

PubMed Searching

Simple Subject Search

1. Identify the key concepts for your search.
2. Enter the terms (or key concepts) in the search box.
 - Example: What is the breast cancer treatment?
 - What are the key concepts?
 - Search....

Explain the search result

- First homework:
 - What is DOI????

Simple Subject Search; Tips:

1. To search PubMed be as specific as possible.
2. Use no punctuation, tags or operators.
 - Quiz

You want to search PubMed for articles on the use of aspirin for heart attack prevention. Which of the below is your best search strategy?

- "aspirin for heart attack prevention"
- aspirin heart attack prevention
- aspirin AND heart AND attack AND prevention

Simple Subject Search: How it works?

- Search details in the right column
- See more
- Go to the PubMed...

Search by Author

- There is 2 ways to search by author:
 1. Write the last name and first name in the search box.
 2. Use the advanced search
- Go to the PubMed...

Search by Author; Tips:

- Use no punctuation
- For the most comprehensive results use the last name and the initials.
 - Quiz

You want to search for all works in PubMed by Anthony S. Fauci. Of the below choices, what is the most comprehensive search?

- fauci anthony s
- fauci as
- anthony fauci

Search for a journal

- There are several ways:
 1. Complete title of the journal
 2. The ISSN (International Standard Serial Number)
 3. The medline title abbreviation
- Go to the PubMed and search for the “Iranian Journal of Public Health”

Search for a journal; Tips:

- If you are searching for a journal title that is also a subject term, use search tag **[ta]**
 - Example:
 - Go to the PubMed and search “Radiation Oncology”

Search for a journal; use single citation matcher

- Go to the PubMed and search for the “Iranian journal of public health” in the single citation matcher.
- Repeat the previous search in the advanced search box.
- Return to the single citation manager and search for the ““Iranian journal of public health” Volume 42 and Issue 6

Searching for a journal in the NLM catalog

- Find journals in NCBI Databases from PubMed home page
- Indexing
- Pubmed in the right column
- Single citation matcher in the right column
- Homework:
 - What does NCBI stand for?

Use MeSH to Build a Better PubMed Query

- MeSH is a controlled vocabulary for indexing in the PubMed.
- Select MeSH from the “More Resources”
 - Example: We want to search for “**flu vaccine**”
 - Go to the pubmed and do it...
- Look at the MeSH terms of one of the search results

