

# DRUG INFORMATION: SEARCHING MEDICAL LITERATURE

*A presentation for HealthTrust Members*

April 1, 2020



Rena Rai, PharmD

PGY-1 Drug Information Resident

# Speaker Disclosures

- The presenter has no real or perceived conflicts of interest related to this presentation.
- Note: This program may contain the mention of suppliers, brands, products, services or drugs presented in a case study or comparative format using evidence-based research. Such examples are intended for educational and informational purposes and should not be perceived as an endorsement of any particular supplier, brand, product, service or drug.

# Learning Objectives: Nurses & Pharmacists



Differentiate between indexing and abstracting services



Explain the differences between MEDLINE and PubMed



Design an effective search strategy in response to a drug information question

# Learning Objectives: Pharmacy Technicians

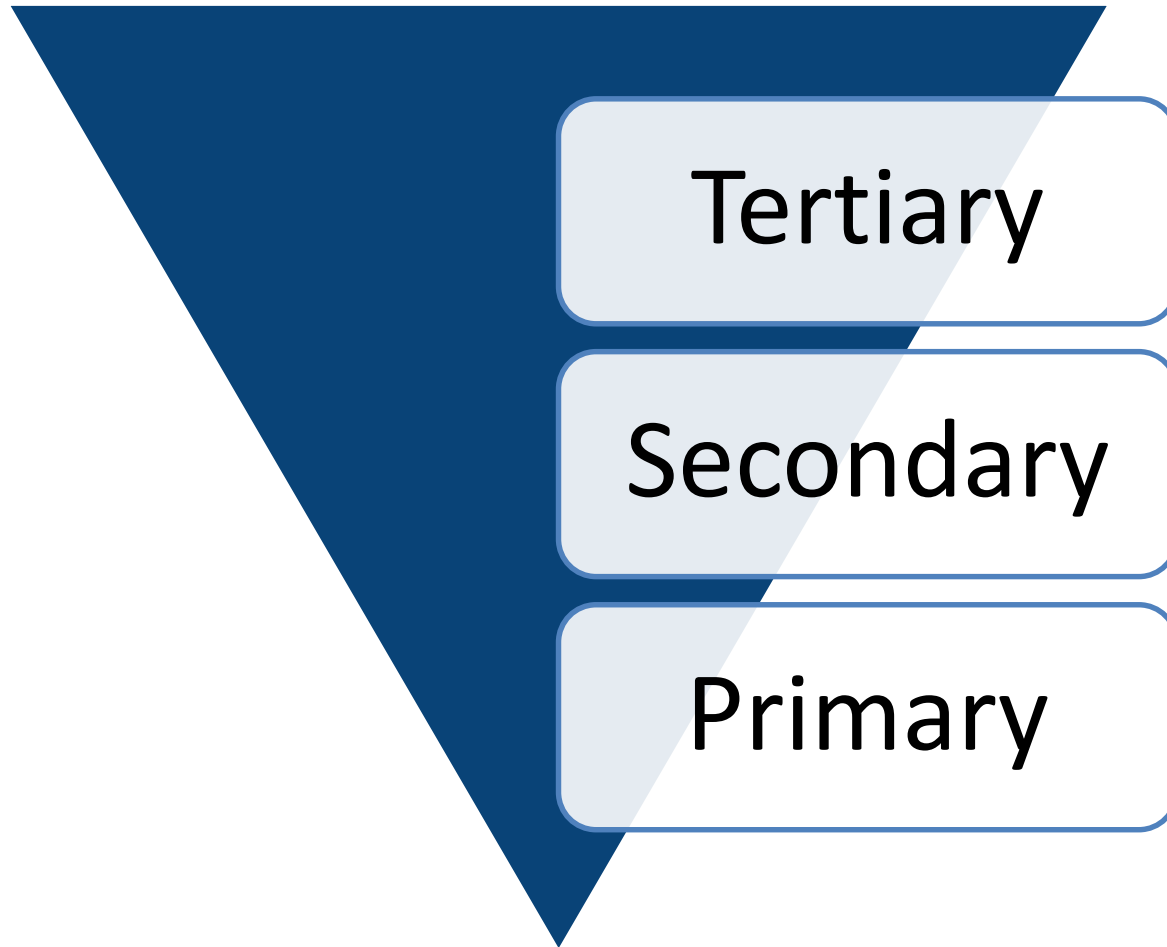


Explain the organization and categorization of medical literature in PubMed and MEDLINE



Develop an effective search strategy in order to locate a specific article

# Types of Resources



# Secondary Resources



Directs the user to primary literature



Compiled by indexing and abstracting services

# Indexing & Abstracting Services

- Facilitate searches for literature from clinical meetings, abstracts, publications, etc.
- Indexing Services
  - Include the citation with or without access to the abstract
- Abstracting Services
  - Include both the citation and abstract

# Types of Search Terms

## Closed Vocabulary

- Set terms by which articles are indexed
- Examples: MeSH terms, Emtree

## Open Vocabulary

- Any word that appears in the title, abstract, author listing, etc.



# Indexing Services

Clin – Alert

Cumulative Index  
for Nursing  
Literature

Cochrane Database  
of Systematic  
Reviews

# Clin-Alert

Indexes literature on adverse events, drug interactions, medication errors and market withdrawals

Published every other week

# Cumulative Index for Nursing & Allied Health Literature (CINAHL)



Indexes nursing and allied health journal literature



Updated weekly



Subscription required

# Cochrane Database of Systematic Reviews

- Focused on providing high quality evidence to support clinical decision making
- Indexes more than 4,650 evidence-based reviews and 2,015 protocols
- Updated quarterly

# Abstracting Services

MEDLINE

PubMed

Google  
Scholar

# MEDLINE

- Developed by the U.S. Library of National Medicine
- Includes articles 5,600+ biomedical journals
- Vendors:
  - Ovid (subscription)
  - EBSCO (subscription)
  - PubMed (free access)

# PubMed

- Free abstracting service
- Searches the same database as MEDLINE
- Provides timely access to medical literature
- Accesses many full text articles

# Google Scholar

- Information is ranked by relevancy
  - Author, publication, number of times the article has been cited

Google Scholar



Articles  Case law



# MEDLINE TUTORIAL

# MEDLINE Home Screen

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#	▲ Searches	Results	Type	Actions	Annotations
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Save All Edit View Saved

**Advanced Search** | Basic Search | Find Citation | Search Tools | Search Fields | Multi-Field Search

1 Resource selected | Hide | Change

Ovid MEDLINE(R) ALL 1946 to February 03, 2020

Enter keyword or phrase (\* or \$ for truncation)

Keyword  Author  Title  Journal

Search

▼ Limits (close)  Include Multimedia  Map Term to Subject Heading

<input type="checkbox"/> Abstracts	<input type="checkbox"/> Structured Abstracts	<input type="checkbox"/> English Language
<input type="checkbox"/> Full Text	<input type="checkbox"/> Review Articles	<input type="checkbox"/> Humans
<input type="checkbox"/> Core Clinical Journals (AIM)	<input type="checkbox"/> Latest Update	<input type="checkbox"/> Pharmacologic Actions

Publication Year - -

Additional Limits Edit Limits

# Mapping to a MeSH Term

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▼ Search History (0) View Saved

#	Searches	Results	Type	Actions	Annotations
-	-	-	-	-	-

Save Remove Combine with: AND OR

Save All Edit View Saved

---

**Advanced Search** | [Basic Search](#) | [Find Citation](#) | [Search Tools](#) | [Search Fields](#) | [Multi-Field Search](#)

1 Resource selected | [Hide](#) | [Change](#)


**Ovid MEDLINE(R) ALL** 1946 to February 03, 2020

Enter keyword or phrase (\* or \$ for truncation)  Keyword  Author  Title  Journal

▼ Limits (close)  Include Multimedia  Map Term to Subject Heading

<input type="checkbox"/> Abstracts	<input type="checkbox"/> Structured Abstracts	<input type="checkbox"/> English Language
<input type="checkbox"/> Full Text	<input type="checkbox"/> Review Articles	<input type="checkbox"/> Humans
<input type="checkbox"/> Core Clinical Journals (AIM)	<input type="checkbox"/> Latest Update	<input type="checkbox"/> Pharmacologic Actions

Publication Year  -



# Mapping to a MeSH Term

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**Your term mapped to the following Subject Headings:**  
Click on a subject heading to view more general and more specific terms within the tree.  
*Term mapped through permuted index*

**Include All Subheadings**

Combine with:

Select	Subject Heading	Explode	Focus	Scope
<input checked="" type="checkbox"/>	<a href="#">Asthma</a>	<input type="checkbox"/>	<input type="checkbox"/>	<a href="#">i</a>
<input type="checkbox"/>	<a href="#">Asthma, Aspirin-Induced</a>	<input type="checkbox"/>	<input type="checkbox"/>	<a href="#">i</a>
<input type="checkbox"/>	<a href="#">Asthma, Occupational</a>	<input type="checkbox"/>	<input type="checkbox"/>	<a href="#">i</a>
<input type="checkbox"/>	<a href="#">Asthma, Exercise-Induced</a>	<input type="checkbox"/>	<input type="checkbox"/>	<a href="#">i</a>
<input type="checkbox"/>	asthma.mp. <i>search as Keyword</i>			

**Hints:**

- Trigger a [Subject Heading link](#) to view its tree - related terms that are more general and more specific.
- Select the **Explode** box if you wish to retrieve results using the selected term and all of its more specific terms.
- Select the **Focus** box if you wish to limit your search to those documents in which your subject heading is considered the major point of the article.
- If your search did not map to a desirable subject heading, select the box **Search as Keyword**.
- If you select more than one term, you can combine them using a boolean operator (**AND** or **OR**).

