diseases
 - ▶ Stomatitis
 - ▶ Stevens-Johnson Syndrome
 - ▼ **Stomatitis, Aphthous**
 - ▶ Stomatitis, Denture
 - ▶ Stomatitis, Herpetic

Diet therapy subheading is "checked"

*Then click **Add to Search** button using the default connector, AND.*

Stomatitis, Aphthous
 A recurrent disease of the oral mucosa of unknown etiology. It is characterized by small white ulcerative lesions, single or multiple, round or oval. Two to eight crops of lesions occur per year, lasting for 7 to 14 days and then heal without scarring (From Jablonski's Dictionary of Dentistry, 1992, p742)

[Related Concepts](#) [View MeSH Information](#)

[Add to Search](#) using Connector: AND or [Cancel](#)

Main point of item
 Do not explode this term

With Subheadings: [Subheading Definitions](#)

<input type="checkbox"/> blood	<input type="checkbox"/> microbiology
<input type="checkbox"/> cerebrospinal fluid	<input type="checkbox"/> mortality
<input type="checkbox"/> chemically induced	<input type="checkbox"/> nursing
<input type="checkbox"/> classification	<input type="checkbox"/> parasitology
<input type="checkbox"/> congenital	<input type="checkbox"/> pathology
<input type="checkbox"/> diagnosis	<input type="checkbox"/> physiopathology
<input checked="" type="checkbox"/> diet therapy	<input type="checkbox"/> prevention & control

Canker sore search is now adjusted to add the **diet therapy** subheading:

This brings you to the following screen. Click on **Search** to have the Gateway run your search.

"Stomatitis, Aphthous/diet therapy"[MESH]

[Search](#) [Clear Search](#)

[Find Terms](#) [Limits](#) [Results](#) [History](#) [Locker](#) [Preferences](#)

Find Terms

Find terms, their definitions, and related terms, using NLM's MeSH and UMLS Metathesaurus.

 [Find Terms](#)

*Click on **Search** button.*

Limits

- Click on Limits directly below the query box.

Limits screen:

Search Categories

- Search All Categories is the default.
- Use the Search All Categories pull down to change the category searched.
- You may search all categories, or one category.

List Items per Page

- 20 items per page is the default.
- Use the List items per page pull down to change the number of items displayed.

English Only Limit

- Searching all languages is the default.
- Use the English only option to limit your search to English language items only.

Limits

Search

List items per page English only

Publication years (yyyy) from to (def

Click in the box to select English only.



Take Note:

This limit is ignored in the MEDLINEplus Health Topics collection (Consumer Health), the MEDLINEplus Drug Information collection (Consumer Health), and the HSRProj collection (Other Collections).

Publication Date Limit

- Searching all years is the default.
- Use the from/to boxes to limit your search to specific publication years.
- One publication year or a year range of publication years may be searched.
- A publication year or year range must be searched using the format YYYY (e.g., from 1998 to 2000).

Limits

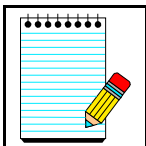
Search

List items per page English only

Publication years (yyyy) from to (default is All Years)

(Note: This limit is ignored for collections that do not support searching by ranges of years)

Fill in Pub. year range



Take Note:

- This limit is ignored in the MEDLINEplus Health Topics collection (Consumer Health) and the MEDLINEplus Drug Information collection (Consumer Health).
- Only one publication year may be searched in the LOCATORplus collection (Books/Serials/AVs). If a year range is entered, it will be ignored.

Locker

- A place to collect your selected search items, e.g., mark items and store them in your locker for printing, downloading or ordering.
- You must login to use the Locker. Login requires a User ID and password. Registration is free.

Locker Login

If you do not have a User ID, click on the Create New User ID button.

OR

Enter your User ID and Password to Login.

Login

The Locker and Preferences features require a login. The Locker allows users to collect selected search items for printing, downloading or document ordering. The Preferences feature allows users to change their password and to set personal choices to customize their search session.

If you are a registered Loansome Doc user, please try your Loansome Doc User ID and password before creating a new one. If you are a new user, click on the Create New User ID button.

If you are an established user, enter your User ID and password and click on the Login button.