Advanced search

Conducting a search strategy

Boolean Logics

Shaded areas indicate retrieval

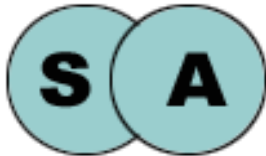
Search Statement

Types of records retrieved



stress **AND** anxiety

Documents that have **both** stress **AND** anxiety



stress **OR** anxiety

Documents that have **either** stress **OR** anxiety



stress **NOT** anxiety

Documents that have stress **but NOT** anxiety

PubMed

PubMed

Bed Sore

PubMed

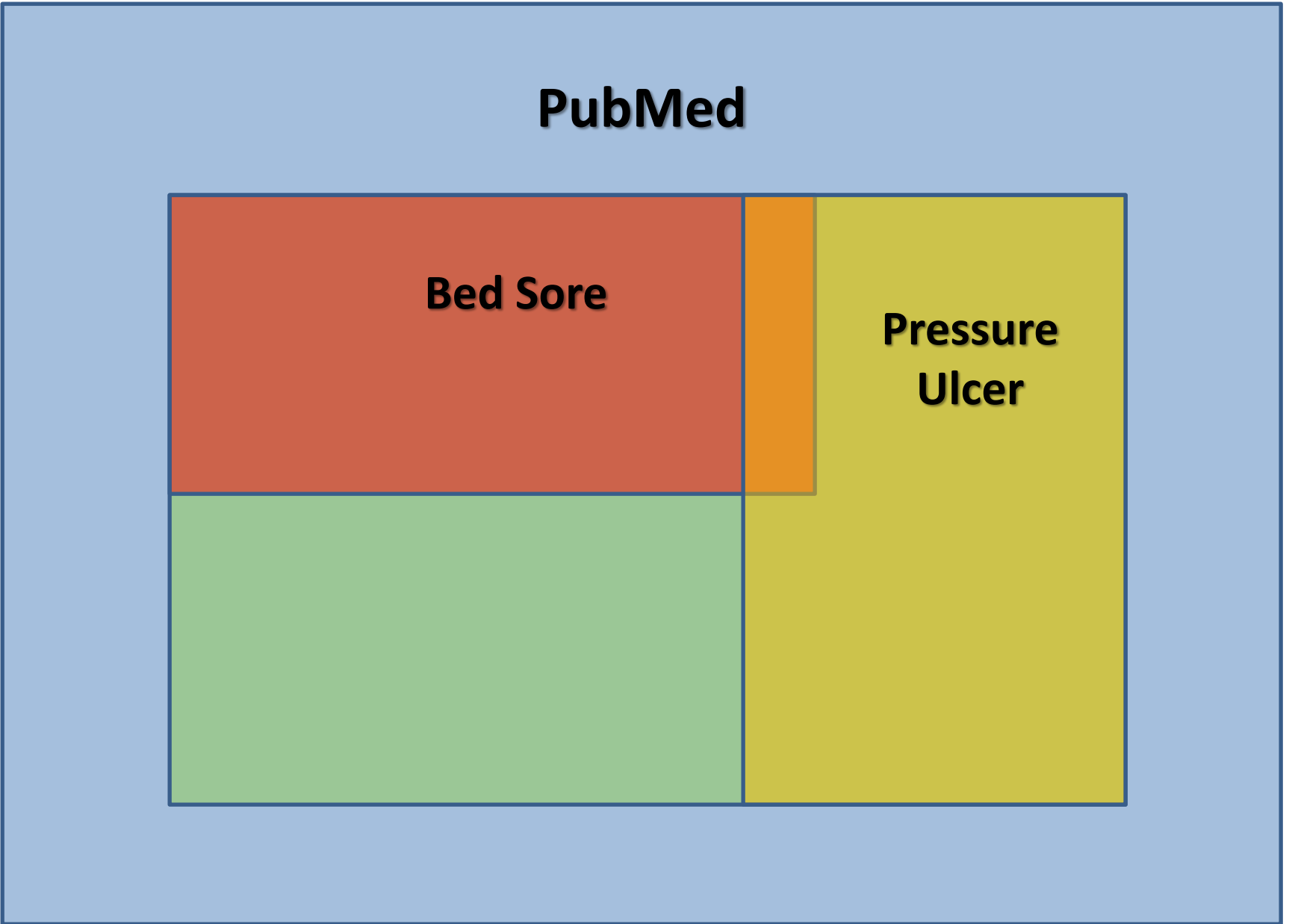


Bed Sore

PubMed

Bed Sore

**Pressure
Ulcer**

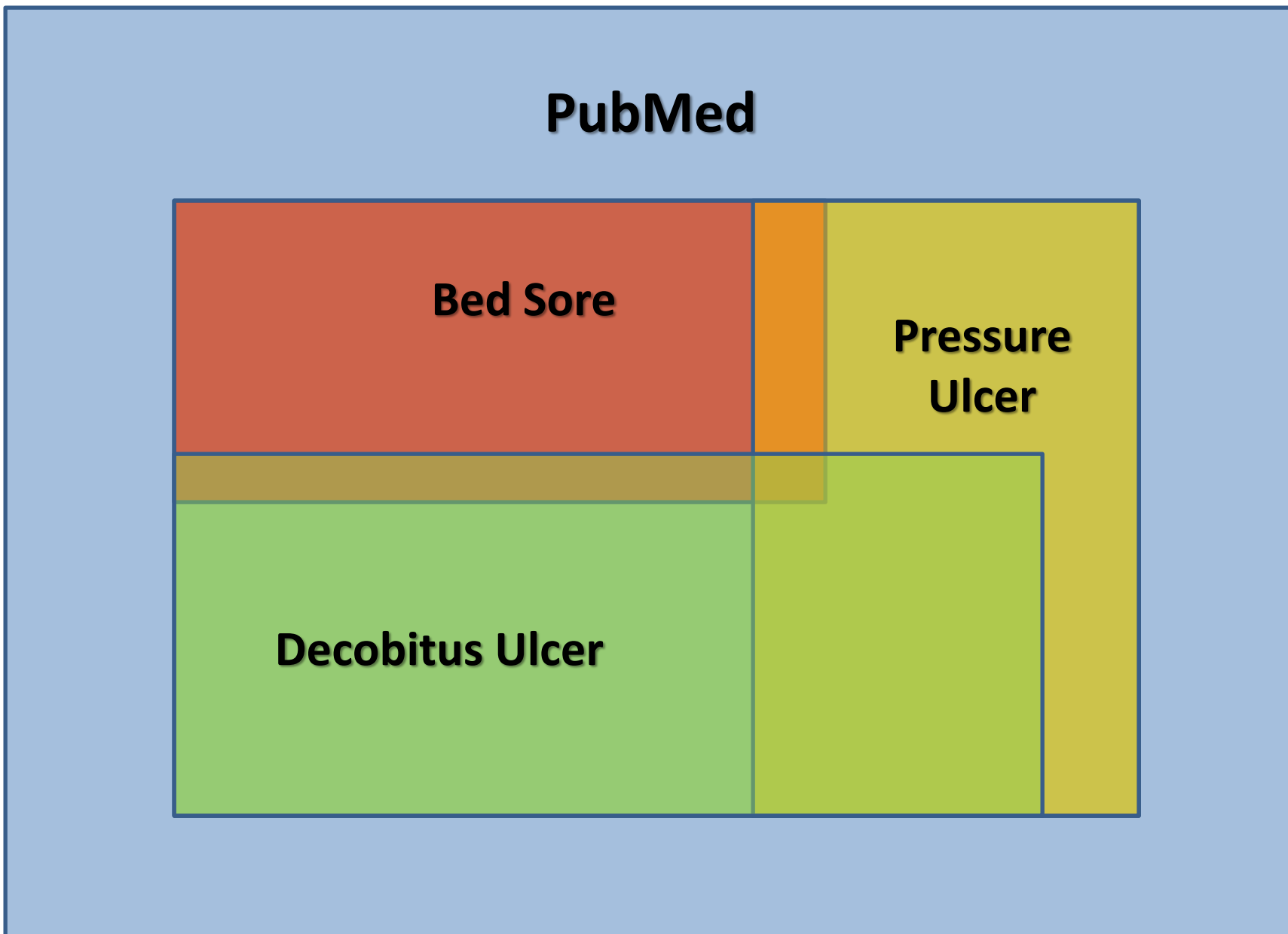


PubMed

Bed Sore

**Pressure
Ulcer**

Decobitus Ulcer



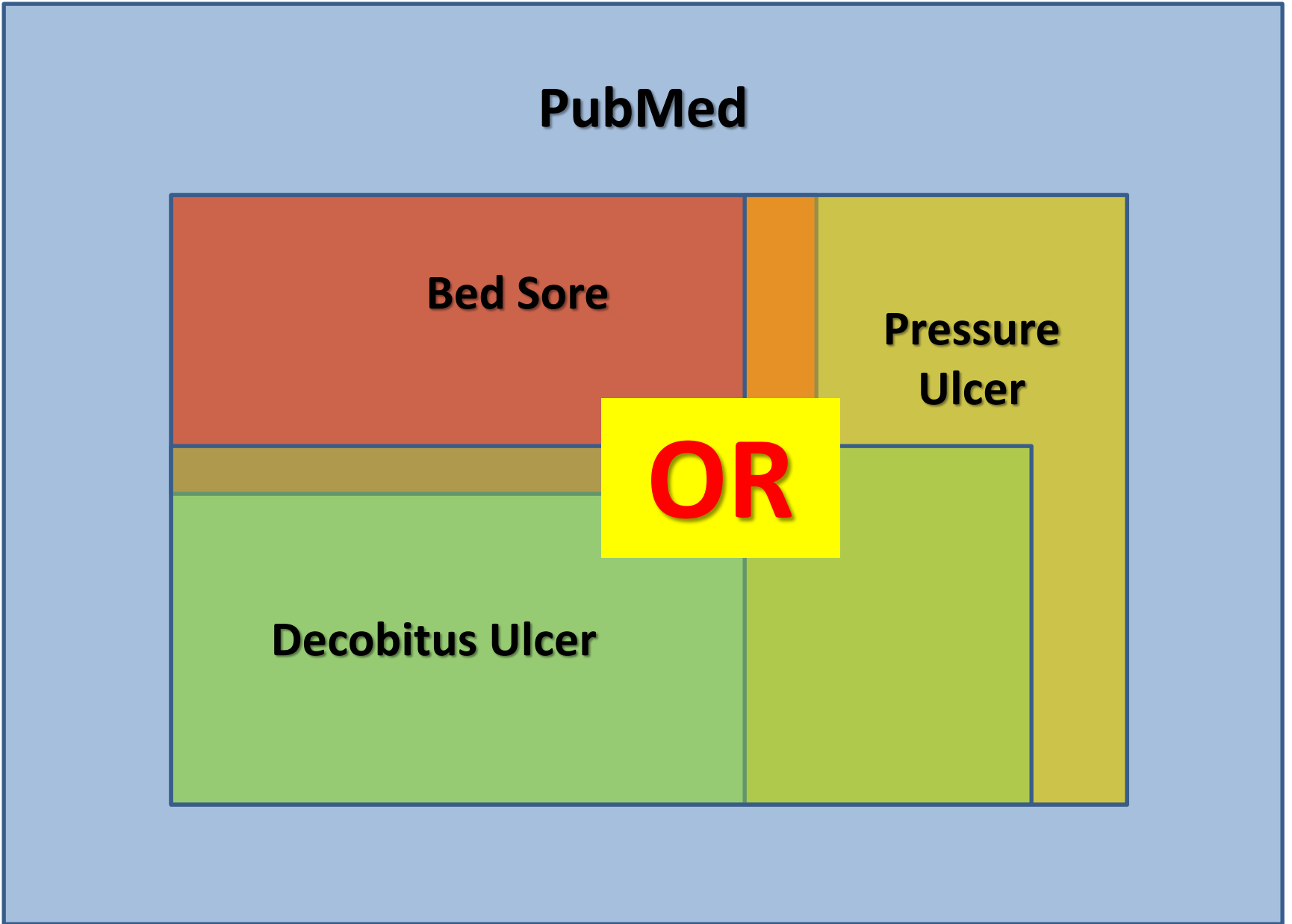
PubMed

Bed Sore

**Pressure
Ulcer**

OR

Decobitus Ulcer

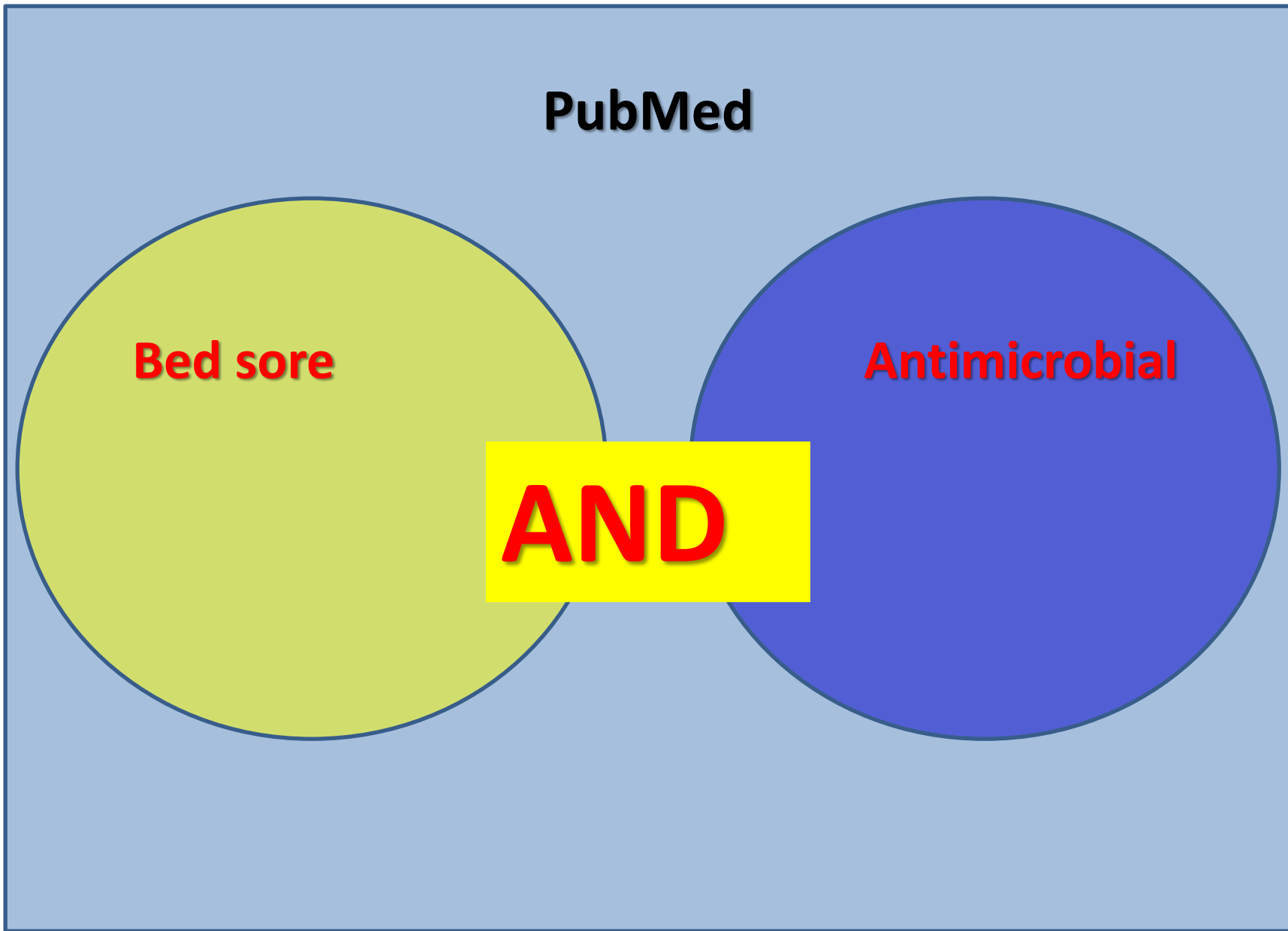


PubMed

Bed sore

Antimicrobial

AND



Example:

- Free form Question:

Which of the many available antimicrobial products improve healing in patients with Chronic wounds?

Structured Question

The Population	In adults with various forms of chronic wounds...
The interventions	... would systematic or topical antimicrobial preparations...
The Outcomes	... improve wound healing?
The Study Design	A comparative study that allocates subjects with chronic wounds to alternative therapeutic interventions of interest and determines the effect of the interventions on wound healing (eg RCT)

The Populations:

Patients with various forms of chronic wounds

#1	(Decubitus ulcer[MeSH]) OR foot ulcer[MeSH]	MeSH (14985)
#2	(Leg ulcer[MeSH]) OR varicose ulcer[MeSH]	MeSH (16045)
#3	Skin ulcer[MeSH]	MeSH (32307)
#4	Diabetic foot[MeSH]	MeSH (5039)
#5	(plantar OR diabetic OR heel OR venous OR stasis OR arterial) ulcer*[Title/Abstract]	Free (14855)
#6	(decubitus OR foot OR diabetic OR ischaemic OR pressure) ulcer*[Title/Abstract]	Free (17094)
#7	(pressure OR bed) sore*[Title/Abstract]	Free (3214)
#8	Additional terms may be used	
#9	#1 OR #2 OR #3 OR #4 OR #5 OR #6 OR #7 OR #8 (45883)	Captures population