# MeSH Terms

- MeSH = Medical Subject Heading
  - A set of terms naming descriptions in a hierarchical structure tree that enables the user to search at varying levels of specificity
- Closed vocabulary of the US National Institute for Health (NIH)
- Utilized to index articles in MEDLINE

# Accessing the MeSH Tree

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**Include All Subheadings**  
Combine with:

Select	Subject heading	Explode	Focus	Scope
<input checked="" type="checkbox"/>	<a href="#">Asthma</a>	<input type="checkbox"/>	<input type="checkbox"/>	<a href="#">i</a>
<input type="checkbox"/>	<a href="#">Asthma, Aspirin-Induced</a>	<input type="checkbox"/>	<input type="checkbox"/>	<a href="#">i</a>
<input type="checkbox"/>	<a href="#">Asthma, Occupational</a>	<input type="checkbox"/>	<input type="checkbox"/>	<a href="#">i</a>
<input type="checkbox"/>	<a href="#">Asthma, Exercise-Induced</a>	<input type="checkbox"/>	<input type="checkbox"/>	<a href="#">i</a>
<input type="checkbox"/>	asthma.mp. search as Keyword			

**Hints:**

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- Select the Focus box if you wish to limit your search to those documents in which your subject heading is considered the major point of the article.
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- If you select more than one term, you can combine them using a boolean operator (AND or OR).

# MeSH Tree

Select Term(s)	Subject Heading	Hits	Explode	Focus	Scope Note
[+] <input type="checkbox"/> Anatomy (Non MeSH)		0	<input type="checkbox"/>	<input type="checkbox"/>	<a href="#">i</a>
[+] <input type="checkbox"/> Organisms (Non MeSH)		0	<input type="checkbox"/>	<input type="checkbox"/>	<a href="#">i</a>
[-] <input type="checkbox"/> Diseases (Non MeSH)		0	<input type="checkbox"/>	<input type="checkbox"/>	<a href="#">i</a>
[+] <input type="checkbox"/> Bacterial Infections and Mycoses		0	<input type="checkbox"/>	<input type="checkbox"/>	<a href="#">i</a>
[+] <input type="checkbox"/> Virus Diseases		37980	<input type="checkbox"/>	<input type="checkbox"/>	<a href="#">i</a>
[+] <input type="checkbox"/> Parasitic Diseases		8278	<input type="checkbox"/>	<input type="checkbox"/>	<a href="#">i</a>
[+] <input type="checkbox"/> Neoplasms		413976	<input type="checkbox"/>	<input type="checkbox"/>	<a href="#">i</a>
[+] <input type="checkbox"/> Musculoskeletal Diseases		12430	<input type="checkbox"/>	<input type="checkbox"/>	<a href="#">i</a>
[+] <input type="checkbox"/> Digestive System Diseases		4761	<input type="checkbox"/>	<input type="checkbox"/>	<a href="#">i</a>
[+] <input type="checkbox"/> Stomatognathic Diseases		1074	<input type="checkbox"/>	<input type="checkbox"/>	<a href="#">i</a>
[-] <input type="checkbox"/> Respiratory Tract Diseases		21911	<input type="checkbox"/>	<input type="checkbox"/>	<a href="#">i</a>
[-] <input type="checkbox"/> Bronchial Diseases		8590	<input type="checkbox"/>	<input type="checkbox"/>	<a href="#">i</a>
[-] <input checked="" type="checkbox"/> Asthma		123368	<input type="checkbox"/>	<input type="checkbox"/>	<a href="#">i</a>
<input type="checkbox"/> Asthma, Aspirin-Induced		315	<input type="checkbox"/>	<input type="checkbox"/>	<a href="#">i</a>
<input type="checkbox"/> Asthma, Exercise-Induced		2257	<input type="checkbox"/>	<input type="checkbox"/>	<a href="#">i</a>
<input type="checkbox"/> Asthma, Occupational		544	<input type="checkbox"/>	<input type="checkbox"/>	<a href="#">i</a>
<input type="checkbox"/> Status Asthmaticus		1240	<input type="checkbox"/>	<input type="checkbox"/>	<a href="#">i</a>
<input type="checkbox"/> Bronchial Fistula		4021	<input type="checkbox"/>	<input type="checkbox"/>	<a href="#">i</a>
<input type="checkbox"/> Bronchial Hyperreactivity		7324	<input type="checkbox"/>	<input type="checkbox"/>	<a href="#">i</a>
<input type="checkbox"/> Bronchial Neoplasms		11735	<input type="checkbox"/>	<input type="checkbox"/>	<a href="#">i</a>
<input type="checkbox"/> Bronchial Spasm		4293	<input type="checkbox"/>	<input type="checkbox"/>	<a href="#">i</a>
[+] <input type="checkbox"/> Bronchiectasis		7886	<input type="checkbox"/>	<input type="checkbox"/>	<a href="#">i</a>
[+] <input type="checkbox"/> Bronchitis		20404	<input type="checkbox"/>	<input type="checkbox"/>	<a href="#">i</a>
<input type="checkbox"/> Bronchogenic Cyst		1284	<input type="checkbox"/>	<input type="checkbox"/>	<a href="#">i</a>
<input type="checkbox"/> Bronchopneumonia		4005	<input type="checkbox"/>	<input type="checkbox"/>	<a href="#">i</a>
[+] <input type="checkbox"/> Tracheobronchomalacia		169	<input type="checkbox"/>	<input type="checkbox"/>	<a href="#">i</a>
<input type="checkbox"/> Tracheobronchomegaly		192	<input type="checkbox"/>	<input type="checkbox"/>	<a href="#">i</a>
[+] <input type="checkbox"/> Ciliary Motility Disorders		1029	<input type="checkbox"/>	<input type="checkbox"/>	<a href="#">i</a>

# Searching by Keyword

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**Your term mapped to the following Subject Headings:**  
Click on a subject heading to view more general and more specific terms within the tree.

**Include All Subheadings**

Combine with:

Select	Subject Heading	Explode	Focus	Scope
<input type="checkbox"/>	<a href="#">Anti-HIV Agents</a>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="button" value="I"/>
<input type="checkbox"/>	<a href="#">"Heterocyclic Compounds, 4 or More Rings"</a>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="button" value="I"/>
<input type="checkbox"/>	<a href="#">Reverse Transcriptase Inhibitors</a>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="button" value="I"/>
<input type="checkbox"/>	<a href="#">Adenine</a>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="button" value="I"/>
<input type="checkbox"/>	<a href="#">Drug Approval</a>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="button" value="I"/>
<input type="checkbox"/>	<a href="#">HIV Infections</a>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="button" value="I"/>
<input type="checkbox"/>	<a href="#">Emtricitabine</a>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="button" value="I"/>
<input type="checkbox"/>	<a href="#">Humans</a>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="button" value="I"/>
<input type="checkbox"/>	<a href="#">"United States Food and Drug Administration"</a>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="button" value="I"/>
<input type="checkbox"/>	<a href="#">Clonidine</a>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="button" value="I"/>
<input type="checkbox"/>	<a href="#">biktaryv.mp. search as Keyword</a>			

**Hints:**

- Trigger a Subject Heading link to view its tree - related terms that are more general and more specific.
- Select the Explode box if you wish to retrieve results using the selected term and all of its more specific terms.
- Select the Focus box if you wish to limit your search to those documents in which your subject heading is considered the major point of the article.
- If your search did not map to a desirable subject heading, select the box Search as Keyword.
- If you select more than one term, you can combine them using a boolean operator (AND or OR).



# When to Keyword Search



Researching new drugs or disease states that do not have a MeSH term



Articles cannot be found using MeSH terms

# Accessing the Scope Note












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**Your term mapped to the following Subject Headings:**  
Click on a subject heading to view more general and more specific terms within the tree.

