Several colorful pills (red, blue, and white) are scattered across the top of the slide.

Preceptor Connection: Library Resources that puts Information at your Fingertips and Searching Refresher

Janice Kung & Deanna Townsend
Sept 7, 2023





Library Resources Overview

U of A vs. AHS

Attention: Preceptors!

Apply for U of A Library Access!

Clinical Preceptors: 120 days
Clinical Academic Colleagues: 3-year rolling term

Wealth of journals & Resources!

Increased access to journals not available at AHS.

E.g. Scopus/Web of Science



Preceptor Library Access Form



Library Access Form For Preceptors

Please note the following information is being requested so we can ensure you are entered into our human resources database at the University of Alberta 1) accurately; and 2) without making a duplicate entry. Once you are entered into our database, you will then be recognized as a Clinical Preceptor and given a CCID which will enable electronic library access. All of these fields must be completed in order for you to be assigned a CCID in our database.

Once approved, library access is granted for 120 days (except for CAC appointed preceptors).

First Name: *	Last Name: *
<input type="text"/>	<input type="text"/>
Maiden Name (if applicable)	Date of Birth: *
<input type="text"/>	<input type="text"/>
E-mail *	Phone *
<input type="text"/>	<input type="text"/>
Gender Identity *	Gender Pronoun
<input type="text"/>	<input type="text"/>
Home Address *	
<input type="text"/>	

Pharmacy and Pharmaceutical Sciences

- Home
- Ebooks (Textbooks)
- Citation Help and Course-specific resources
- Mobile Apps
- Reference Management Software
- Online Dictionaries
- Pharmacy Resources & Patient Info
- Key Journals

Librarian



Article Databases ie. Non-Preappraised Research

- [PubMed \(with links to UofA e-journals\)](#)
- [MEDLINE \(1946-present via Ovid\)](#)
- [Scopus](#)
- [EMBASE](#)
- [Web of Science - All Databases](#)
- [SciFinder-n](#)
- [CINAHL Plus with Full Text](#)
- [PsycINFO](#)
- [Google Scholar](#)

Drug Information

- [CPS Full Access](#)
Includes CPS Drug Information, critical updates such as warnings, advisories, and drug shortages; and useful tools such as medical calculators, Clin-Info, Pill Identifier, and Lexi-Interact drug interaction checker.
- [Lexicomp](#)
Comprehensive drug information tool for use at the point of care. Contains drug monographs, modules for drug interactions, identification, calculations, toxicology, patient education, and natural products. A mobile app is available for download.

Search Across the Hierarchy of Evidence

- [TRIP Pro \(Medical Database\)](#)
- [ACCESSSS Federated Search](#)

Summaries & Guidelines

- [DynaMed](#)
DynaMed is an evidence-based clinical point-of-care tool. [Click here for instructions](#) on how to download the mobile app to your phone.
- [ClinicalKey](#)
- [Tools for Practice](#)
- [CPG Infobase: Clinical Practice Guidelines](#)
- [NICE Guidelines](#)

Preappraised Resources

- [Cochrane Library](#)

KRS - Libraries and Website

krs.albertahealthservices.ca



6 Library Locations

Edmonton, Calgary
& Red Deer



Accessible Resources

Clinical Practice



Support

Chat & Request
Services

The screenshot shows the KRS website homepage. At the top left is the KRS logo and the text 'Knowledge Resource Service'. To the right is the Alberta Health Services logo with a blue arrow pointing down. Below the logo is a navigation menu with items: Home, Search Collections, Subject Guides, Education Guides, Patient Resources, Request, and About Us. A search bar is located below the menu with the placeholder text 'Enter Keywords to find Articles, eBooks and more'. Below the search bar is a welcome message: 'Welcome to the Knowledge Resource Service website!'. There are three main content areas: 1. A green box with the text 'CMA's Info Services Ending Learn about KRS offerings for AHS Physicians'. 2. A 'Latest News' section featuring a slide about 'Artificial Intelligence: Tech, Tools & Tips for Researchers' with a call to action 'Learn more about this emerging tech in our timely topic spotlight'. 3. A 'Popular Resources' list including DynaMed, Lippincott Advisor, Lippincott Procedures, MEDLINE (via Ovid), Lexicomp, CINAHL, PubMed, Micromedex, CPS/Therapeutic Choices, and APA PsycInfo. On the right side, there are three utility boxes: 'FAQs' with a search input and 'Ask' button; 'Chat with KRS' with a 'Welcome to Knowledge Resource Service Chat!' message, name and email input fields, and a 'Start Chat' button; and 'Quick Links' with 'Ask KRS a Question' and 'Request a Literature Search'.