The interventions:

treatments for chronic wounds

#10	(Debridement[MeSH] OR biological dressings[MeSH]) OR bandages[MeSH]	MeSH (27919)
#11	(Occlusive dressings[MeSH] OR clothing[MeSH]) OR wound healing[MeSH]	MeSH (106685)
#12	(Antibiotics[MeSH] OR growth substances[MeSH]) OR platelet-derived growth factor[MeSH]	MeSH (337730)
#13	((debridement OR dressing*) OR compress*) OR cream*) OR “growth factor*”[Title/Abstract]	Free (361092)
#14	((Antibiotic* OR “electric therapy”) OR laser*) OR nutrition*) OR surg*[Title/Abstract]	Free (1869226)
#15	((homeopath* OR acupuncture) OR massage) OR reflexology) OR ultrasound[Title/Abstract]	Free (168222)
#16	Additional terms may be used	
#17	#10 OR #11 OR #12 OR #13 OR #14 OR #15 OR #16 (2569219)	Captures intervention

No search is performed to capture outcomes

#18	#9 AND #17	Combines population and intervention (17969)
The Study Designs		
#19	Random allocation[MeSH] OR randomized controlled trials[MeSH]	MeSH (155299)
#20	randomized clinical trial[MeSH]	MeSH (80767)
#21	Single-blind method[MeSH] OR double-blind method[MeSH]	MeSH (131088)
#22	“random* controlled trial*” OR “prospective random*”[Title/Abstract]	Free (102)
#23	Additional terms may be used	
#24	#19 OR #20 OR #21 OR #22 OR #23 (270706)	Captures study designs
#25	#18 AND #24	Combines population AND intervention and study designs (612)
#26	Limit #25 to human	(584)

**Calcium supplementation for the
management of primary
hypertension in adults**

Calcium supplementation for the management of primary hypertension in adults

- **HYPERTENSION**
 - blood pressure
- **DIETARY supplements**
- **CALCIUM, DIETARY**
 - Calcium diet, oral, supplement, intake
- **PREGNANCY**
 - pre eclampsia
- calcium antagonist
- channel blocker

Pubmed; MeSH Database

NCBI Resources How To Sign in to NCBI

PubMed.gov
US National Library of Medicine
National Institutes of Health

PubMed Search

Advanced Help



PubMed

PubMed comprises more than 22 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.

Using PubMed

[PubMed Quick Start Guide](#)

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[New and Noteworthy](#) 

PubMed Tools

[PubMed Mobile](#)

[Single Citation Matcher](#)

[Batch Citation Matcher](#)

[Clinical Queries](#)

[Topic-Specific Queries](#)

More Resources

[MeSH Database](#)

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[Clinical Trials](#)

[E-Utilities](#)

[LinkOut](#)



Hypertension [MESH]

The screenshot displays the MeSH (Medical Subject Headings) search interface. At the top, the NCBI logo and navigation links for 'Resources' and 'How To' are visible. The search bar contains the term 'hypertension' and a dropdown menu set to 'MeSH'. A 'Search' button is located to the right of the search bar. Below the search bar, there are links for 'Save search', 'Limits', and 'Advanced'. The main content area shows search results for 'Hypertension'. The first result is 'Hypertension', which is checked. The second result is 'Hypertension, Pregnancy-Induced'. To the right of the search results, there is a 'PubMed search builder' panel. This panel contains a text input field with the text '"Hypertension" [Mesh]'. Below the input field, there are two buttons: 'Add to search builder' and 'Search PubMed'. A dropdown menu next to the 'Add to search builder' button is set to 'AND'. The page also includes a 'Display Settings' section with a checked box for 'Summary' and '20 per page'. Navigation controls for the search results are located below the 'Display Settings' section, including '<< First', '< Prev', 'Page 1 of 3', 'Next >', and 'Last >>'. A 'Send to:' dropdown menu is also visible above the 'PubMed search builder' panel. Red arrows point to the search bar, the first result, the 'PubMed search builder' panel, and the 'Add to search builder' button.

NCBI Resources How To Sign in to NCBI

MeSH MeSH hypertension Search Help

Save search Limits Advanced

Display Settings: Summary, 20 per page

Send to: PubMed search builder

Results: 1 to 20 of 50 Selected: 1

<< First < Prev Page 1 of 3 Next > Last >>

[Hypertension](#)

1. Persistently high systemic arterial BLOOD PRESSURE. Based on multiple readings (BLOOD PRESSURE DETERMINATION), **hypertension** is currently defined as when SYSTOLIC PRESSURE is consistently greater than 140 mm Hg or when DIASTOLIC PRESSURE is consistently 90 mm Hg or more.

[Hypertension, Pregnancy-Induced](#)

2. A condition in pregnant women with elevated systolic (>140 mm Hg) and diastolic (>90 mm Hg) blood pressure on at least two occasions. It is associated with a 40% increase in the risk of complications during pregnancy.

"Hypertension" [Mesh]

Add to search builder AND

Search PubMed

HYPERTENSION[Mesh] (201708)