**Include All Subheadings**  
Combine with:

Select	Subject Heading	Explode	Focus	Scope Note
<input checked="" type="checkbox"/>	<a href="#">Pediatrics</a>	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	<a href="#">Thiorphan</a>	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	<a href="#">Antidiarrheals</a>	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	<a href="#">Epstein-Barr Virus Infections</a>	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	<a href="#">Humans</a>	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	<a href="#">Child</a>	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	<a href="#">Diarrhea</a>	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	Female	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	<a href="#">Fertility Preservation</a>	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	Male	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	<i>pediatrics.mp. search as Keyword</i>	<input type="checkbox"/>	<input type="checkbox"/>	

**Hints:**

- Trigger a Subject Heading link to view its tree - related terms that are more general and more specific.
- Select the Explode box if you wish to retrieve results using the selected term and all of its more specific terms.
- Select the Focus box if you wish to limit your search to those documents in which your subject heading is considered the major point of the article.
- If your search did not map to a desirable subject heading, select the box Search as Keyword.
- If you select more than one term, you can combine them using a boolean operator (AND or OR).

# Scope Note

- Utilized to define MeSH terms and obtain additional information

Category	Explanation
Scope	Defines the MeSH term
Note	Provides additional information about the topic
Year of Entry	Year the MeSH term was added
Previous Indexing	Details the categories the search terms was under before the MeSH term was added
Use	Keywords that will trigger the use of the MeSH term

# Scope Note

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Scope Note for: *Pediatrics*

**MeSH HEADING:** PEDIATRICS

**SCOPE:** A medical specialty concerned with maintaining health and providing medical care to children from birth to adolescence.

**NOTE:** SPEC; when permitted for "pediatric dis": Manual 28.10.1

**REFERENCES:**

Used For:

pediatrics

# Subheadings

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**Your term mapped to the following Subject Headings:**  
Click on a subject heading to view more general and more specific terms within the tree.  
*Term mapped through permuted index.*

**Include All Subheadings**

Combine with:

Select	Subject Heading	Explode	Focus	Scope
<input checked="" type="checkbox"/>	<a href="#">Asthma</a>	<input type="checkbox"/>	<input type="checkbox"/>	<a href="#">i</a>
<input type="checkbox"/>	<a href="#">Asthma, Aspirin-Induced</a>	<input type="checkbox"/>	<input type="checkbox"/>	<a href="#">i</a>
<input type="checkbox"/>	<a href="#">Asthma, Occupational</a>	<input type="checkbox"/>	<input type="checkbox"/>	<a href="#">i</a>
<input type="checkbox"/>	<a href="#">Asthma, Exercise-Induced</a>	<input type="checkbox"/>	<input type="checkbox"/>	<a href="#">i</a>
<input type="checkbox"/>	asthma.mp. search as Keyword			

**Hints:**

- Trigger a Subject Heading link to view its tree - related terms that are more general and more specific.
- Select the Explode box if you wish to retrieve results using the selected term and all of its more specific terms.
- Select the Focus box if you wish to limit your search to those documents in which your subject heading is considered the major point of the article.
- If your search did not map to a desirable subject heading, select the box Search as Keyword.
- If you select more than one term, you can combine them using a boolean operator (AND or OR).

# Subheadings

Assist in narrowing a search

Subheadings are standard for different fields

- Allows searching within a specific area

Cannot be used with keyword searches

# Subheadings

The screenshot displays the Ovid search interface. At the top, the Ovid logo is on the left, and navigation links for Search Tools, My Account, Ask a Librarian, and Support & T are on the right. A blue navigation bar contains buttons for Search, Journals, Books, My Workspace, Visible Body, EBP Tools, and Multimedia. Below this, the page is divided into two main sections: 'Subheadings for: Dexamethasone' and 'Subheadings for: Asthma'. Each section includes a 'Combine with:' dropdown menu (set to 'OR') and a 'Continue' button. The 'Dexamethasone' section lists 50,741 subheadings, including 'Include All Subheadings (50741)', 'Administration & Dosage (10387)', 'Adverse Effects (3126)', 'Agonists (10)', 'Analog & Derivatives (811)', 'Analysis (238)', 'Antagonists & Inhibitors (362)', 'Blood (401)', 'Cerebrospinal Fluid (7)', 'Chemical Synthesis (22)', 'Chemistry (615)', 'Classification (1)', 'Economics (50)', 'Genetics (3)', 'History (4)', 'Immunology (111)', 'Rehabilitation (111)', 'Statistics & Numerical Data (37)', 'Surgery (412)', 'Therapy (15699)', 'Urine (416)', 'Veterinary (148)', and 'Virology (621)'. The 'Asthma' section lists 123,385 subheadings, including 'Include All Subheadings (123385)', 'Anatomy & Histology (1)', 'Blood (5261)', 'Cerebrospinal Fluid (3)', 'Chemically Induced (4537)', 'Classification (1100)', 'Complications (10309)', 'Congenital (6)', 'Diagnosis (16474)', 'Diagnostic Imaging (818)', 'Diet Therapy (183)', 'Drug Effects (1)', 'Drug Therapy (35228)', 'Economics (1535)', 'Embryology (38)', 'Enzymology (1031)', 'Epidemiology (15978)', 'Ethnology (1170)', 'Etiology (13788)', 'Genetics (6325)', and 'History (379)'. On the right side of the 'Dexamethasone' section, there is a list of subheadings with counts: 'Isolation & Purification (22)', 'Metabolism (2036)', 'Pathogenicity (1)', 'Pharmacokinetics (655)', 'Pharmacology (24136)', 'Physiology (14)', 'Poisoning (4)', 'Radiation Effects (3)', 'Standards (14)', 'Supply & Distribution (2)', 'Therapeutic Use (10439)', 'Therapy (41)', 'Toxicity (627)', and 'Urine (79)'. At the bottom right, the RWJBarnabas Health logo is displayed.

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**Your term mapped to the following Subject Headings:**  
Click on a subject heading to view more general and more specific terms within the tree.  
*Term mapped through permuted index*

**Include All Subheadings**  
Combine with:



Select	Subject Heading	Explode	Focus	Scope
<input checked="" type="checkbox"/>	<a href="#">Asthma</a>	<input type="checkbox"/>	<input type="checkbox"/>	<a href="#">i</a>
<input type="checkbox"/>	<a href="#">Asthma, Aspirin-Induced</a>	<input type="checkbox"/>	<input type="checkbox"/>	<a href="#">i</a>
<input type="checkbox"/>	<a href="#">Asthma, Occupational</a>	<input type="checkbox"/>	<input type="checkbox"/>	<a href="#">i</a>
<input type="checkbox"/>	<a href="#">Asthma, Exercise-Induced</a>	<input type="checkbox"/>	<input type="checkbox"/>	<a href="#">i</a>
<input type="checkbox"/>	asthma.mp. <i>search as Keyword</i>			

**Hints:**

- Trigger a Subject Heading link to view its tree - related terms that are more general and more specific.
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- If you select more than one term, you can combine them using a boolean operator (AND or OR).



# Exploding the Search

## Tree for Asthma

Combine with:  ▾

Scroll down for highlighted search term.

Select Term(s)	Subject Heading	Hits	Explode
[+] <input type="checkbox"/> Anatomy (Non MeSH)		0	<input type="checkbox"/>
[+] <input type="checkbox"/> Organisms (Non MeSH)		0	<input type="checkbox"/>
[-] <input type="checkbox"/> Diseases (Non MeSH)		0	<input type="checkbox"/>
[+] <input type="checkbox"/> Bacterial Infections and Mycoses		0	<input type="checkbox"/>
[+] <input type="checkbox"/> Virus Diseases		37980	<input type="checkbox"/>
[+] <input type="checkbox"/> Parasitic Diseases		8278	<input type="checkbox"/>
[+] <input type="checkbox"/> Neoplasms		413976	<input type="checkbox"/>
[+] <input type="checkbox"/> Musculoskeletal Diseases		12430	<input type="checkbox"/>
[+] <input type="checkbox"/> Digestive System Diseases		4761	<input type="checkbox"/>
[+] <input type="checkbox"/> Stomatognathic Diseases		1074	<input type="checkbox"/>
[-] <input type="checkbox"/> Respiratory Tract Diseases		21911	<input type="checkbox"/>
[-] <input type="checkbox"/> Bronchial Diseases		8590	<input type="checkbox"/>
[-] <input checked="" type="checkbox"/> Asthma		123368	<input checked="" type="checkbox"/>
<input type="checkbox"/> Asthma, Aspirin-Induced		315	<input type="checkbox"/>
<input type="checkbox"/> Asthma, Exercise-Induced		2257	<input type="checkbox"/>
<input type="checkbox"/> Asthma, Occupational		544	<input type="checkbox"/>
<input type="checkbox"/> Status Asthmaticus		1240	<input type="checkbox"/>
<input type="checkbox"/> Bronchial Fistula		4021	<input type="checkbox"/>

