



Finding the Evidence on EBSCOhost research databases

在EBSCOhost中查找證據： 以MEDLINE 與 CINAHL 為例

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The EBSCO logo, consisting of the word "EBSCO" in a white, serif font inside a dark blue rounded rectangle.

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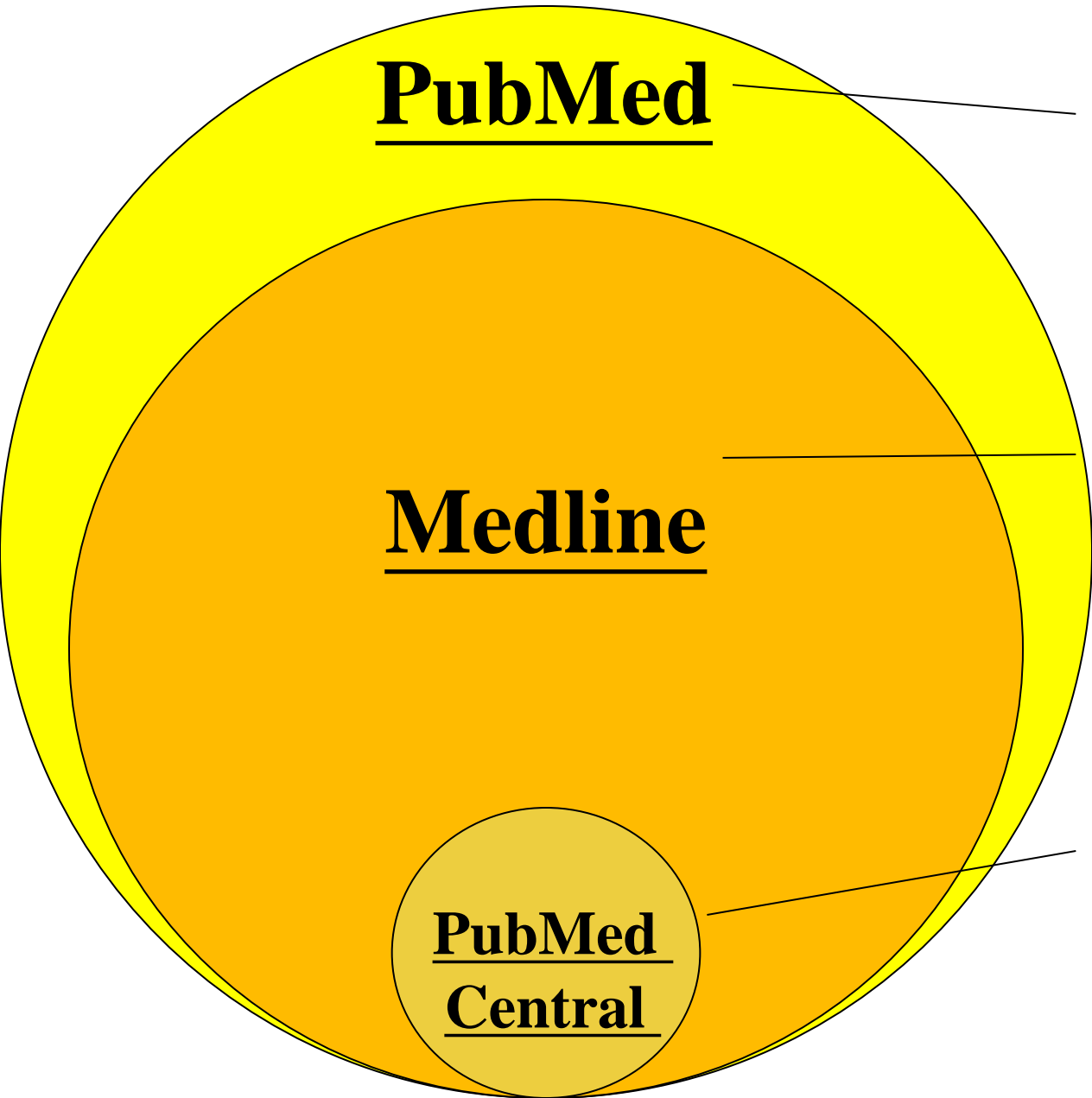
大綱

- PubMed, CINAHL, MEDLINE 的不同
- Finding publication types 搜尋出版品類型
- 使用 Clinical Queries
- 使用 Evidenced-Based limiters
- Additional support & guidance