PubMed

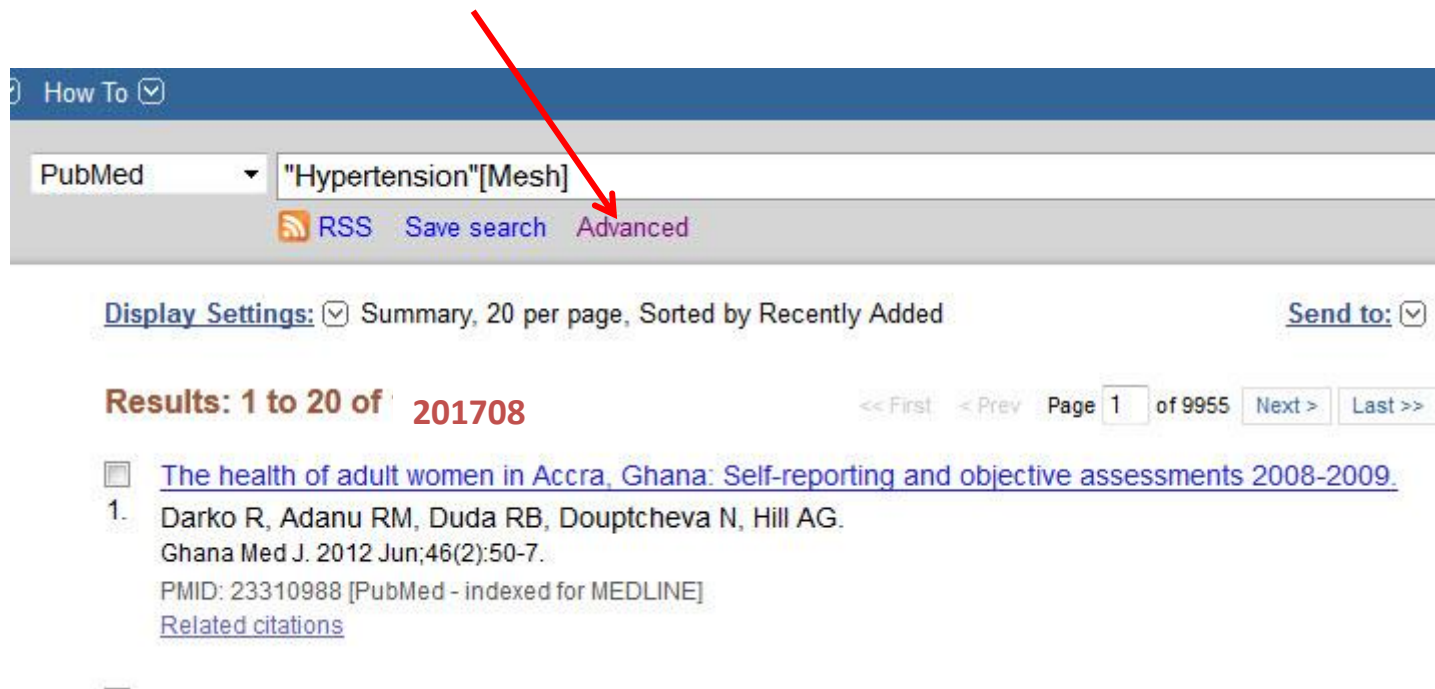
[RSS](#) [Save search](#) [Advanced](#)

[Display Settings:](#) Summary, 20 per page, Sorted by Recently Added [Send to:](#)

Results: 1 to 20 of 1 201708 << First < Prev Page 1 of 9955 Next > Last >>

- [The health of adult women in Accra, Ghana: Self-reporting and objective assessments 2008-2009.](#)
 1. Darko R, Adanu RM, Duda RB, Douptcheva N, Hill AG.
Ghana Med J. 2012 Jun;46(2):50-7.
PMID: 23310988 [PubMed - indexed for MEDLINE]
[Related citations](#)
- [Hypertension? You're not alone. There's time to take action if you're among the masses.](#)
 2. [No authors listed]
Harv Health Lett. 2012 Nov;38(1):3. No abstract available.

Pubmed; Advanced Search



How To

PubMed [RSS](#) [Save search](#) [Advanced](#)

[Display Settings:](#) Summary, 20 per page, Sorted by Recently Added [Send to:](#)

Results: 1 to 20 of 201708 << First < Prev Page 1 of 9955 Next > Last >>

[The health of adult women in Accra, Ghana: Self-reporting and objective assessments 2008-2009.](#)

1. Darko R, Adanu RM, Duda RB, Douptcheva N, Hill AG.
Ghana Med J. 2012 Jun;46(2):50-7.
PMID: 23310988 [PubMed - indexed for MEDLINE]
[Related citations](#)

Use the builder below to create your search

[Edit](#)

[Clear](#)

Builder

All Fields



[Show index list](#)

AND

All Fields



[Show index list](#)

or [Add to history](#)

History

[Clear history](#)

Search	Add to builder	Query	Items found	Time
#1	Add	Search "Hypertension"[Mesh]	197958	04:32:27

Hypertens*[Title/Abstract] (305237)

PubMed Advanced Search Builder

YouTube Tutorial

hypertens*[Title/Abstract]

[Edit](#)

[Clear](#)

Builder

Title/Abstract

hypertens*

[Show index list](#)

AND


All Fields

[Show index list](#)

or [Add to history](#)

PubMed

hypertens*[Title/Abstract]

 [RSS](#) [Save search](#) [Advanced](#)

[Display Settings:](#) Summary, 20 per page, Sorted by Recently Added

[Send to:](#)

Results: 1 to 20 of 305237

<< First < Prev Page 1 of 14902 Next > Last >>

“blood pressure” [Title/Abstract] (211181)

Builder

[Show index list](#)

AND [Show index list](#)

or [Add to history](#)

History

[Clear history](#)

Search	Add to builder	Query	Items found	Time
#3	Add	Search hypertens* [Title/Abstract]	298035	10:01:15
#2	Add	Search "Hypertension" [Mesh]	199084	08:47:21

PubMed

[RSS](#) [Save search](#) [Advanced](#)

[Display Settings:](#) Summary, 20 per page, Sorted by Recently Added

[Send to:](#)

Results: 1 to 20 of **211181**

[<< First](#) [< Prev](#) Page of 10303 [Next >](#) [Last >>](#)

#2 OR #3 OR #4 (474539)

Builder

Recent Query

OR

OR

AND [Show index list](#)

or [Add to history](#)

History

[Clear history](#)

Search	Add to builder	Query	Items found	Time
#4	Add	Search "blood pressure"[Title/Abstract]	206052	12:22:43
#3	Add	Search hypertens*[Title/Abstract]	298035	10:01:15
#2	Add	Search "Hypertension"[Mesh]	199084	08:47:21

PubMed

[RSS](#) [Save search](#) [Advanced](#)

[Display Settings:](#) Summary, 20 per page, Sorted by Recently Added

[Send to:](#)

Results: 1 to 20 of 474539

<< First < Prev Page of 23195 Next > Last >>

MeSH

[Save search](#) [Limits](#) [Advanced](#)

Help

Display Settings: Summary, 20 per page

Send to:

Results: 1 to 20 of 28 Selected: 1

<< First < Prev Page 1 of 2 Next > Last >>

[Diet](#)

1. Regular course of eating and drinking adopted by a person or animal.

[Dietary Fats, Unsaturated](#)

2. Unsaturated fats or oils used in foods or as a food.
Year introduced: 1987

[Dietary Supplements](#)