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▼ Search History (2) [View Saved](#) ⋮

<input type="checkbox"/>	# ▲	Searches	Results	Type	Actions	Annotations
<input type="checkbox"/>	1	Asthma/	123681	Advanced	<a href="#">Display Results</a> <a href="#">More ▾</a>	
<input type="checkbox"/>	2	exp Asthma/	126200	Advanced	<a href="#">Display Results</a> <a href="#">More ▾</a>	

Combine with:



# Focus the Search

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**Include All Subheadings**  
Combine with:

Select	Subject Heading	Explode	Focus	Scope
<input checked="" type="checkbox"/>	<a href="#">Asthma</a>	<input type="checkbox"/>	<input type="checkbox"/>	<a href="#">i</a>
<input type="checkbox"/>	<a href="#">Asthma, Aspirin-Induced</a>	<input type="checkbox"/>	<input type="checkbox"/>	<a href="#">i</a>
<input type="checkbox"/>	<a href="#">Asthma, Occupational</a>	<input type="checkbox"/>	<input type="checkbox"/>	<a href="#">i</a>
<input type="checkbox"/>	<a href="#">Asthma, Exercise-Induced</a>	<input type="checkbox"/>	<input type="checkbox"/>	<a href="#">i</a>
<input type="checkbox"/>	<a href="#">asthma.mp. search as Keyword</a>			

**Hints:**

- Trigger a Subject Heading link to view its tree - related terms that are more general and more specific.
- Select the Explode box if you wish to retrieve results using the selected term and all of its more specific terms.
- Select the Focus box if you wish to limit your search to those documents in which your subject heading is considered the major point of the article.
- If your search did not map to a desirable subject heading, select the box Search as Keyword.
- If you select more than one term, you can combine them using a boolean operator (AND or OR).



# Focusing the Search

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▼ Search History (3) View Saved

# ▲	Searches	Results	Type	Actions	Annotations
1	Asthma/	123681	Advanced	Display Results More ▼	🗨
2	exp Asthma/	126200	Advanced	Display Results More ▼	🗨
3	*Asthma/	101900	Advanced	Display Results More ▼	🗨

A red arrow points to the search entry with the number 3 in the first column.

# Limiting a Search

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▼ **Search History** (0) [View Saved](#)

# ▲	Searches	Results	Type	Actions	Annotations
-	-	-	-	-	-

Combine with:

[View Saved](#)

---

**Advanced Search** | [Basic Search](#) | [Find Citation](#) | [Search Tools](#) | [Search Fields](#) | [Multi-Field Search](#)

1 Resource selected | [Hide](#) | [Change](#)

**Ovid MEDLINE(R) ALL** 1946 to February 03, 2020

Enter keyword or phrase (\* or \$ for truncation)  **Keyword**  Author  Title  Journal

▼ **Limits** (close)  Include Multimedia  Map Term to Subject Heading

Abstracts  Structured Abstracts  English Language

Full Text  Review Articles  Humans

Core Clinical Journals (AIM)  Latest Update  Pharmacologic Actions

Publication Year -  -



# Additional Limits

Limit A Search

Searches	Results	Type
1 Asthma/	123368	Advanced

## Limits

Abstracts  
 Male  
 Ovid Full Text Available  
 Humans  
 Pharmacologic Actions

Structured Abstracts  
 Animals  
 Full Text  
 Core Clinical Journals (AIM)

English Language  
 Female  
 Review Articles  
 Latest Update

Publication Year - -

To select or remove multiple items from a list below, hold down the Shift, Ctrl, or "Apple" key while selecting.

**Age Groups**

- All Infant (birth to 23 months)
- All Child (0 to 18 years)
- All Adult (19 plus years)
- Newborn Infant (birth to 1 month)
- Infant (1 to 23 months)

**Animal Types**

- Cats
- Cattle
- Chick Embryo
- Dogs
- Goats

**CheckTags**

- Age
- Animals
- Female
- Humans
- Male

**Clinical Queries**

- Reviews (maximizes sensitivity)
- Reviews (maximizes specificity)
- Reviews (best balance of sensitivity and specificity)
- Therapy (maximizes sensitivity)
- Therapy (maximizes specificity)

**Subject Subsets**

**Journal Subsets**

- AIDS/HIV Journals
- Core Clinical Journals (AIM)
- Bioethics Journals
- Biotechnology Journals
- Communication Disorders Journals

**Languages**

- Afrikaans
- Albanian
- Arabic
- Armenian
- Azerbaijani

**Publication Types**

- Adaptive Clinical Trial
- Address
- Autobiography
- Bibliography
- Biography

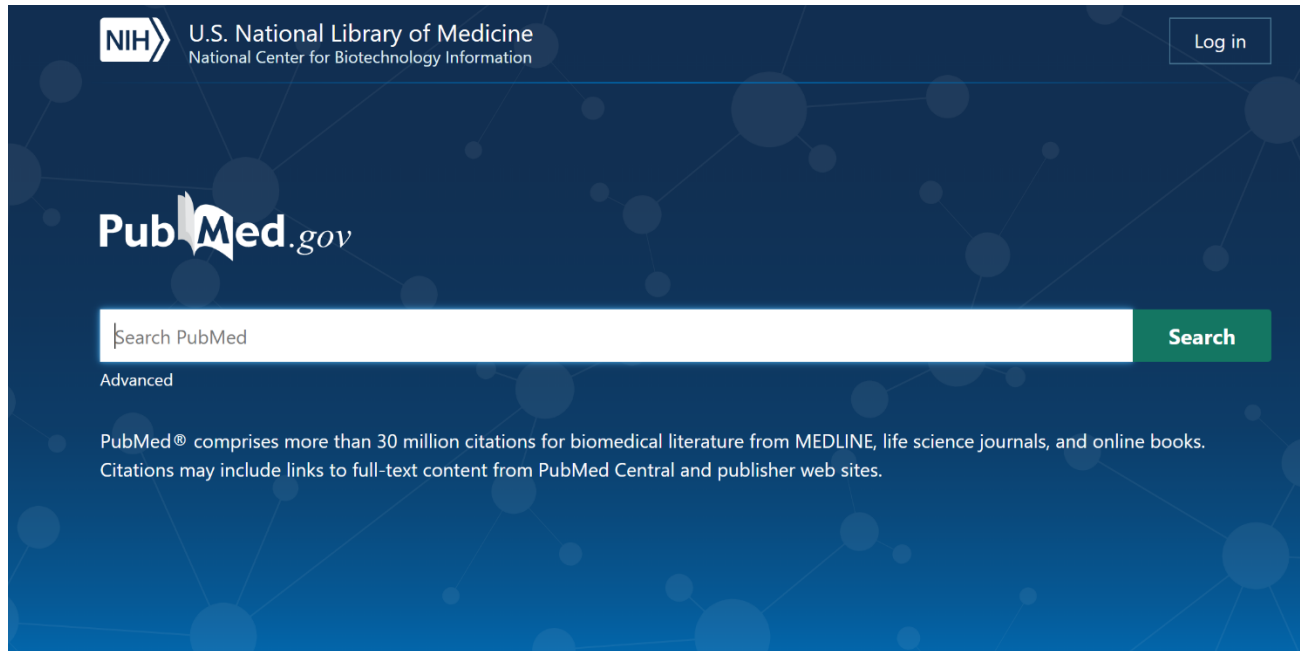
**Status**

- In Data Review
- In Process
- MEDLINE
- Publisher
- PubMed Not MEDLINE

**Special Ovid Filters for MEDLINE**

# PUBMED TUTORIAL

# PubMed Homepage



The screenshot shows the PubMed homepage with a dark blue background and a network diagram of white nodes and lines. At the top left is the NIH logo and the text "U.S. National Library of Medicine National Center for Biotechnology Information". At the top right is a "Log in" button. The PubMed logo is centered. Below it is a search bar with the placeholder text "Search PubMed" and a green "Search" button. Under the search bar is the word "Advanced". Below that is a paragraph: "PubMed® comprises more than 30 million citations for biomedical literature from MEDLINE, life science journals, and online books. Citations may include links to full-text content from PubMed Central and publisher web sites."