PubMed, PubMed Central and MEDLINE

- PubMed是美國國家醫學圖書館 (NLM) 所屬的國家生物技術資訊中心 (NCBI) 開發的生物醫學資訊檢索系統，該系統免費提供包括MEDLINE在內的自1950年以來全世界70多個國家4300多種主要生物醫學文獻的書目索引和摘要，並提供部分免費和付費全文連結服務。
- PubMed Central 是 2000 年 2 月由 NLM 與美國國立衛生研究院 (NIH) 聯合建立的一個生物醫學和生命科學期刊文獻全文資料庫，向全球免費開放使用。目前該系統共收錄約400 種期刊
- *MEDLINE* 是PubMed最主要的內容來源，提供權威性的生物醫學資訊，也由美國國家醫學圖書館 (NLM),所維護，MEDLINE 使用 MeSH (Medical Subject Headings) 索引。

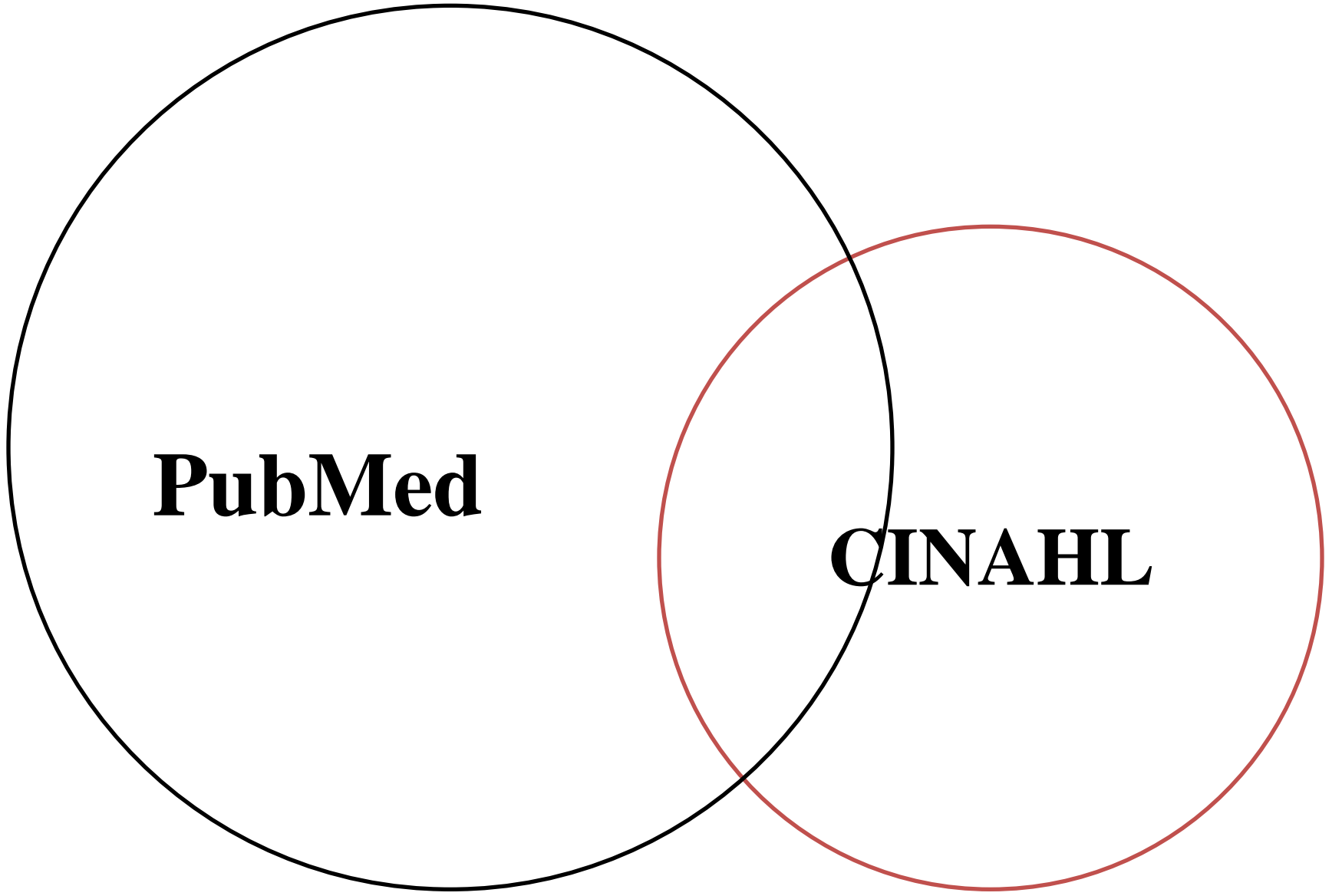
文字部分的來源：https://www.nlm.nih.gov/pubs/factsheets/dif_med_pub.html