Supporting Evidence-Informed Practice

Reference Services
& Support

Subscription
Databases & Point
of Care Tools

KRS Knowledge Resource Service

Alberta Health Services

Home Search Collections - Subject Guides Education Guides Patient Resources Request - About Us -

KRS Website / Home /

Enter Keywords to find Articles, eBooks and more Search

Welcome to the Knowledge Resource Service website!

CMA's Info Services Ending
Learn about KRS offerings
for AHS Physicians

Latest News

Looking to keep up with the latest research?
Get new issues sent to your inbox
and read articles in one click

Join our new Journal Alert Service Sign Up Today

What's New? | Check out our latest KRS collection additions

Popular Resources

- DynaMed
- Lippincott Advisor
- Lippincott Procedures
- MEDLINE (via Ovid)
- Lexicomp
- CINAHL
- PubMed
- Micromedex
- CPS/Therapeutic Choices
- APA PsycInfo
- all other Databases
- New Resources
- Timely Topics: COVID-19

FAQs

Type a question... Ask

Chat with KRS

Ask the Library

Our team is currently away, but we'd still like to help! Leave your question below and we'll be in touch during our regular hours - Monday to Friday, 8-4.

Submit your Question

Quick Links

- Ask KRS a Question
- Request a Literature Search
- Request an Article
- Request a Book, CD, DVD