User ID:

Password:

Marking and putting items in your Locker

- Use the check boxes to select the items you wish to store in your locker.
- Click on **Put in Locker** button.

Mark the items using the check boxes.

Click on Put in Locker button.

Results

Journal Citations (2 collections searched) [Deselect All](#) [Put in Locker](#) [Download or Display](#)

Displaying items 1 - 20 of 4854 found

Page 1 of 244 [Jump to Page](#) [Jump to Collection](#) [Pick A Collection](#) ▾

1	<input checked="" type="checkbox"/>	<p>Correction of cyclovertical strabismus induced by limited macular translocation in a case of age-related macular degeneration(1).</p> <p>Ohtsuki H, Shiraga F, Hasebe S, Kono R, Yamane T, Fujiwara H. <i>Am J Ophthalmol.</i> 2001 Feb;131(2):270-272. [Record as supplied by publisher] PMID: 11228313 From PubMed</p>
	Expand Related Articles	
2	<input checked="" type="checkbox"/>	<p>Pars plana vitrectomy, subretinal injection of tissue plasminogen activator, and fluid-gas exchange for displacement of thick submacular hemorrhage in age-related macular degeneration.</p> <p>Hauptert CL, McCuen BW, Jaffe GJ, Steuer ER, Cox TA, Toth CA, Fekrat S, Postel EA. <i>Am J Ophthalmol.</i> 2001 Feb;131(2):208-215. [Record as supplied by publisher] PMID: 11228297 From PubMed</p>
	Expand Related Articles	

- Gateway confirms that the items are added to your Locker with the following message:

Results (Logged in)

2 items were added to locker

- Click on Locker directly below the query box to see the contents of your Locker.


Use the **Order Documents** button to order documents using Loansome Doc.

Note the **green check** indicating document delivery is available.



Use the **Delete** button to delete, and then use the **Delete** button to delete selected items.

Use the **Download or Display** button to download or display items in your Locker.

Locker (Logged in)

Document delivery is available for items marked .

Order Documents
Delete
Download or Display

1	<input type="checkbox"/>		<p>Correction of cyclovertical strabismus induced by limited macular translocation in a case of age-related macular degeneration(1). Ohtsuki H, Shiraga F, Hasebe S, Kono R, Yamane T, Fujiwara H <i>Am J Ophthalmol.</i> 2001 Feb;131(2):270-272. [Record as supplied by publisher] PMID: 11228313 From PubMed</p>
2	<input type="checkbox"/>		<p>Pars plana vitrectomy, subretinal injection of tissue plasminogen activator, and fluid-gas exchange for displacement of thick submacular hemorrhage in age-related macular degeneration. Hauptert CL, McCuen BW, Jaffe GJ, Steuer ER, Cox TA, Toth CA, Fekrat S, Postel EA <i>Am J Ophthalmol.</i> 2001 Feb;131(2):208-215. [Record as supplied by publisher] PMID: 11228297 From PubMed</p>

Locker Tips:

- ✓ If an item is already in your Locker, it will not be added again.
- ✓ Locker items remain until you delete them.
- ✓ There is a limit of 500 items that may be stored in the locker.

Preferences

- Click the Preferences button directly below the query box to access the Preferences page.
- Preferences allows you to change your password and customize your search settings, results screen, download and display options, and Locker settings to always be a particular value or setting.



Take Note:

- You must login to use Preferences. The same User ID/password works for both the Gateway Locker and Preferences features.
- Loansome Doc User IDs are valid and may be used here in the Gateway.



- Use the **Apply to this Session** button to apply changes only to your current Gateway session.
- Use the **Save Preferences** button to apply changes to your current and future Gateway sessions.
- Use the **Restore Defaults** button to return all settings to the Gateway default settings.
- Use the **Cancel** button to quit your preferences session without making any changes.

NOTE: The workbook pages will highlight two areas of Preferences. The Gateway's Help feature (available from the sidebar) clearly explains *all* the Preferences selections and options within each selection.

Results Preferences

- Use this Preferences option to customize your field selections in your displays for the various collections.
- Make your selection from the pull-down menu and click on the **Select Fields** button.