PubMed has been available since 1996. Its more than 26 million references include the MEDLINE

Provides more than 23 million references to biomedical and life sciences journal articles back to 1946 around the world (Medline資料量約佔PubMed的88.5%)

PMC launched in 2000 as a free archive for full-text. (PubMed中，屬於機構典藏的角色，儲存免費全文)



PubMed

CINAHL

Differences between versions of CINAHL® on EBSCOhost®

	CINAHL®	CINAHL® Plus	CINAHL® with Full Text	CINAHL® Plus with Full Text	CINAHL® Complete	Nursing Reference Center™	Nursing Reference Center™ Plus
Journals Indexed	3,115	5,073	3,115	5,086	5,448	N/A	N/A
Begin Date of Indexing	1981	1937	1981	1937	1937	N/A	N/A
Comes with PreCINAHL	Yes	Yes	Yes	Yes	Yes	N/A	N/A
Journals with Searchable Cited References	1,321	1,440	1,321	1,440	1,529	N/A	N/A
Begin Date of Searchable Cited References	1993	1985	1993	1985	1985	N/A	N/A
Full-Text Journals	70	78	533	711	1,450	N/A	N/A
Begin Date of Full Text	1992	1991	1981	1937	1937	N/A	N/A
Full-Text Books/Monographs	N/A	N/A	N/A	11	11	11	11
Continuing Education Modules	N/A	170	N/A	170	170	1,601	2,664
Research Instruments Records	106	254	106	254	254	254	254
Full-Text Evidence-Based Care Sheets	N/A	133	N/A	133	133	1,170	1,745
Full-Text Quick Lessons	N/A	169	N/A	169	169	2,753	2,895
Full-Text Drug Guide Information	N/A	N/A	N/A	N/A	N/A	2,730	2,746
Full-Text Patient Education Handouts	N/A	N/A	N/A	N/A	N/A	3,358	8,062
Full-Text Legal Cases	N/A	N/A	N/A	N/A	N/A	791	791
Full-Text Nursing Skills & Procedures	N/A	N/A	N/A	N/A	N/A	1,203	1,478
Full-Text Care Plans	N/A	N/A	N/A	N/A	N/A	N/A	50
Images	N/A	N/A	N/A	N/A	N/A	358	1,302
Videos	N/A	N/A	N/A	N/A	N/A	N/A	689

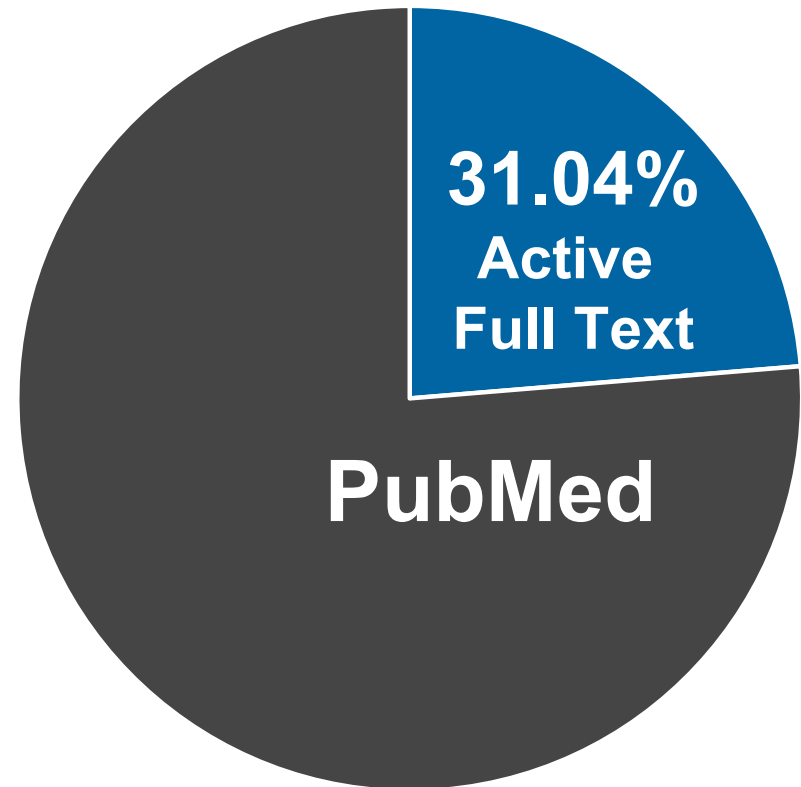
MEDLINE Complete is the world's largest full-text companion to PubMed