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Advanced Search  
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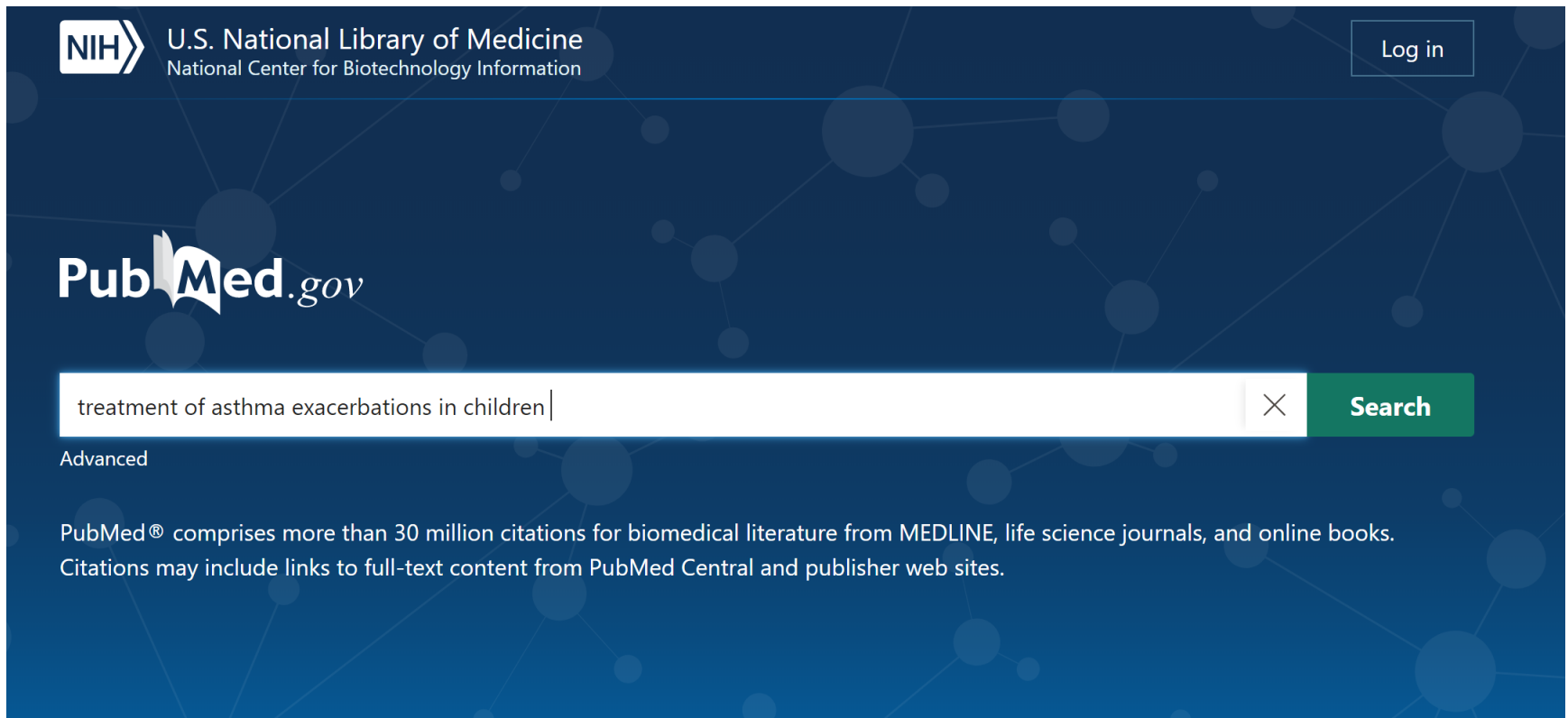
MeSH Database  
Journals

<https://pubmed.ncbi.nlm.nih.gov/>

**RWJ**Barnabas  
HEALTH



# Searching by Phrase



The screenshot shows the PubMed.gov search page. At the top left is the NIH logo and the text "U.S. National Library of Medicine National Center for Biotechnology Information". At the top right is a "Log in" button. The PubMed.gov logo is prominently displayed in the center. Below it is a search bar containing the text "treatment of asthma exacerbations in children". To the right of the search bar is a green "Search" button. Below the search bar, the word "Advanced" is visible. At the bottom of the page, there is a paragraph of text: "PubMed® comprises more than 30 million citations for biomedical literature from MEDLINE, life science journals, and online books. Citations may include links to full-text content from PubMed Central and publisher web sites."

NIH U.S. National Library of Medicine  
National Center for Biotechnology Information

Log in

PubMed.gov

treatment of asthma exacerbations in children

Search

Advanced

PubMed® comprises more than 30 million citations for biomedical literature from MEDLINE, life science journals, and online books. Citations may include links to full-text content from PubMed Central and publisher web sites.

# Advanced Search

The screenshot shows the PubMed.gov homepage. At the top left is the NIH logo and the text "U.S. National Library of Medicine National Center for Biotechnology Information". At the top right is a "Log in" button. The main heading is "PubMed.gov". Below it is a search bar with the placeholder text "Search PubMed" and a green "Search" button. Under the search bar, the word "Advanced" is displayed. A paragraph of text reads: "PubMed® comprises more than 30 million citations for biomedical literature from MEDLINE, life science journals, and online books. Citations may include links to full-text content from PubMed Central and publisher web sites."



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# Advanced Search



U.S. National Library of Medicine  
National Center for Biotechnology Information

Log in

## PubMed Advanced Search Builder




Add terms to the query box

All Fields   

AND 

Show Index

Query box



Search 

# Filtering a Search

MYNCBI FILTERS

56,583 results

RESULTS BY YEAR



TEXT AVAILABILITY

- Abstract
- Free full text
- Full text

ARTICLE ATTRIBUTE

- Associated data

ARTICLE TYPE

- Books and Documents
- Clinical Trial
- Meta-Analysis
- Randomized Controlled Trial
- Review
- Systematic Reviews

PUBLICATION DATE

- 1 year
- 5 years
- 10 years

Additional filters

Reset all filters

**Severe asthma in children: Evaluation of the impact of the 2019 Global Strategy for Asthma Management and Prevention**  
1 Haktanir Abul M and Phipatanakul W. *Allergy* 2020;75(12):2403-2412. doi:10.1111/all.14788.  
Severe **asthma in children** is associated with increased risk for adverse outcomes including exacerbations, and impaired quality of life. Despite correct inhaler technique and good adherence, severe **asthma** according to the guidelines(1,2), should be managed as follows...

“ Cite Share

**Severe Asthma in Children: A Systematic Review and Meta-Analysis**  
2 Ramratnam SK, et al. *J Allergy Clin Immunol* 2020;145(5):1153-1162. doi:10.1016/j.jaci.2020.03.038.  
Severe **asthma in children** is associated with disorder with multiple clinical phenotypes, including regular follow-up appointments by a multidisciplinary team...

“ Cite Share

**Dog characteristics and future risk of asthma: A systematic review and meta-analysis**  
3 Fall T, et al. *Sci Rep* 2020;10(1):1-11. doi:10.1038/s41598-020-70429-2.  
The prevalence of **asthma** at age six was 5.0% in **children** with two dogs or more. The OR = 0.74 (95% CI 0.65 to 0.95). **Children** with exposure to dog breeds anecdotally described as **asthma** or allergy (11.7% vs 7.6%, p < 0.001) were more likely to have **asthma** or allergy...

“ Cite Share

**Risk Factors in Preschool Children for Predicting Asthma During the Preschool Age and the Early School Age: a Systematic Review and Meta-Analysis**  
4 Bao Y, et al. *Curr Allergy Asthma Rep* 2017 - Review. PMID 29151195  
PURPOSE OF REVIEW: The aim of this study was to identify risk factors of **asthma** among **children** < 6 years old (preschool age) for predicting **asthma** during the preschool age and early school age (≤ 10 years of age). ...Studies had to have evaluated risk factors or a predictive model for developing **asthma** in **children** ≤ 6 years of age or persistent **asthma** in early school age...