The screenshot shows a web form titled "Results". It contains several sections:

- Results**:
 - Brief Display Format: Unlabelled
 - Expanded Display Format: Unlabelled
 - Customize Brief or Expanded displays: A dropdown menu is open, showing a list of options: AIDS Meetings, AIDS Meetings (with MeSH), DIRLINE, HSRProj, HSR Meetings, LOCATORplus, MEDLINEplus Drug Information, MEDLINEplus Health Topics, OLDMEDLINE, and PubMed (which is highlighted in blue).
 - Next to the dropdown menu is a button labeled "Select Fields".
- Download or Display**:
 - Destination: Display in Browser
 - Download or send as: Text
 - Address if sending via email: (partially visible)

PubMed has been selected.
Click on Select Fields button.

The graphic on this page and the following page show the PubMed field selection screens.

- The check marks represent the default field selections for the display formats.

Click in the boxes to "check" your field selections.

Click on appropriate button to save your selections.

Define PubMed Fields (Logged in)

Customize Brief or Expanded displays PubMed

Brief Format	Expanded Format	Field Name
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Abstract
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Abstract Available
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Affiliation
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Author
<input type="checkbox"/>	<input type="checkbox"/>	Citation Subset
<input type="checkbox"/>	<input type="checkbox"/>	Collective Name
<input type="checkbox"/>	<input type="checkbox"/>	Comment in
<input type="checkbox"/>	<input type="checkbox"/>	Comment on
<input type="checkbox"/>	<input type="checkbox"/>	Copyright Information
<input type="checkbox"/>	<input type="checkbox"/>	Country
<input type="checkbox"/>	<input type="checkbox"/>	Date Completed
<input type="checkbox"/>	<input type="checkbox"/>	Date of Electronic Publication
<input type="checkbox"/>	<input type="checkbox"/>	Date Revised
<input type="checkbox"/>	<input type="checkbox"/>	Digital Object Identifier
<input type="checkbox"/>	<input type="checkbox"/>	Entrez Date
<input type="checkbox"/>	<input type="checkbox"/>	Entry Date
<input type="checkbox"/>	<input type="checkbox"/>	Erratum in
<input type="checkbox"/>	<input type="checkbox"/>	Full Text URL
<input type="checkbox"/>	<input type="checkbox"/>	Gene Symbol
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Grant Support
<input type="checkbox"/>	<input type="checkbox"/>	ISSN
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Issue/Part/Supplement
<input type="checkbox"/>	<input type="checkbox"/>	Journal Title Code
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Language
<input type="checkbox"/>	<input type="checkbox"/>	MeSH Date

Continuation of Define PubMed Fields screen:

<input type="checkbox"/>	<input checked="" type="checkbox"/>	MeSH Terms
<input type="checkbox"/>	<input type="checkbox"/>	NLM Unique ID
<input type="checkbox"/>	<input type="checkbox"/>	Number of References
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Pagination
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Personal Name As Subject
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Publication Date
<input type="checkbox"/>	<input type="checkbox"/>	Publication History
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Publication Status
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Publication Types
<input type="checkbox"/>	<input type="checkbox"/>	Publisher Identifier
<input type="checkbox"/>	<input type="checkbox"/>	Publisher Identifier Controlled
<input type="checkbox"/>	<input type="checkbox"/>	Publisher Link
Required	Required	PubMed ID (PMID)
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Record Status
<input type="checkbox"/>	<input type="checkbox"/>	Republished from
<input type="checkbox"/>	<input type="checkbox"/>	Republished in
<input type="checkbox"/>	<input type="checkbox"/>	Retraction in
<input type="checkbox"/>	<input type="checkbox"/>	Retraction of
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Secondary Source ID
<input type="checkbox"/>	<input type="checkbox"/>	Source
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Substances
<input type="checkbox"/>	<input type="checkbox"/>	Summary URL
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Title
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Title Abbreviation
<input type="checkbox"/>	<input type="checkbox"/>	Transliterated / Vernacular Title
Required	Required	Unique Identifier
<input type="checkbox"/>	<input type="checkbox"/>	Update in
<input type="checkbox"/>	<input type="checkbox"/>	Update of
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Volume Issue

Locker Preferences

- If you plan to order documents using the Gateway, you may wish to set the **Remove items from your Locker after they have been ordered** option as Locker items remain until you delete them.