MEDLINE Version	# of Full-Text Journals	# of Full-Text Peer-Reviewed Journals
MEDLINE with Full Text	1,323	1,282
MEDLINE Complete	2,340	2,264

Figures as of March 2017

MEDLINE Complete Provides Active Full Text for More Than One Third of PubMed's Actively Indexed Journals

MEDLINE Complete provides ongoing full text for **1,748** of the **5,631** journals currently indexed in PubMed



Publication Types

- Systematic Review (SR)
 - CINAHL **PT systematic review**
 - MEDLINE **PT review**
- Meta-analysis (M)
 - CINAHL **PT Meta Analysis**
 - MEDLINE **PT Meta-Analysis**
- Randomized Controlled Trial (RCT)
 - CINAHL **PT Randomized Controlled Trial**
 - MEDLINE **PT Randomized Controlled Trial**
- Guideline
 - CINAHL **PT Practice Guidelines**
 - MEDLINE **PT Guideline**

Publication Types – CINAHL & MEDLINE

Publication Types (PT)	CINAHL	MEDLINE
Systematic review (SR)	systematic review	review
Meta Analysis (M)	Meta Analysis	Meta-Analysis
Randomised Controlled Trials (RCT)	Randomized Controlled Trial	Randomized Controlled Trial
Guidelines (G)	Practice Guidelines	Guideline

What are Clinical Queries?

- Clinical Queries are specific search strategies (“hedges”) which can be applied to retrieve clinically-relevant and scientifically-sound results from the *CINAHL*[®] or *MEDLINE* databases.
- Created in collaboration with the Health Information Research Unit (HIRU) at McMaster University, and are designed for clinician use.
- For additional information about ongoing research, please visit: http://hiru.mcmaster.ca/hiru/HIRU_Hedges_home.aspx.

HIRU “Hedges”



**Health Information Research Unit
Evidence-Based Health Informatics**

Hedges

The focus of the Hedges Project ([see attached](#) for additional information), which is funded by the National Library of Medicine, is to investigate ways to develop and harness [search filters](#) (“hedges”) that will improve retrieval of scientifically sound and clinically relevant study reports from large, general purpose, biomedical research bibliographic databases including MEDLINE, EMBASE, and PsycINFO. The purposes of the search filters are:

1. to enable health care providers to do their own clinical searches effectively and efficiently;
2. to help reviewers of published evidence concerning health care problems to retrieve all relevant citations;
3. to provide resources for librarians to help clinicians to construct their own searches; and
4. to provide input to the database producers about their indexing processes and the organization of their databases.

Improved search filters are needed and are important given the inherent problems of indexing and retrieval in large databases, and the widespread and rapidly increasing direct use of these databases by clinicians, researchers, educators, administrators, lawyers, journalists, patients, and the general public, whose interests are primarily directed towards a very small subset of the literature that is of most relevance to the cause, course, diagnosis, prevention, and management of health care problems. Our long-term objective is to harness the highest quality, clinically relevant contents of these electronic databases so that their effects on health care and policy can be enhanced.

Click on the following links to view the search filters for [MEDLINE](#), [EMBASE](#), and [PsycINFO](#).

Our Clinical Hedges database contains data for the year 2000 for each article in each of the issues of [170 clinical journals](#). [161 of these journals were indexed in MEDLINE](#) and 135 were indexed in EMBASE. Expert and highly calibrated research staff have identified and tagged the records for articles that report original and review studies (definitions shown in [Table 1](#)) about the cause (causation [etiology]), course (prognosis), diagnosis, prevention or therapy or rehabilitation, clinical prediction, or economics of human health disorders, as well as studies of quality improvement of health services, the continuing education of health professionals, and studies of a qualitative nature (definitions shown in [Table 2](#)). Studies in these “purpose categories”, except for qualitative and cost studies, have been further tagged for whether they “pass” or “fail” pre-specified methodologic criteria for applied clinical research (criteria shown in [Table 3](#)).