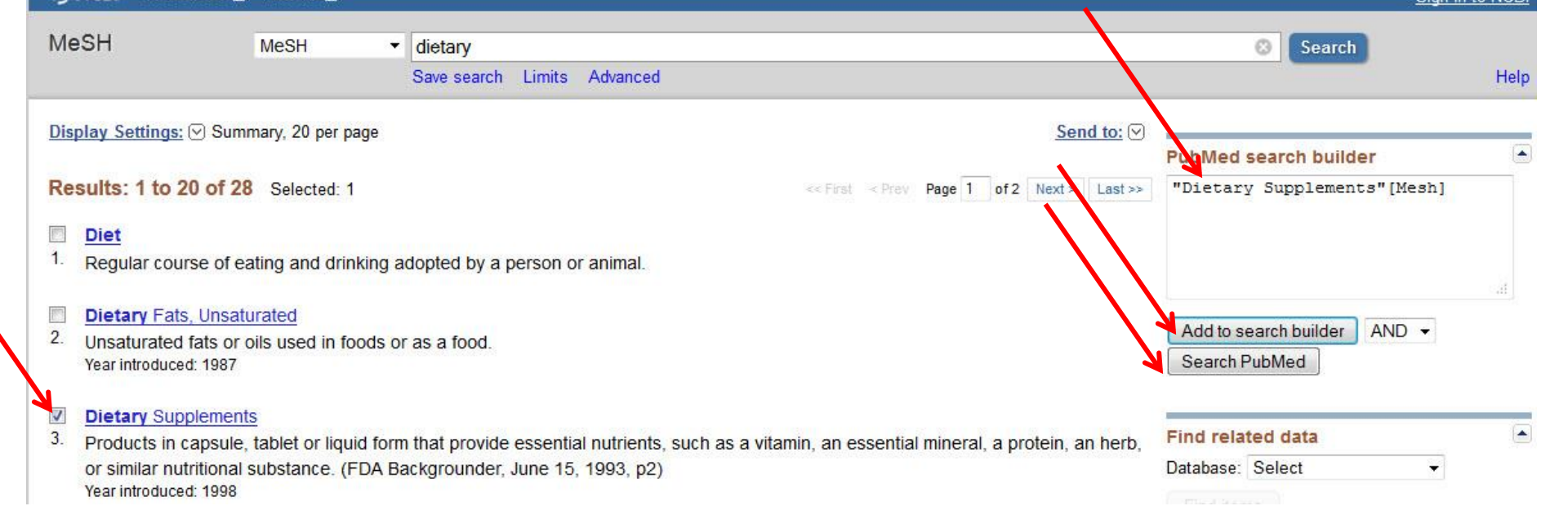
3. Products in capsule, tablet or liquid form that provide essential nutrients, such as a vitamin, an essential mineral, a protein, an herb, or similar nutritional substance. (FDA Backgrounder, June 15, 1993, p2)
Year introduced: 1998

PubMed search builder

AND

Find related data

Database:



DIETARY supplements[Mesh] (35914)

PubMed

 [RSS](#) [Save search](#) [Advanced](#)

[Display Settings:](#) Summary, 20 per page, Sorted by Recently Added [Send to:](#)

Results: 1 to 20 of 35914 [<< First](#) [< Prev](#) Page of 1695 [Next >](#) [Last >>](#)



CALCIUM, DIETARY[Mesh] (8498)

MeSH [Save search](#) [Limits](#) [Advanced](#) [Help](#)

[Display Settings:](#) Summary, 20 per page

[Send to:](#)

Results: 1 to 20 of 28 Selected: 1

<< First < Prev Page 1 of 2 Next > Last >>

[Calcium, Dietary](#)

17. Calcium compounds used as food supplements or in food to supply the body with calcium. **Dietary** calcium is needed during growth for bone development and for maintenance of skeletal integrity later in life to prevent osteoporosis.

PubMed search builder

"Calcium, Dietary"[Mesh]

AND

PubMed [Save search](#) [Advanced](#)

[Display Settings:](#) Summary, 20 per page, Sorted by Recently Added

[Send to:](#)

Results: 1 to 20 of 8498

<< First < Prev Page 1 of 419 Next > Last >>

calcium[Title/Abstract] AND
diet*[Title/Abstract] (16941)

Builder

	Title/Abstract	calcium	-	Show index list
AND	Title/Abstract	diet*	-	Show index list
AND	All Fields		- +	Show index list

[Search](#) or [Add to history](#)

PubMed (calcium[Title/Abstract]) AND diet*[Title/Abstract]
[RSS](#) [Save search](#) [Advanced](#)

[Display Settings:](#) Summary, 20 per page, Sorted by Recently Added

[Send to:](#)

Wildcard search for 'diet*' used only the first 600 variations. Lengthen the root word to search for all endings.

See the search [details](#).

Results: 1 to 20 of 16941

<< First < Prev Page 1 of 828 Next > Last >>

calcium[Title/Abstract] AND oral*[Title/Abstract] (9652)

Builder

	Title/Abstract	calcium	-	Show index list
AND	Title/Abstract	oral*	-	Show index list
AND	All Fields		- +	Show index list

[Search](#) or [Add to history](#)

PubMed (calcium[Title/Abstract]) AND oral*[Title/Abstract]
[RSS](#) [Save search](#) [Advanced](#)

[Display Settings:](#) Summary, 20 per page, Sorted by Recently Added

[Send to:](#)

Results: 1 to 20 of **9652**

<< First < Prev Page 1 of 473 Next > Last >>

calcium[Title/Abstract] AND supplements*[Title/Abstract] (2710)

Builder

	Title/Abstract	calcium	-	Show index list
AND	Title/Abstract	supplements*	-	Show index list
AND	All Fields		- +	Show index list

[Search](#) or [Add to history](#)

PubMed (calcium[Title/Abstract]) AND supplements*[Title/Abstract]
[RSS](#) [Save search](#) [Advanced](#)

[Display Settings:](#) Summary, 20 per page, Sorted by Recently Added

[Send to:](#)

Results: 1 to 20 of 2710

<< First < Prev Page 1 of 131 Next > Last >>

calcium[Title/Abstract] AND intake*[Title/Abstract] (12348)

Builder

	Title/Abstract	calcium	-	Show index list
AND	Title/Abstract	intake*	-	Show index list
AND	All Fields		- +	Show index list

[Search](#) or [Add to history](#)

PubMed (calcium[Title/Abstract]) AND intake*[Title/Abstract]
[RSS](#) [Save search](#) [Advanced](#)

[Display Settings:](#) Summary, 20 per page, Sorted by Recently Added

[Send to:](#)

Results: 1 to 20 of 12348

<< First < Prev Page 1 of 602 Next > Last >>

#7 OR #8 OR #9 OR #10 OR #11 OR #12 (68211)

Builder

	Recent Query	#7	
OR	Recent Query	#8	
OR	Recent Query	#9	Use up and down arrows to choose an item from the autocomplete.
OR	Recent Query	#10	
OR	Recent Query	#11	
OR	Recent Query	#12	
AND	All Fields		

[Search](#) or [Add to history](#)

PubMed

[RSS](#) [Save search](#) [Advanced](#)

[Display Settings:](#) Summary, 20 per page, Sorted by Recently Added

[Send to:](#)