Education Tools

Patient
Resources

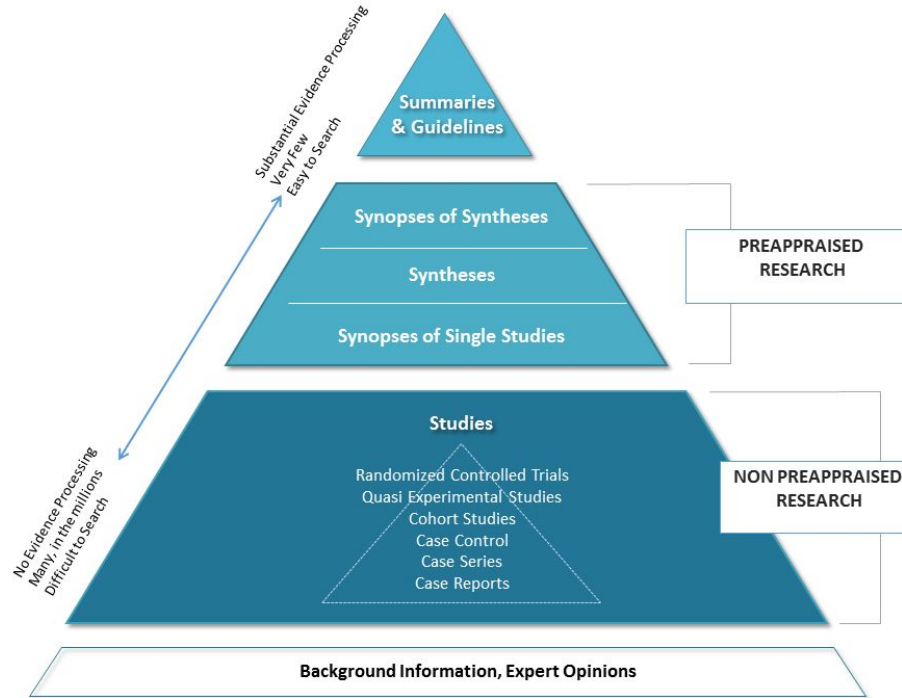


Searching

Basic vs. Advanced



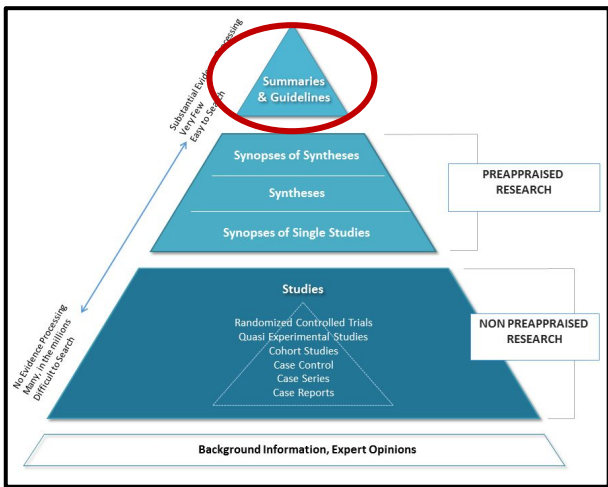
Levels of Evidence





Clinical Searching

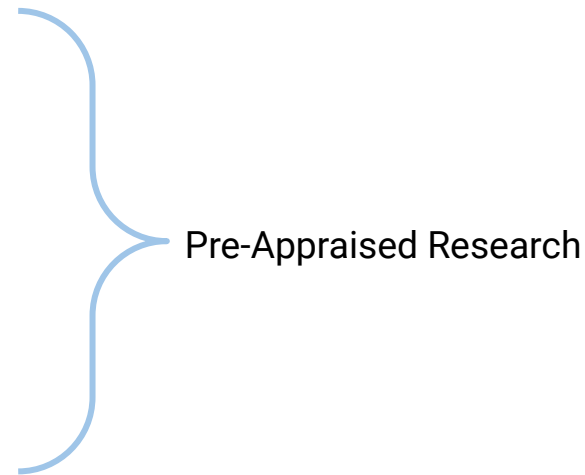
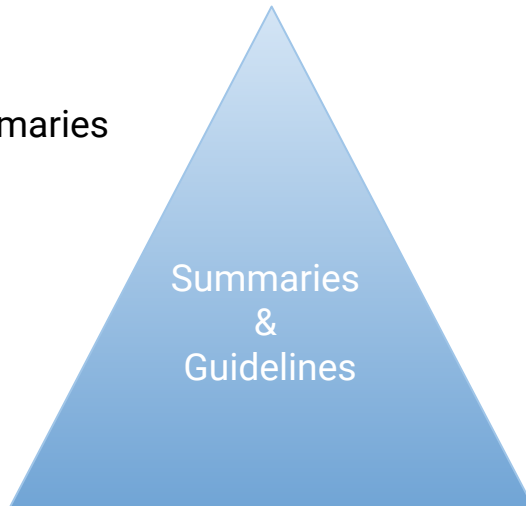
Basic



Levels of Evidence & Clinical Searching

Evidence based summaries
& clinical guidance

- TRIP
- Lexicomp
- Dynamed
- CPS



Point of Care Tools

Clinical Topics & Answers



Evidence-based clinical decision support for all health care staff written by physicians.
Best for its: Breadth/depth of clinical topics, expert overviews and recommendations, easy to find related practice guidelines.
Integrated into [Connect Care](#)



Evidence-based information to support nursing practice at the point of care.
Best for its: Nursing focus, including: nursing considerations for each clinical topic, nursing care plans, patient teaching library.
Integrated into [Connect Care](#)

Summarizes Current Evidence

Information is Concise

Clinical Skills & Procedures



Step-by-step guidance, covering nursing, physical therapy, and respiratory therapy procedures and skills.
Best for its: Clear skill checklists, procedures with images/videos, groupings by specialty settings.
Integrated into [Connect Care](#) and Desktop Shortcut (on most AHS devices)

Supports Clinical Questions & Skills

Connect Care Integrated

Drug Information



Comprehensive drug information with several specialty collections and resources (Trissel's IV-Check, Briggs Drugs in Pregnancy and Lactation, Martindale, ect.)
Best for its: Patient information handouts, and specialty resources.
Integrated into [Connect Care](#)

Easy to Use & Search

Mobile Accessible



Comprehensive drug information and clinical decision support tools
Best for its: Poisoning and toxicology resources

English

influenza



Recent Alerts

Follow your specialty and individual topics to pers

All | Potentially Practice-Changing Only

Evidence • Updated 17 Aug 2023

all-cause mortality among patients successfully treat
direct-acting antivirals appears to be 4-5 times high
2)