To develop search filters in MEDLINE we assembled a list of search terms and phrases in a subset of MEDLINE records matched with a hand search of the contents of 161 journal titles for the year 2000. The search filters were treated as “diagnostic tests” for sound studies and the manual review of the literature was treated as the “gold standard”. The sensitivity, specificity, accuracy, and precision (a library science term that is equivalent to the diagnostic test term “positive predictive value”) of single- and multiple-term MEDLINE search filters were determined as shown in [Table 4](#). The sensitivity for a given filter is defined as the proportion of high quality articles that are retrieved; specificity is the proportion of low quality or off topic articles not retrieved; precision is the proportion of retrieved articles that are of high quality; and accuracy is the proportion of all articles that are correctly categorized by the search filter. 49,028 articles were included in the analysis and 4,862 unique single-terms were tested.

To view the MEDLINE strategies click on the relevant article category: [Therapy](#), [Diagnosis](#), [Review](#), [Prognosis](#), [Causation](#)

▼ Home

McMaster Health Knowledge Refinery (McMaster HKR) Projects

▶ McMaster PLUS Projects

▼ Hedges

▶ PubMed Clinical Queries

▶ Health Services Research Queries

▶ Ovid Clinical Queries

▶ Nephrology Filters

▶ KT Filters

▶ EPC – Evidence-based Practice Center

▶ Program in Evidence-Based Care — Cancer Care Ontario

▶ Faculty and Staff

▶ Collaborations

▶ Contact Info and Directions

Clinical Queries - CINAHL

- Searches can be refined using specific search strategies designed to produce results in 5 research areas:
 - Therapy
 - Prognosis
 - Review
 - Qualitative
 - Causation (Aetiology)

Clinical Queries - MEDLINE

- Searches can be refined using specific search strategies designed to produce results in 9 research areas:
 - Therapy
 - Diagnosis
 - Prognosis
 - Reviews
 - Clinical Prediction Guides
 - Qualitative
 - Causation (Aetiology)
 - Costs
 - Economics

Clinical Queries - Strategies

- As research may require different emphasis, three strategies are provided for each area:
 - High Sensitivity – the broadest search to include ALL relevant material. It may include less relevant materials.
 - High Specificity – the most targeted search to include only the most relevant result set, may miss some relevant materials.
 - Best Balance – retrieves the best balance between Sensitivity and Specificity.

CINAHL – Advanced Search

New Search | Publications | CINAHL Headings | Evidence-Based Care Sheets | More | Sign In | Folder | Preferences | Languages | Ask-A-Librarian | Help

Searching: CINAHL Complete | Choose Databases Demonstration Medical Library

Suggest Subject Terms

(MM "Carpal Tunnel Syndrome") ?

AND

AND

[Basic Search](#) | [Advanced Search](#) | [Search History](#)

Search Options

Search Modes and Expanders

Search modes ?

- Boolean/Phrase
- Find all my search terms
- Find any of my search terms
- SmartText Searching [Hint](#)

Apply related words

Also search within the full text of the articles

Limit your results

Full Text

Abstract Available

Author

English Language

Research Article

Search Only Pre-CINAHL

References Available


Published Date
Month Year - Month Year

Publication

Clinical Queries

- All
- Therapy - High Sensitivity**
- Therapy - High Specificity
- Therapy - Best Balance

First Author is Nurse



CINAHL – Search History

New Search | Publications | CINAHL Headings | Evidence-Based Care Sheets | More ▾ | Sign In | Folder | Preferences | Languages ▾ | Ask-A-Librarian | Help

ESKO
SEARCHING: CINAHL Complete | Choose Databases | Demonstration Medical Library

Suggest Subject Terms

(MM "Carpal Tunnel Syndrome") | Select a Field (optional) ▾ | Search | Clear ?