“ Cite Share

## ARTICLE TYPE

SPECIES

LANGUAGE

SEX

SUBJECT

JOURNAL

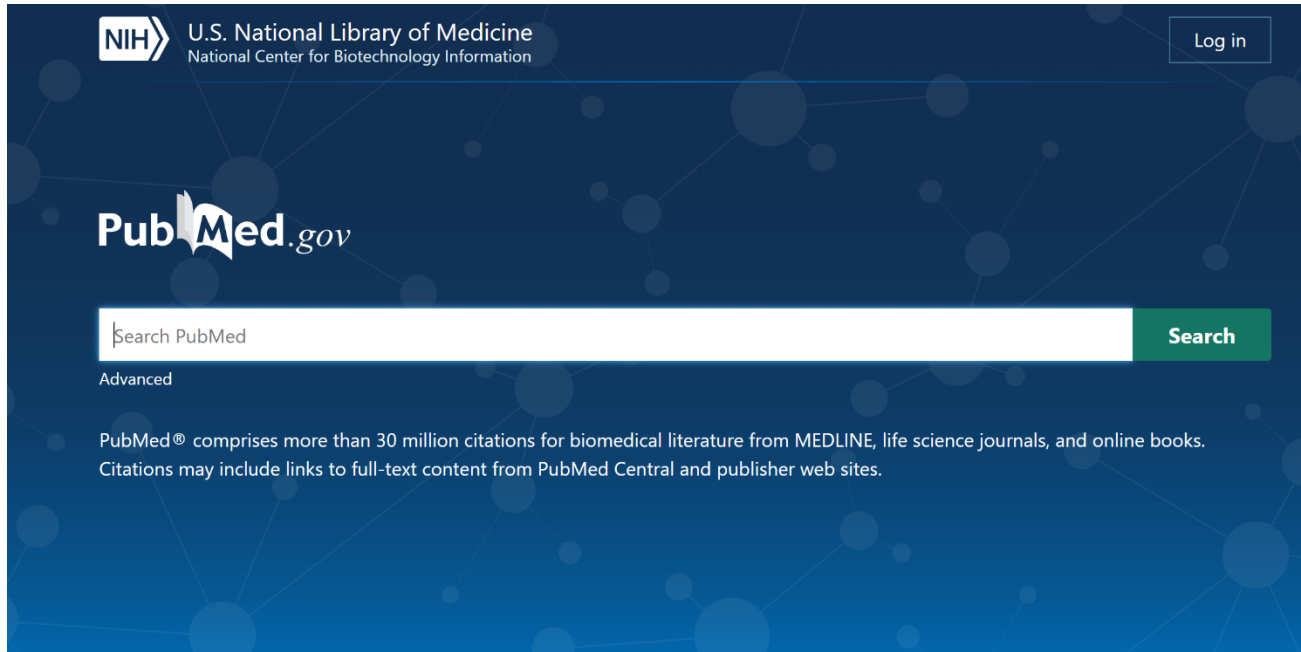
AGE

- Address
- Autobiography
- Bibliography
- Biography
- Case Reports
- Classical Article
- Clinical Conference
- Clinical Study
- Clinical Trial Protocol
- Clinical Trial, Phase I
- Clinical Trial, Phase II
- Clinical Trial, Phase III
- Introductory Journal Article
- Journal Article
- Lecture
- Legal Case
- Legislation
- Letter
- Multicenter Study
- News
- Newspaper Article
- Observational Study
- Observational Study, Veterinary
- Overall

Cancel

Show

# Single Citation Finder



The screenshot shows the PubMed.gov homepage. At the top left is the NIH logo and the text "U.S. National Library of Medicine National Center for Biotechnology Information". At the top right is a "Log in" button. The main heading is "PubMed.gov". Below it is a search bar with the placeholder text "Search PubMed" and a green "Search" button. Under the search bar, it says "Advanced". A paragraph of text reads: "PubMed® comprises more than 30 million citations for biomedical literature from MEDLINE, life science journals, and online books. Citations may include links to full-text content from PubMed Central and publisher web sites."



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# Single Citation Search

## PubMed Single Citation Matcher

Use this tool to find PubMed citations. You may omit any field.

Journal <a href="#">Help</a>	<input type="text"/>		
Date	<input type="text" value="yyyy/mm/dd"/>	(month and day are optional)	
Details	Volume	Issue	First page
	<input type="text"/>	<input type="text"/>	<input type="text"/>
Author name <a href="#">Help</a>	<input type="text"/>		
Limit authors	<input type="checkbox"/> Only as first author	<input type="checkbox"/> Only as last author	
Title words	<input type="text"/>		

Search

[Clear form](#)

# Searching for A Specific Article

## PubMed Single Citation Matcher

Use this tool to find PubMed citations. You may omit any field.

Journal [Help](#)

Date  (month and day are optional)

Details

Volume	Issue	First page
<input type="text"/>	<input type="text"/>	<input type="text"/>

Author name [Help](#)

Limit authors  Only as first author  Only as last author

Title words

Search

[Clear form](#)

# Searching for A Specific Article

PubMed.gov

"Clinical infectious diseases : an official publication of the Infectious Diseases



Search

Advanced

Found 1 result for "Clinical infectious diseases : an official publication of ..."

Save

Email



> Clin Infect Dis 2019 Aug 10[Online ahead of print]

## RESTORE-IMI 1: A Multicenter, Randomized, Double-blind Trial Comparing Efficacy and Safety of Imipenem/Relebactam vs Colistin Plus Imipenem in Patients With Imipenem-nonsusceptible Bacterial Infections

Johann Motsch<sup>1</sup>, Cláudia Murta de Oliveira<sup>2</sup>, Viktor Stus<sup>3</sup>, Iftihar Köksal<sup>4</sup>, Olexiy Lyulko<sup>5</sup>, Helen W Boucher<sup>6</sup>, Keith S Kaye<sup>7</sup>, Thomas M File<sup>8</sup>, Michelle L Brown<sup>9</sup>, Ireen Khan<sup>9</sup>, Jiejun Du<sup>9</sup>, Hee-Koung Joeng<sup>9</sup>, Robert W Tipping<sup>9</sup>, Angela Aggrey<sup>9</sup>, Katherine Young<sup>9</sup>, Nicholas A Kartsonis<sup>9</sup>, Joan R Butters<sup>9</sup>, Amanda Paschke<sup>9</sup>

Affiliations + expand

PMID: 31400759 DOI: 10.1093/cid/ciz530

Abstract

FULL TEXT LINKS

OXFORD  
ACADEMIC

ACTIONS

“ Cite

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< Title & authors



# Sample Search

What clinical trials are available regarding the use of dexamethasone for asthma exacerbations in children?

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▼ Search History (3)

<input type="checkbox"/>	# ▲	Searches	Results
<input type="checkbox"/>	1	Asthma/	123368
<input type="checkbox"/>	2	*Dexamethasone/	23575
<input type="checkbox"/>	3	Child/	1658179

Combine with:

# Combing Terms

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▼ Search History (3)

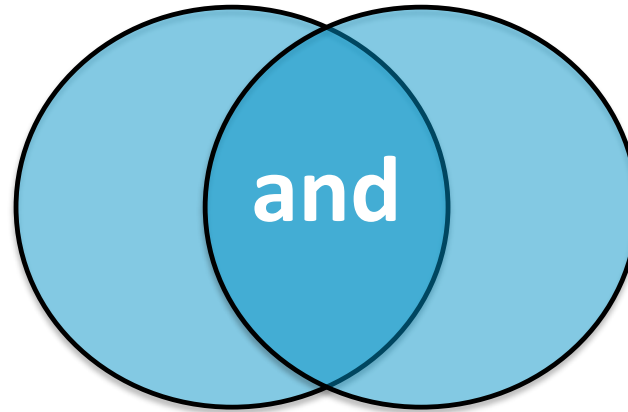
<input type="checkbox"/>	# ▲	Searches	Results
<input checked="" type="checkbox"/>	1	Asthma/	123368
<input checked="" type="checkbox"/>	2	*Dexamethasone/	23575
<input checked="" type="checkbox"/>	3	Child/	1658179

Save Remove Combine with:

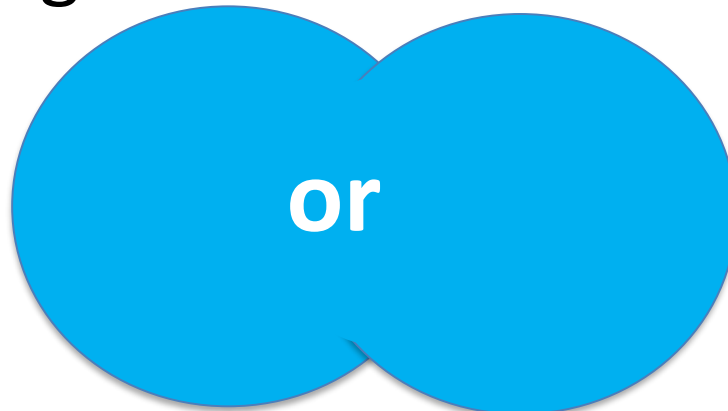
Boolean Operators

# Boolean Operators

- Combining with “AND” will narrow to search

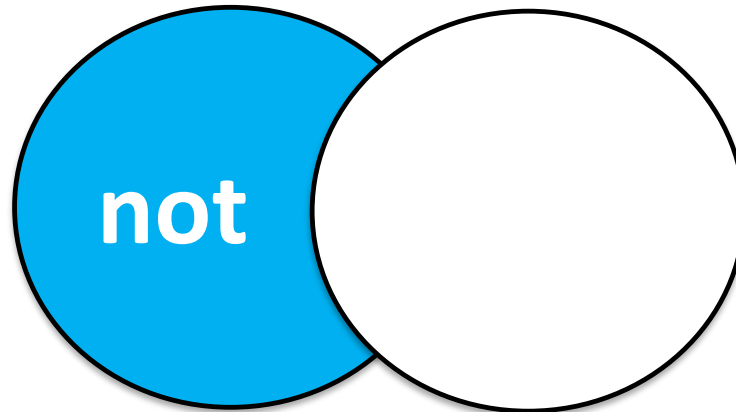


- Combining with “OR” will broaden the search




# The Hidden Boolean Operator

- Combining with “NOT” will narrow the search



# Utilizing Boolean Operators


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▼ Search History (4)

<input type="checkbox"/>	# ▲ Searches	Results
<input type="checkbox"/>	1 Asthma/	123368
<input type="checkbox"/>	2 *Dexamethasone/	23575
<input type="checkbox"/>	3 Child/	1658179
<input type="checkbox"/>	4 1 and 2 and 3	74

Combine with:

 Boolean Connectors

# Limiting a Search


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▼ Search History (5)

<input type="checkbox"/>	# ▲	Searches	Results
<input type="checkbox"/>	2	*Dexamethasone/	23575
<input type="checkbox"/>	3	Child/	1658179
<input type="checkbox"/>	4	1 and 2 and 3	74
<input type="checkbox"/>	5	limit 4 to (english language and humans)	53

Combine with:



# Viewing Search Results

Print Email Export + My Projects Keep Selected To search Open Access content

All Range Clear 10 Per Page 1 Go

1. **Dexamethasone Associated With Significantly Shorter Length of Hospital Stay Compared With a Prednisolone-Based Regimen in Pediatric Patients With Mild to Moderate Acute Asthma Exacerbations.**

Bohannon K; Machen R; Ragsdale C; Padilla-Tolentino E; Cervenka P.