View in Chronic Hepatitis C Infection

Evidence • Updated 16 Aug 2023

GO TO

Influenza in Adults

Influenza in Children

Influenza Epidemiology and Pathogenesis

Influenza in Pregnancy

Influenza Virus Vaccine Inactivated

SEARCH FOR

influenza

influenza vaccine

CONDITION

Influenza in Adults

[Topic](#) [Updates](#) [Images](#) [About](#)

SECTIONS:

Overview and Recommendations[Related Topics](#)[General Information](#)[Epidemiology](#)[Etiology and Pathogenesis](#)[Clinical Presentation](#)[Diagnosis](#)[Treatment](#)[Complications and Prognosis](#)[Prevention and Screening](#)[Guidelines and Resources](#)[Patient Information](#)[References](#)[< Previous Section](#) [Next Section >](#)

Overview and Recommendations

☰ In this Section

Background

- Influenza in adults is a **major** cause of mortality and morbidity worldwide.
 - Annual epidemics in adults and children are associated with an estimated 3-5 million cases of severe illness and about 290,000-650,000 deaths.
 - Influenza infection is seasonal in temperate countries, with peaks during the winter months, but has sustained activity throughout the year in tropical climates.
- **Influenza** is a single-stranded, segmented, negative-sense, RNA virus, and member of the Orthomyxoviridae family.
 - Infection can be caused by 1 of 3 types of influenza virus, subtypes A, B, and C.
 - Influenza A and B are the dominant circulating viruses causing seasonal influenza epidemics.
 - Influenza C is believed to cause mild infection, but does not contribute to seasonal epidemics.
 - Minor genetic variations (antigenic drift caused by accumulating random mutations) are the cause of seasonal variation.

SECTIONS:

[Recommendations from Professional Organizations](#)

[Vaccine Composition, Formulations, and Dosing](#)

[Vaccine Selection and Efficacy](#)

[Cautions and Adverse Events](#)

[Additional Information](#)

[Guidelines and Resources](#)

[Patient Information](#)

[References](#)

Seasonal Vaccine Composition

- composition of seasonal influenza vaccines is adjusted annually based on predicted circulating strains
 - trivalent vaccines contain hemagglutinin (HA) antigens derived from 3 influenza virus strains (A/H1N1, A/H3N2, and B)
 - quadrivalent vaccines contain same antigens as trivalent vaccine, plus HA antigens from second B virus strain
- World Health Organization (WHO) recommended composition of seasonal influenza vaccines for 2022-2023 Northern hemisphere influenza season
 - egg-based influenza vaccines
 - quadrivalent formulation
 - A/Victoria/2570/2019 (H1N1)pdm09-like virus
 - A/Darwin/9/2021 (H3N2)-like virus
 - B/Austria/1359417/2021 (Victoria lineage)-like virus
 - B/Phuket/3073/2013 (Yamagata lineage)-like virus
 - trivalent formulation



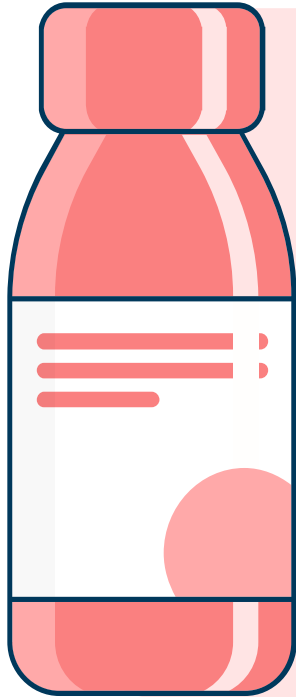
Searching for Research Purposes

Advanced

Steps in a Systematic Search

1. Clearly describe research question
2. Identify concepts in the research question
 - (PICO, highlight concepts on paper)
3. Write concepts into circles
4. Identify synonyms for each concept
5. Combine search concepts using appropriate operators (AND, OR)

Sample Research Question



For patients 65 years and older, does the use of an influenza vaccine reduce the future risk of pneumonia compared with patients who have not received the vaccine?