<p>Locker</p> <p><input type="checkbox"/> Remove items from your Locker after they have been ordered.</p> <p><input type="checkbox"/> Send orders for the first ten unordered items in the Locker.</p>

Searching by Fields

- All field qualifiers should be entered *after* the search term or terms (postqualification - same as PubMed).
- Field qualifiers must be in square brackets.
- Field qualifiers may be in upper or lower case.

Examples:

"common cold" AND "vitamin c"[mh]
spanish [LANGUAGE]
"lead screening" [text] AND children



Take Note:

The Gateway's **Help** lists all available search fields and their available abbreviations.

Author Name Searching

- Enter the author name in the format last name plus initials (no punctuation), followed by the field qualifier (e.g., [au]).
- Author names *must* be enclosed in quotes.

Examples:

"Harris MI" [AU]
"Charron-Prochownik D" [au] "Siminerio LM" [au]
"Ferris FL 3rd" [author]
"Kovacs" [AUTHOR]



Search Tip:

- Author searching has not been implemented for the **LOCATORplus** collection (Books/Serials/AVs) in the current Gateway release. Search using an author's last name without a field qualifier in order to attempt to search by author in LOCATORplus.
- You may search for investigators in the **HSRProj** collection (Other Collections) using the author field qualifier. Investigator names in the HSRProj collection (Other Collections) are displayed as full names, but investigator names must be searched in the format last name plus initials (no punctuation).
- The **MEDLINEplus Health Topics** collection (Consumer Health) and the **MEDLINEplus Drug Information** collection (Consumer Health) do not have authors.

Title Searching

- Enter one or more title words followed by the field qualifier (e.g., [ti]).
- Phrases *must* be enclosed in quotes.

Examples:

```
AIDS [TITLE] "sexually transmitted diseases" [TITLE]
"lyme disease" [ti]
"quality of life" [title]
"managed care" [ti] quality [ti]
```

MeSH Searching

- Enter the MeSH term followed by the field qualifier (e.g., [mh]).
- MeSH terms that are multiple words *must* be enclosed in quotes.
- Subheadings may be entered in full, or the two character abbreviation may be used.
- To search for a MeSH term with one or more subheadings, enter the field qualifier (e.g., [MESH]) followed by the MeSH term, a forward slash, and one or more subheadings.
- If multiple subheadings are entered for one MeSH term, the subheadings are ORed together (e.g., "myocardial infarction/su/dt" [mh] is equivalent to "myocardial infarction/su" [mh] OR "myocardial infarction/dt"[mh]).

Examples:

```
"lyme disease" [mh]
"macular degeneration/therapy" [mesh]
"myocardial infarction/su/dt" [mh]
"Lice" [MESH]
```



Search Tip:

- Explosions: If a MeSH term or MeSH major topic is entered, it will be automatically exploded in PubMed (Journal Citations) only.
- For other collections, MeSH terms and MeSH major topics are *not* exploded.

Boolean Operators

- The Boolean operators AND, OR, and NOT are available.
- The default Boolean operator is AND.
- Boolean operators AND, OR, NOT must be in upper case (e.g., "vitamin C" OR zinc).
- The Gateway processes the AND and OR Boolean operators in a left-to-right sequence.
- The NOT operator is processed first.
- Nesting: You can change the order in which the Gateway processes the AND and OR operators in a search statement by enclosing the unit in parentheses. The terms inside the set of parentheses will be processed as a unit and then incorporated into the overall strategy.

Examples:

"common cold" AND ("vitamin C" OR zinc)

"hay fever" AND (Claritin OR Zyrtec)

Practice Exercises

1. Locate information on holistic health and AIDS or holistic health and HIV.
2. Using the Find Terms feature (MeSH Browser), find items about fibromyalgia.
3. Find meeting abstracts about multidrug-resistant tuberculosis. (Hint: Use Limits to restrict to the Meeting abstracts category.)
4. Find journal citations about using castor oil to induce labor. I'm particularly interested in articles published prior to 1966. (Hint: Jump to the OLDMEDLINE collection within the journal citations category).