AND ▾ | | Select a Field (optional) ▾



AND ▾ | | Select a Field (optional) ▾ | + | -


Basic Search | Advanced Search | Search History ▾

Search History/Alerts

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

Select / deselect all | [Search with AND](#) | [Search with OR](#) | [Delete Searches](#) | [Refresh Search Results](#)

Search ID#	Search Terms	Search Options	Actions
<input type="checkbox"/> S2	 (MM "Carpal Tunnel Syndrome")	Limiters - Clinical Queries: Therapy - High Sensitivity Search modes - Boolean/Phrase	View Results (488) View Details Edit
<input type="checkbox"/> S1	 (MM "Carpal Tunnel Syndrome")	Search modes - Boolean/Phrase	View Results (1,432) View Details Edit



Evidence-Based limiters - MEDLINE

- MEDLINE – Evidence-Based Medicine (EBM)
 - The EBM Reviews limiter is a quick method to limit your search to the following 6 titles within MEDLINE:
 - The Cochrane Database of Systematic Reviews
 - ACP Journal Club
 - Clinical Evidence
 - Evidence-based Mental Health
 - Evidence-based Nursing
 - Evidence report/Technology assessment
 - This limiter is valuable as it limits your search to a small set of titles that apply very strict criteria and thus include high-quality evidence-based content, including systematic reviews.
 - You can search for a keyword, e.g. headache, and apply this limiter and retrieve a set of more valuable results quickly.

Evidence-Based Limiters - CINAHL

- CINAHL – Evidence-Based Practice (EBP)
 - The Evidence-based practice journal subset is applied to articles from evidence based practice journals including:
 - Cochrane
 - Articles about evidence based practice
 - Research articles (including systematic reviews, clinical trials, meta analyses, qualitative studies)
 - Commentaries on research studies (applying practice to research)
 - Case studies (if they meet the criteria of the use of research)
 - Evidence based practice terms.

The image shows a screenshot of the EBSCOhost Research Databases interface. The main window displays search results for the query "TI asthma* AND TX Corticosteroids". The results list includes items such as "Anti-leukotriene receptor antagonists and children", "Leukotriene receptor antagonists", "Regular treatment with formoterol versus regular treatment with salmeterol for chronic asthma: serious adverse events", and "Regular treatment with formoterol versus regular treatment with salmeterol for chronic asthma: serious adverse events".

An "EBSCO Help - Google Chrome" window is overlaid on the main interface. The window title is "EBSCO Help - Google Chrome" and the address bar shows "support.ebsco.com/help/?int=ehost&lang=en&feature_id=none&TQC_ID=Always&SI=0&BU=0&GU=1&PS=0&ver=live&db=...". The window content includes a search bar, a "Print" button, and a "Close" button. The main heading is "EBSCOhost Research Databases". Below this, there is a "Welcome" section with a list of links: "Browser Requirements", "Setting Preferences", "Choosing Databases", "Trying New Features", "Ask-A-Librarian", "Accessibility", "EBSCOhost Tutorials", "EBSCOhost iPhone and Android Application", and "Reaching Technical Support". There is also a "Translation" section with links: "Changing the Language of the Interface" and "Translating an Article". The "eBooks and Audiobooks" section lists "Audiobooks on EBSCOhost", "eBooks on EBSCOhost", and "Dictionary". The "Searching" section lists "Basic Search", "Advanced Search - Guided Style", "Search History", "Visual Search", and "Improving Search Results".

The "EBSCOhost Research Databases" section in the help window contains the following text: "EBSCOhost is a powerful online reference system accessible via the Internet. It offers a variety of proprietary full text databases and popular databases from leading information providers. The comprehensive databases range from general reference collections to specially designed, subject-specific databases for public, academic, medical, corporate and school libraries. EBSCO Support Site EBSCO's Support Site is available 24 hours a day, 7 days a week. Our FAQ database, tutorials, and user guides can provide answers to your technical questions. EBSCO Customer Support Representatives are also available by phone and e-mail 24 hours a day, Monday through Friday, as well as Saturday and Sunday from 9 a.m. to 5 p.m. (US EST). How to Use Help • When the Help icon appears, you can click the icon and help for the screen you are on will display. • To obtain help for the database(s) you are searching, click the Help icon to the right of the Find field and click on the Database name at the bottom of the left-hand side of the Help window. Database help is also available from the Choose Databases window. • To view the entire Help System, click the Help link at the top right-hand corner of the screen. Note: The recommended screen resolution for EBSCOhost is 1024 x 768. Back

At any time, click on the **Help** link to view the complete online help system.



For more information, visit the EBSCO Support Site
<http://support.ebsco.com>

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