Identify Concepts in Research Question

P Population or Problem

I Intervention

C Comparison

O Outcomes

S - Study design

T - Time

S - Setting

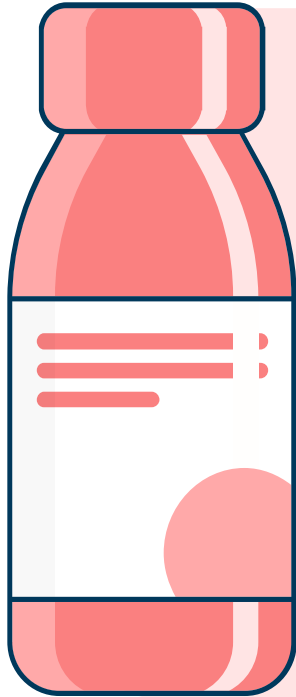
PICOS	Ask yourself:	Example:
Population (patient)	How would I describe a group of patients similar to mine? <i>What main problem am I studying?</i>	
Intervention (drug, procedure, etc.)	Which main intervention, am I considering?	
Comparison (optional)	What is the main alternative to compare with the intervention?	
Outcome	What can I hope to accomplish, measure, improve or affect?	
Study design	What study design would provide the best level of evidence for this question?	

Another Way to Break Down Research Questions

What are the experiences of pharmacists working in disaster settings (e.g. wildfire emergencies)?

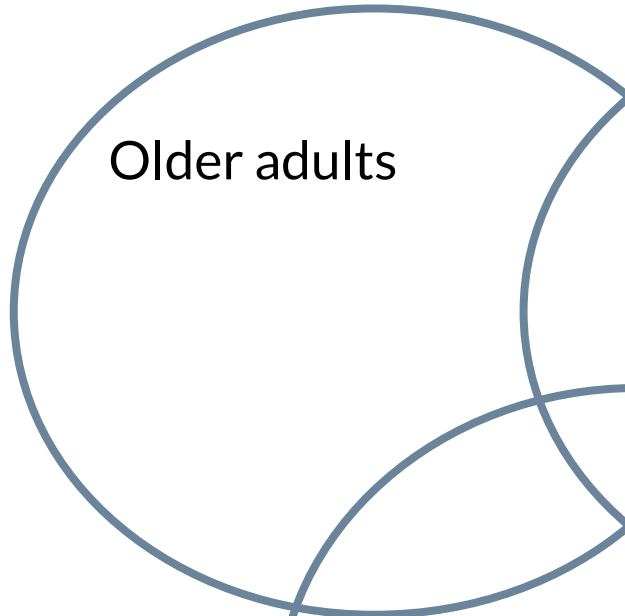
P	Population or Problem	Pharmacists
C	Concept	Experiences
C	Context	Disaster settings

Sample Research Question



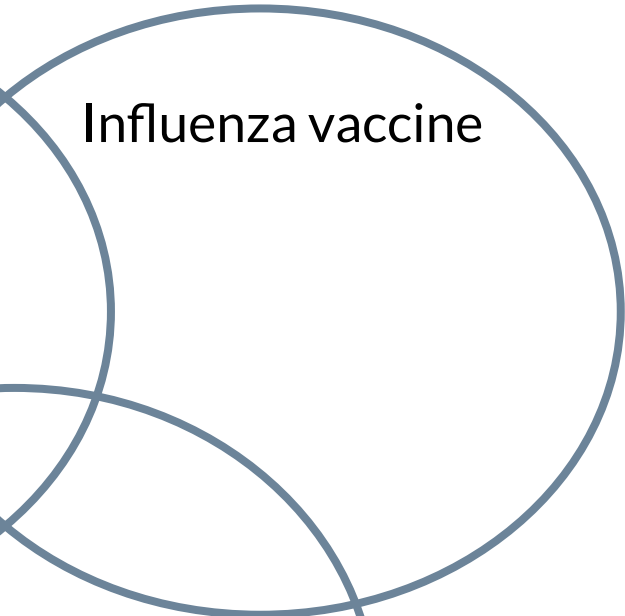
For patients **65 years and older**, does the use of an **influenza vaccine** reduce the future risk of **pneumonia** compared with patients who have not received the vaccine?