*Clinical Pediatrics*. 58(5):521-527, 2019 05.

[Comparative Study. Evaluation Study. Journal Article]

UI: 30854887

**Authors Full Name**

Bohannon, Kristin; Machen, Ronda; Ragsdale, Carolyn; Padilla-Tolentino, Eimeira; Cervenka, Patricia.



Abstract + My Projects + Annotate

2. **Oral Dexamethasone to Control Wheezing in Children at an Outpatient Clinic.**

Volk AS; Marton SA; Richardson BS; Rauda L; Schwarzwald HL; Naik NM.

*Clinical Pediatrics*. 58(2):151-158, 2019 02.

[Journal Article]

UI: 30378445

**Authors Full Name**

Volk, Angela S; Marton, Stephanie A; Richardson, Brittany S; Rauda, Luis; Schwarzwald, Heidi L; Naik, Neel M.

Abstract + My Projects + Annotate

3. **Dexamethasone versus prednisone for children receiving asthma treatment in the paediatric inpatient population: protocol for a feasibility randomised controlled trial.**

Pound CM; McDonald J; Tang K; Seidman G; Jetty R; Zaidi S; Plint AC.

*BMJ Open*. 8(12):e025630, 2018 12 14.

[Clinical Trial Protocol. Journal Article. Pragmatic Clinical Trial. Randomized Controlled Trial. Research Support, Non-U.S. Gov't]

UI: 30552284



# Viewing the Abstract

of 53 Results

Go

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**Unique Identifier:** 30854887

**Title:** Dexamethasone Associated With Significantly Shorter Length of Hospital Stay Compared With a Prednisolone-Based Regimen in Pediatric Patients With Mild to Moderate Acute Asthma Exacerbations.

**Source:** Clinical Pediatrics. 58(5):521-527, 2019 05.

**Abbreviated Source:** Clin Pediatr (Phila). 58(5):521-527, 2019 05.

**Version ID:** 1

**Record Owner:** From MEDLINE, a database of the U.S. National Library of Medicine.

**Status:** MEDLINE

**Authors:** [Bohannon K](#); [Machen R](#); [Ragsdale C](#); [Padilla-Tolentino E](#); [Cervenka P](#).

**Author NameID:** Bohannon, Kristin; ORCID: <https://orcid.org/0000-0002-9961...>

**Authors Full Name:** Bohannon, Kristin; Machen, Ronda; Ragsdale, Carolyn; Padilla-Tolentino, Eimeira; Cervenka, Patricia.

**Institution:** Bohannon, Kristin. 1 Dell Children's Medical Center of Central Texas, Austin, TX, USA.  
Machen, Ronda. 1 Dell Children's Medical Center of Central Texas, Austin, TX, USA.  
Ragsdale, Carolyn. 1 Dell Children's Medical Center of Central Texas, Austin, TX, USA.  
Padilla-Tolentino, Eimeira. 1 Dell Children's Medical Center of Central Texas, Austin, TX, USA.  
Cervenka, Patricia. 1 Dell Children's Medical Center of Central Texas, Austin, TX, USA.

**NLM Journal Name:** Clinical pediatrics

**Publishing Model:** Journal available in: Print-Electronic  
Citation processed from: Internet

**NLM Journal Code:** dhe, 0372606, 8407647

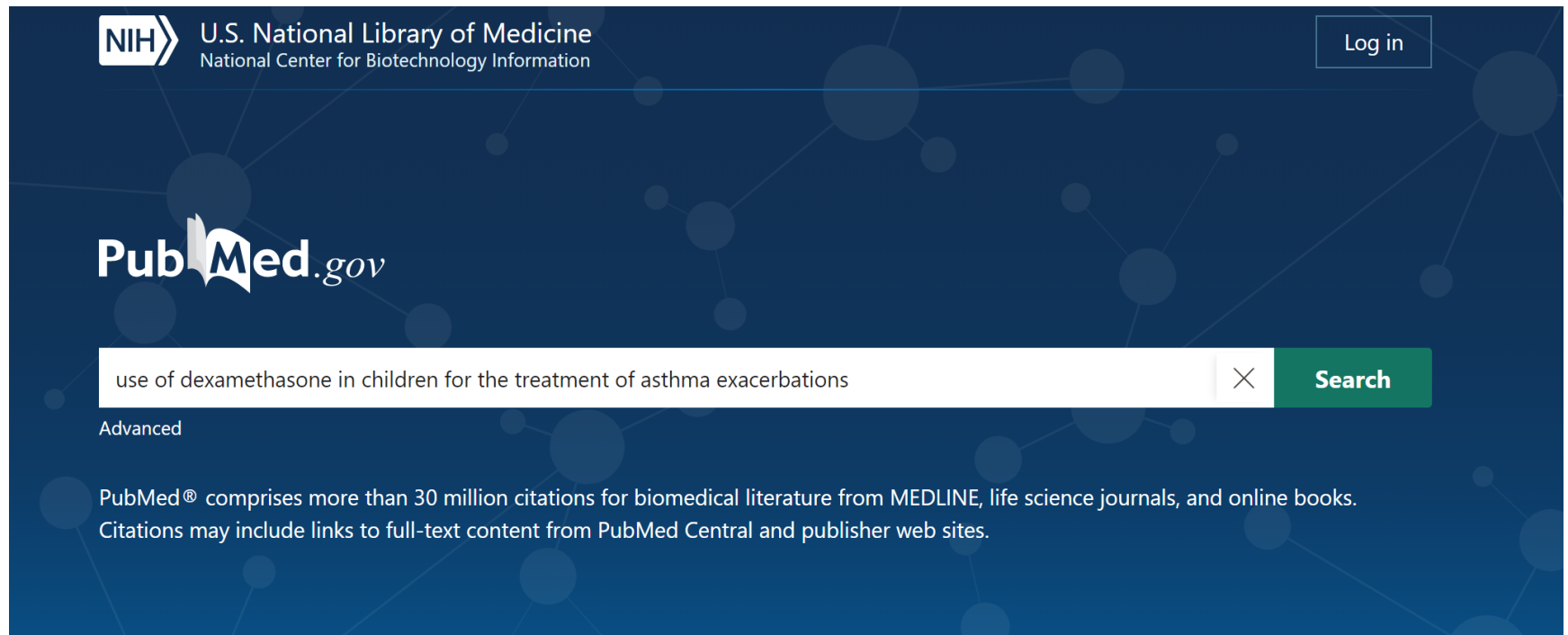
**ISO Journal Abbreviation:** Clin Pediatr (Phila)

**Journal Subset:** Core Clinical Journals (AIM), Index Medicus

**Country of Publication:** United States

**MeSH Subject Headings:** [Acute Disease](#)  
[Adolescent](#)  
[\\*Anti-Asthmatic Agents / tu \[Therapeutic Use\]](#)  
[\\*Asthma / dt \[Drug Therapy\]](#)  
**Child**  
[Child, Preschool](#)  
[\\*Dexamethasone / tu \[Therapeutic Use\]](#)  
[Disease Progression](#)  
[Drug Administration Schedule](#)  
[Female](#)  
[Humans](#)  
[\\*Length of Stay / sn \[Statistics & Numerical Data\]](#)  
[Male](#)  
[\\*Prednisolone / tu \[Therapeutic Use\]](#)

# PubMed Sample Search



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National Center for Biotechnology Information

Log in

PubMed.gov

use of dexamethasone in children for the treatment of asthma exacerbations

Advanced

PubMed® comprises more than 30 million citations for biomedical literature from MEDLINE, life science journals, and online books. Citations may include links to full-text content from PubMed Central and publisher web sites.