Suggested Answers

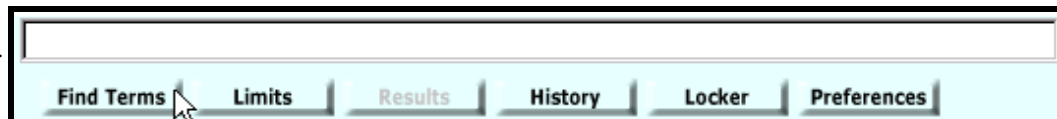
1. Locate information on holistic health and AIDS or holistic health and HIV.



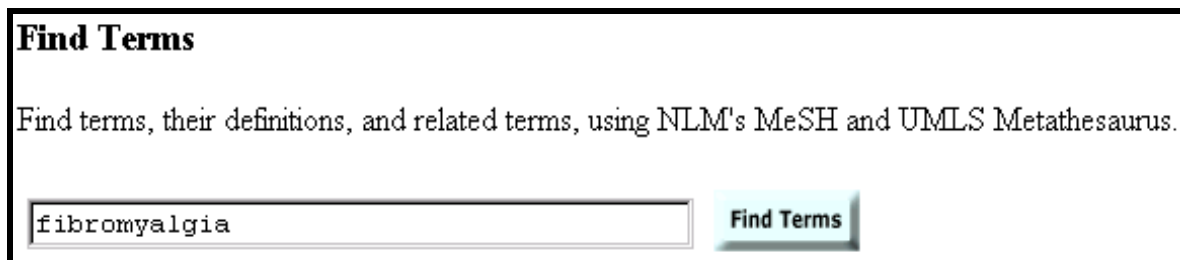
2. Using the Find Terms feature (MeSH Browser), find items about fibromyalgia.

Step 1: Click **Find Terms** button on the features bar directly below the query box.

*Click on
Find Terms.*



Step 2: Type in the term and click the **Find Terms** button.



Step 3: Click on the Add to Search button to add this term to your search query.

Concept Details

Fibromyalgia
 an acute, subacute, or chronic painful state of muscles, subcutaneous tissues, ligaments, tendons, or fasciae caused by a number of agents such as trauma, strain, occupation, exposure, posture, infection, or arthritis.

using Connector: or

Step 4: The Gateway brings back the term you added to the query box. Click on **Search** to run your search.

- Find meeting abstracts about multidrug-resistant tuberculosis. (Hint: Use Limits to restrict to the Meeting abstracts category.)

Step 1: Click on Limits to reach the Limits screen.



Step 2: Type in the term, “multidrug resistant tuberculosis” in the search query box at the top of the screen and then select **Meeting Abstracts** from the **Search** pull-down menu. Click **Search**.

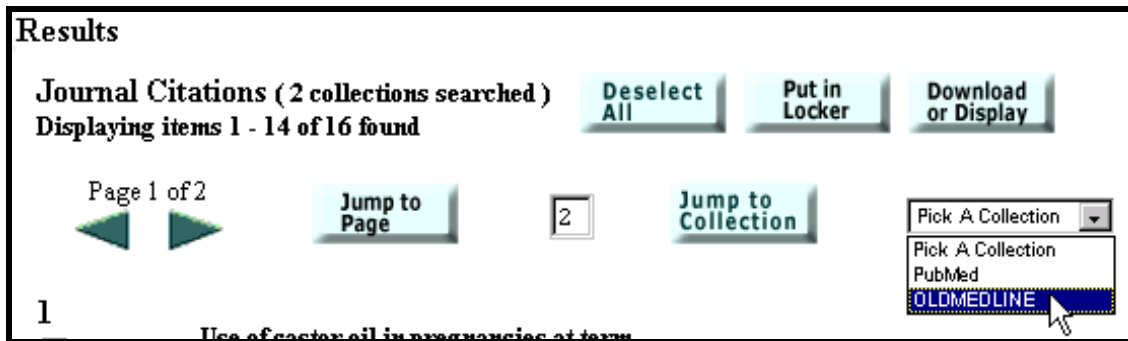


4. Find journal citations about using castor oil to induce labor. I'm particularly interested in articles published prior to 1966. (Hint: Jump to the OLDMEDLINE collection within the journal citations category).

Step 1: Type search in query box.



Step 2: On Results Display screen, select **OLDMEDLINE** from the **Pick a Collection** pull-down menu. Click on **Jump to Collection**.



N O T E S