Results: 1 to 20 of 68211

<< First < Prev Page 1 of 3279 Next > Last >>

#4 AND #11 (4448)

Builder

	Recent Query	#5	-
AND	Recent Query	#13	-
AND	All Fields		- + Show index list

or [Add to history](#)

PubMed (#5) AND #13
[RSS](#) [Save search](#) [Advanced](#)

[Display Settings:](#) Summary, 20 per page, Sorted by Recently Added

[Send to:](#)

Results: 1 to 20 of 4448

<< First < Prev Page 1 of 223 Next > Last >>

PREGNANCY[Mesh](676296)

MeSH
[Save search](#) [Limits](#) [Advanced](#)

[Display Settings:](#) Summary, 20 per page

[Send to:](#)

Results: 1 to 20 of 102 Selected: 1

[<< First](#) [< Prev](#) Page of 6 [Next >](#) [Last >>](#)

[Pregnancy](#)

1. The status during which female mammals carry their developing young (EMBRYOS or FETUSES) in utero before birth, beginning from FERTILIZATION to BIRTH.
Year introduced: 1963

[Pregnancy-Specific beta 1-Glycoproteins](#)

2. Characterized by the characteristic presence of BETA 1-GLOBULINS secreted by the placental TROPHOBLASTS into the maternal

PubMed search builder

"Pregnancy" [Mesh]

AND

PubMed [Save search](#) [Advanced](#)

[Display Settings:](#) Summary, 20 per page, Sorted by Recently Added

[Send to:](#)

Results: 1 to 20 of 676296

[<< First](#) [< Prev](#) Page of 33815 [Next >](#) [Last >>](#)

“pre eclampsia” [Title/Abstract] (6568)

Builder

Title/Abstract [Show index list](#)

AND [Show index list](#)

or [Add to history](#)

PubMed [RSS](#) [Save search](#) [Advanced](#)

[Display Settings:](#) Summary, 20 per page, Sorted by Recently Added

[Send to:](#)

Results: 1 to 20 of 6568

[<< First](#) [< Prev](#) Page of 329 [Next >](#) [Last >>](#)


#16 OR #17 (677032)

Builder

	Recent Query	#16	⊖
OR	Recent Query	#17	⊖
AND	All Fields		⊖ ⊕ Show index list

[Search](#) or [Add to history](#)

PubMed

 [RSS](#) [Save search](#) [Advanced](#)

[Display Settings:](#) Summary, 20 per page, Sorted by Recently Added

[Send to:](#)

Results: 1 to 20 of 677032

[<< First](#) [< Prev](#) Page of 33852 [Next >](#) [Last >>](#)

#14 NOT #18 (4152)

Builder

Recent Query	#14	-	
NOT	Recent Query	#18	-
AND	All Fields		+ Show index list

Search or [Add to history](#)

PubMed (#14) NOT #18

[RSS](#) [Save search](#) [Advanced](#)

[Display Settings:](#) Summary, 20 per page, Sorted by Recently Added [Send to:](#)

Results: 1 to 20 of 4152

<< First < Prev Page 1 of 208 Next > Last >>

Limit from 2005 to present

NCBI Resources ▾ How To ▾

PubMed.gov
US National Library of Medicine
National Institutes of Health

PubMed (#14) NOT #18
RSS Save search Advanced

Show additional filters Display Settings: ▾ Summary, 20 per page, Sorted by Recently Added Sen

Article types
Clinical Trial
Review
more ...

Text availability
Abstract available
Free full text available
Full text available

Publication dates
5 years
10 years
Custom range...

Species
Humans
Other Animals

Results: 1 to 20 of 4152 << First < Prev Page 1 of 208 Next >

[Metabolic syndrome influences cardiac gene expression pattern at the transcript level in male rats.](#)
1. Sárközy M, Zvara A, Gyémánt N, Fekete V, Kocsis GF, Pipis J, Sz Cs G, Csonka C, Puskás LG, Ferdinandy P, Csont T. Cardiovasc Diabetol. 2013 Jan 15;12(1):16. [Epub ahead of print] PMID: 23320804 [PubMed - as supplied by publisher] **Free Article**
[Related citations](#)

[Chemical indices of sub-chronic salt-loaded rats, Ilex kesiiana 'Godseffiana' Muell Arg \(Euphorbiaceae\)](#)
016/S1995-7645(12)60197-7.

[Dietary anthropometric and biochemical determinants of uric acid in free-living adults](#)

Specify Custom Date Range

2005 01 01 to YYYY MM DD


Apply Clear

Limit from 2005 to present: 1347

NCBI Resources ▾ How To ▾

PubMed.gov
US National Library of Medicine
National Institutes of Health

PubMed ▾ (#14) NOT #18

 RSS [Save search](#) [Advanced](#)

[Show additional filters](#) [Display Settings:](#) Summary, 20 per page, Sorted by Recently Added [Send to:](#)

[Clear all](#)

Article types
Clinical Trial

Results: 1 to 20 of 1380

 Filters activated: Publication date from 2005/01/01 [Clear all](#)

<< First < Prev Page 1 of 69 Next > Last >>

Calcium supplementation for the management of primary hypertension in adults

- #1: HYPERTENSION[Mesh] (199084)
- #2: Hypertens*[Title/Abstract] (298035)
- #3: "blood pressure"[Title/Abstract] (206052)
- #4: #1 OR #2 OR #3 (463900)
- #5: DIETARY supplements[Mesh] (33898)
- #6: CALCIUM, DIETARY[Mesh] (8369)
- #7: calcium[Title/Abstract] AND diet*[Title/Abstract] (16556)
- #8: calcium[Title/Abstract] AND oral*[Title/Abstract] (9460)
- #9: calcium[Title/Abstract] AND supplements*[Title/Abstract] (2619)
- #10: calcium[Title/Abstract] AND intake*[Title/Abstract] (12032)
- #11: #5 OR #6 OR #7 OR #8 OR #10 OR #11 (65571)
- #12: #4 AND #11 (4448)

Calcium supplementation for the management of primary hypertension in adults

#13: PREGNANCY[Mesh] (676296)

#14: "pre eclampsia"[Title/Abstract] (6568)

#15: #13 OR #14 (677032)

#16: #12 NOT #15 (4152)

Limit to 2005 to present (1380)

Saving the results

1. Clipboard
2. NCBI

Search Alert

Home Work

- What are the tags in the PubMed?