# Viewing Results

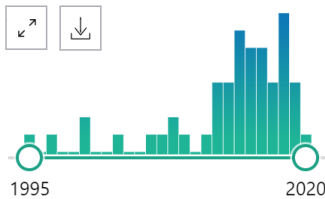
**PubMed.gov**

Sorted by: Best match

MYNCBI FILTERS

46 results

RESULTS BY YEAR



2 articles found by citation matching

[Dexamethasone Compared to Prednisone for the Treatment of Children With Acute Asthma Exacerbations](#)

R Abaya et al. *Pediatr Emerg Care* 34 (1), 53-58. Jan 2018.

[Single Dose Oral Dexamethasone Versus Multi-Dose Prednisolone in the Treatment of Acute Exacerbations of Asthma in Children Who Attend the Emergency Department: Study Protocol for a Randomized Controlled Trial](#)

J Cronin et al. *Trials* 13, 141. 2012.

TEXT AVAILABILITY

- Abstract
- Free full text
- Full text

ARTICLE ATTRIBUTE

- Associated data

ARTICLE TYPE

- Books and Documents
- Clinical Trial
- Meta-Analysis
- Randomized Controlled Trial

**Dexamethasone** for acute **asthma exacerbations** in **children**: a meta-analysis.

1 Keeney GE, et al. *Pediatrics* 2014 - *Review*. PMID 24515516 Free PMC article.

BACKGROUND AND OBJECTIVE: **Dexamethasone** has been proposed as an equivalent **therapy** to prednisone/prednisolone for acute **asthma exacerbations** in pediatric patients. ...Six randomized controlled trials in the emergency department of **children**  $\leq 18$  years of age comparing **dexamethasone** with prednisone/prednisolone for the **treatment** of acute **asthma exacerbations** were included. ...

“ Cite

**Randomized Trial of Dexamethasone Versus Prednisone for Children with Acute Asthma Exacerbations.**

2 Paniagua N, et al. *J Pediatr* 2017 - *Clinical Trial*. PMID 29173304

OBJECTIVE: To determine whether 2 doses of **dexamethasone** is as effective as 5 days of prednisolone/prednisone **therapy** in improving symptoms and quality of life of **children with asthma**

# Filtered Results

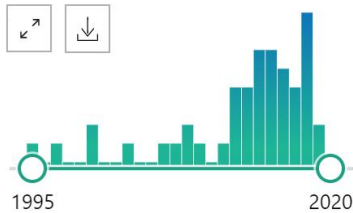
Save Email ...

Sorted by: Best match 

MYNCBI FILTERS 

41 results

RESULTS BY YEAR



TEXT AVAILABILITY

- Abstract
- Free full text
- Full text

ARTICLE ATTRIBUTE

- Associated data

ARTICLE TYPE

- Books and Documents
- Clinical Trial
- Meta-Analysis
- Randomized Controlled Trial
- Review

2 articles found by citation matching

Dexamethasone Compared to Prednisone for the Treatment of Children With Acute Asthma Exacerbations

R Abaya et al. *Pediatr Emerg Care* 34 (1), 53-58. Jan 2018.

Single Dose Oral Dexamethasone Versus Multi-Dose Prednisolone in the Treatment of Acute Exacerbations of Asthma in Children Who Attend the Emergency Department: Study Protocol for a Randomized Controlled Trial

J Cronin et al. *Trials* 13, 141. 2012.

Filters applied: Humans, English. [Clear all](#)

**Dexamethasone for acute asthma exacerbations in children: a meta-analysis.**

1 Keeney GE, et al. *Pediatrics* 2014 - *Review*. PMID 24515516 Free PMC article.

BACKGROUND AND OBJECTIVE: **Dexamethasone** has been proposed as an equivalent **therapy** to prednisone/prednisolone for acute **asthma exacerbations** in pediatric patients. ...Six randomized controlled trials in the emergency department of **children** ≤18 years of age comparing **dexamethasone** with prednisone/prednisolone for the **treatment** of acute **asthma exacerbations** were included. ...

“ Cite  Share

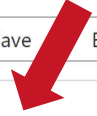
**Randomized Trial of Dexamethasone Versus Prednisone for Children with Acute Asthma Exacerbations.**

2

Paniagua N, et al. *J Pediatr* 2017 - *Clinical Trial*. PMID 29173304

OBJECTIVE: To determine whether 2 doses of **dexamethasone** is as effective as 5 days of

prednisolone/prednisone **therapy** in improving symptoms and quality of life of **children** with **asthma**



# Abstract Page

Review > [Pediatr Emerg Care](#), 34 (1), 53-58 Jan 2018

## Dexamethasone Compared to Prednisone for the Treatment of Children With Acute Asthma Exacerbations

Ruth Abaya, Laura Jones, Joseph J Zorc

PMID: 29293202 DOI: [10.1097/PEC.0000000000001371](#)

### Abstract

Systemic corticosteroids are recommended in clinical practice guidelines for the treatment of acute asthma exacerbation based on evidence demonstrating reduced hospitalizations and improved outcomes after administration in the emergency department. Although prednisone and related oral preparations have been recommended previously, researchers have assessed dexamethasone as an alternative based on its longer biologic half-life and improved palatability. Systematic reviews of multiple small trials and 2 larger trials have found no difference in revisits to the emergency department compared to prednisone for dexamethasone given either as an intramuscular injection or orally. Studies of oral administration have found reduced emesis for dexamethasone compared to prednisone both in the emergency department and for a second oral dose, typically given 24 to 48 hours later. Studies assessing a single dose of dexamethasone have found equivalent improvement at follow-up but with some evidence of increased symptoms and increased need for additional corticosteroids compared to multiple doses of prednisone. Future research could further assess dexamethasone dose, formulation, and frequency and measure other related adverse effects such as behavior change. Consideration of baseline differences within the heterogeneous population of children requiring acute care for asthma may also guide the design of an optimal dexamethasone regimen.

### Similar articles

[Is Dexamethasone an Effective Alternative to Oral Prednisone in the Treatment of Pediatric Asthma Exacerbations?](#)

IS Meyer et al. *Hum Pediatr* 4 (2): 172-80 May 2014 PMID: 24785562 Meta-Analysis

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# MEDLINE VS. PUBMED

	MEDLINE	PubMed
Control of the Search	<p>Searcher has a great deal of control</p> <ul style="list-style-type: none"> <li>• Does not automatically select anything</li> </ul>	<p>Searcher has limited control</p> <ul style="list-style-type: none"> <li>• Automatically uses: <ul style="list-style-type: none"> <li>- Boolean Operators</li> <li>- Explode</li> <li>- MeSH Terms</li> </ul> </li> </ul>
Free Text Search	Cannot search by phrases	Can search utilizing phrases or questions
Access	Subscription required	No subscription required

# ASSESSMENT QUESTIONS



# Q1: How is an abstracting service different from an indexing service?

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**A.** An indexing service provides a short summary of the trial with a citation while abstracting services provide only a citation

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**B.** Both abstracting and indexing services provide a full citation and full text articles

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**C.** Abstracting services provide a short summary of the trial with a citation while indexing services provide a citation with or without a short summary of the trial

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**D.** Both abstracting and indexing services provide only the citation of the article

# R1: How is an abstracting service different from an indexing service?

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**A.** An indexing service provides a short summary of the trial with a citation while abstracting services provide only a citation

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**B.** Both abstracting and indexing services provide a full citation and full text articles

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**C.** Abstracting services provide a short summary of the trial with a citation while indexing services provide a citation with or without a short summary of the trial

---

**D.** Both abstracting and indexing services provide only the citation of the article

Q2: PubMed and MEDLINE search a database that is available through Elsevier.



TRUE



FALSE

R2: PubMed and MEDLINE search a database that is available through Elsevier.



FALSE

Q3: Which of the following Boolean Operators can be used to broaden a search?

And

Not

Neither

Or

Either

R3: Which of the following Boolean Operators can be used to broaden a search?

Or

# Q4: Which of the following is a characteristic of PubMed, not MEDLINE?

- A. PubMed does not search by MeSH term
- B. PubMed automatically explodes each term in the search
- C. PubMed requires a subscription
- D. PubMed cannot search by using phrases
- E. PubMed does not automatically use Boolean Operators

# R4: Which of the following is a characteristic of PubMed, not MEDLINE?

- A. PubMed does not search by MeSH term
- B. PubMed automatically explodes each term in the search
- C. PubMed requires a subscription
- D. PubMed cannot search by using phrases
- E. PubMed does not automatically use Boolean Operators



# Summary



When tertiary literature is not enough, healthcare professionals turn to primary literature for answers



Secondary resources are a fast and effective way for healthcare professionals to find primary medical literature



PubMed and MEDLINE offer many features that allow users to tailor searches to find the most relevant primary literature