Structure of a search strategy

- Based on your eligibility criteria
- Start with the 2 or 3 most important concepts
- Focus on those most likely to be found in title & abstract

P participants

I intervention

~~C comparison~~

~~O outcomes~~

S study design

Structure of a Search Strategy

- Example:
Helmets for preventing head and facial injuries in cyclists

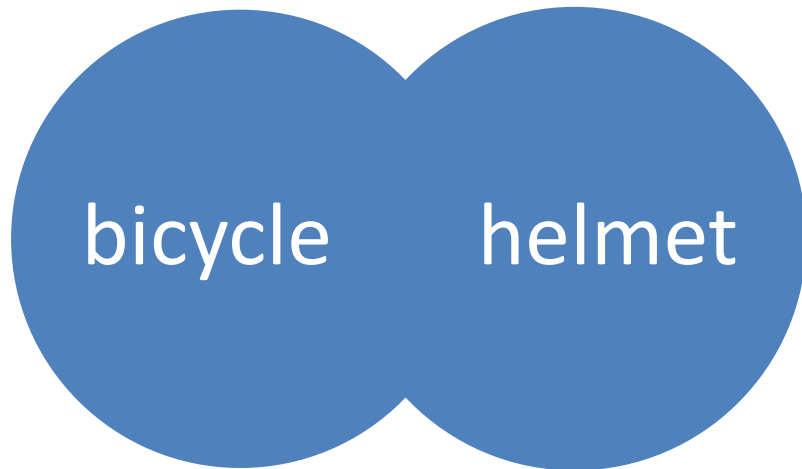


P cyclists

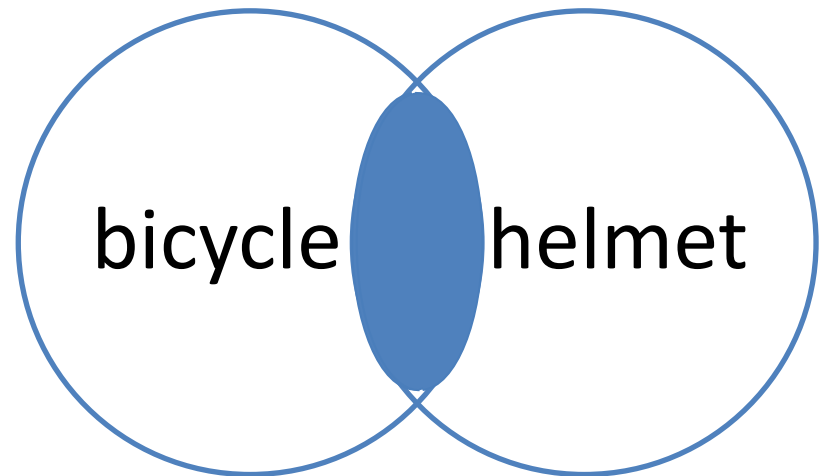
I helmets

S RCTs

Boolean Operators

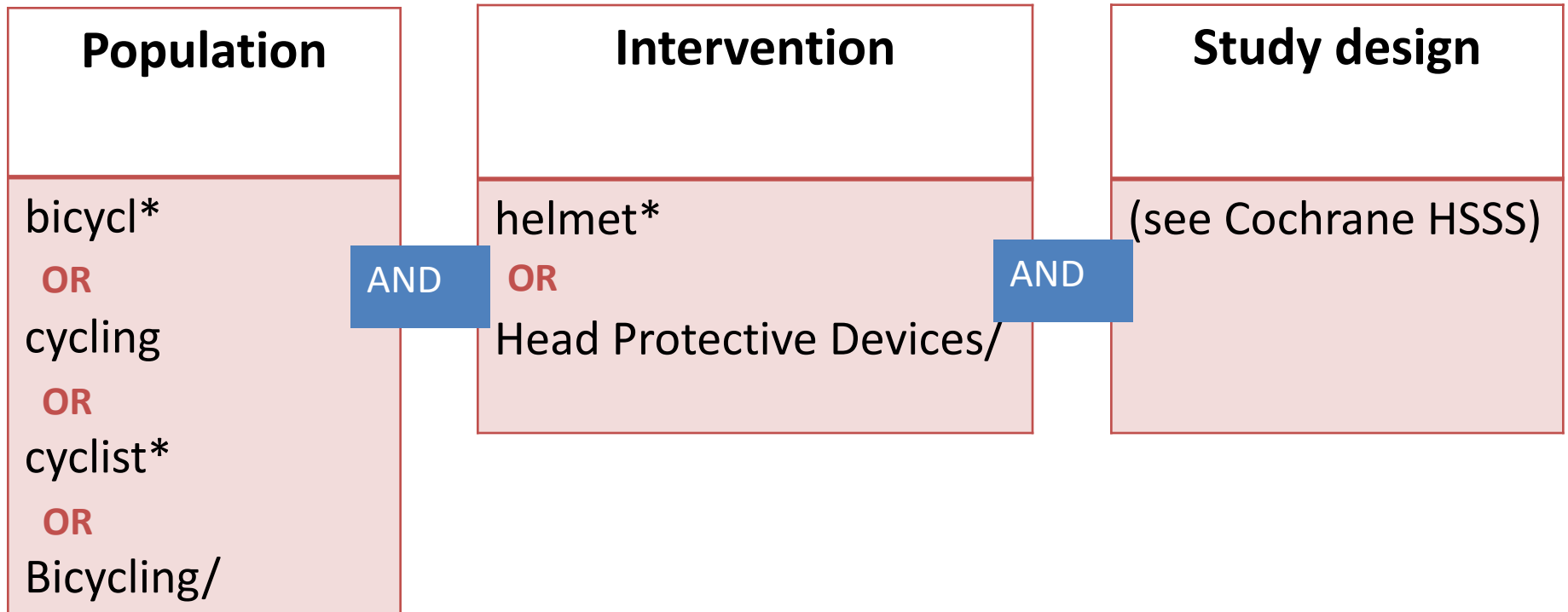


OR – to expand search



AND – to narrow search

Nop Bringing It all Together



- “Brain injury” OR “head injury” OR “skull fracture”

Sample PubMed strategy

Cycling

1. bicycl* [tiab]
2. cycling [tiab]
3. cyclist* [tiab]
4. bicycling [mesh: noexp]
5. #1 OR #2 OR #3 OR #4

Helmets

6. helmet* [tiab]
7. head protective devices [mesh: noexp]
8. #6 OR #7

RCTs

9. randomized controlled trial [pt]
10. controlled clinical trial [pt]
11. randomized [tiab]
12. placebo [tiab]
13. drug therapy [sh]
14. randomly [tiab]
15. trial [tiab]
16. groups [tiab]
17. #9 OR #10 OR #11 OR #12 OR #13 OR #14 OR #15 OR #16
18. animals [mh] NOT humans [mh]
19. #17 NOT #18
20. #5 AND #8 AND #19