SET 1

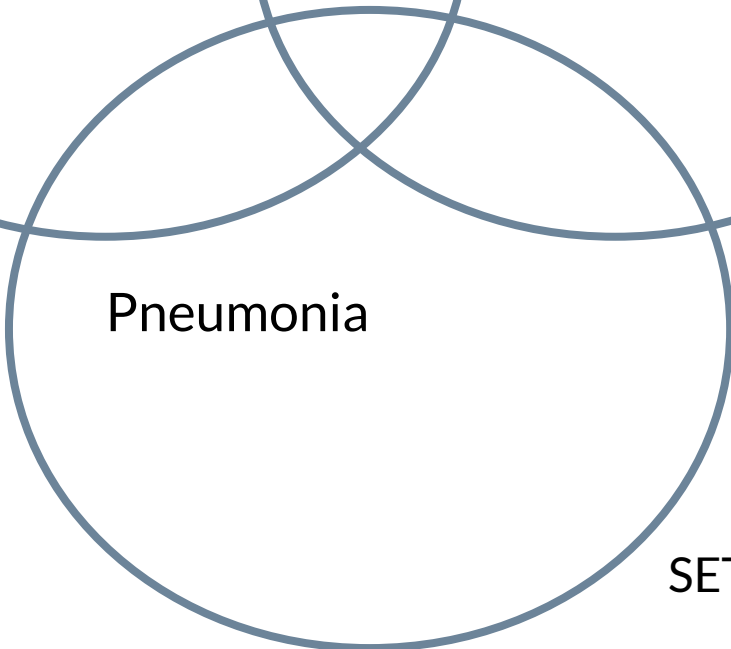


Older adults

Influenza vaccine



SET 2

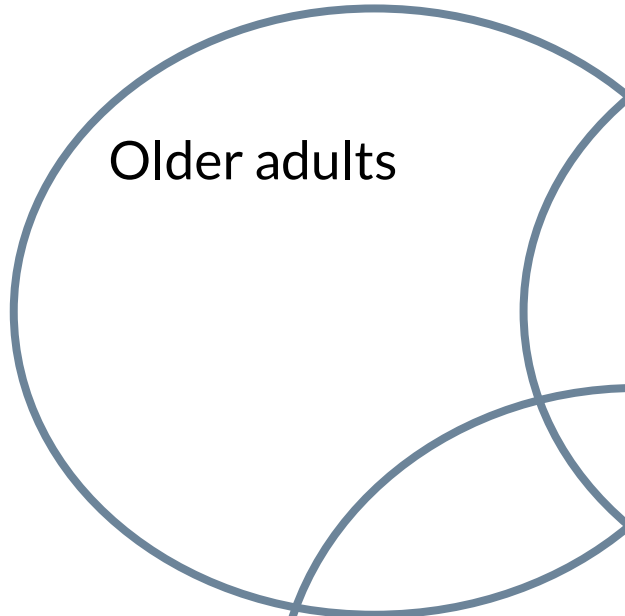


Pneumonia

SET 3

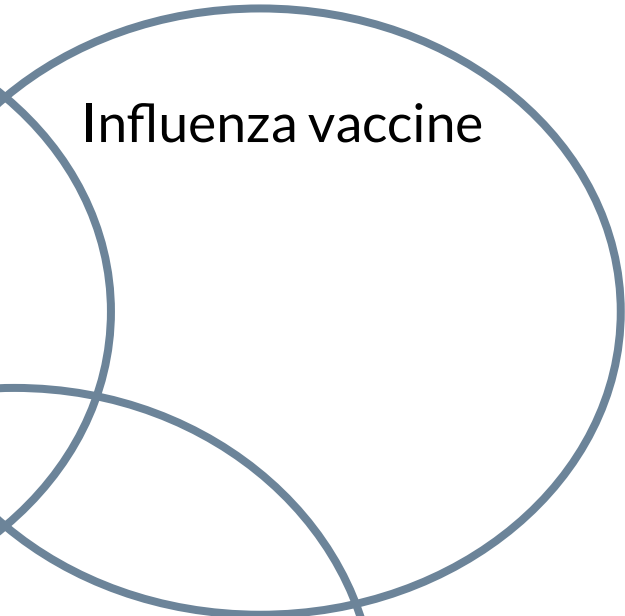
**Move Major Concepts
to Bubbles**

SET 1

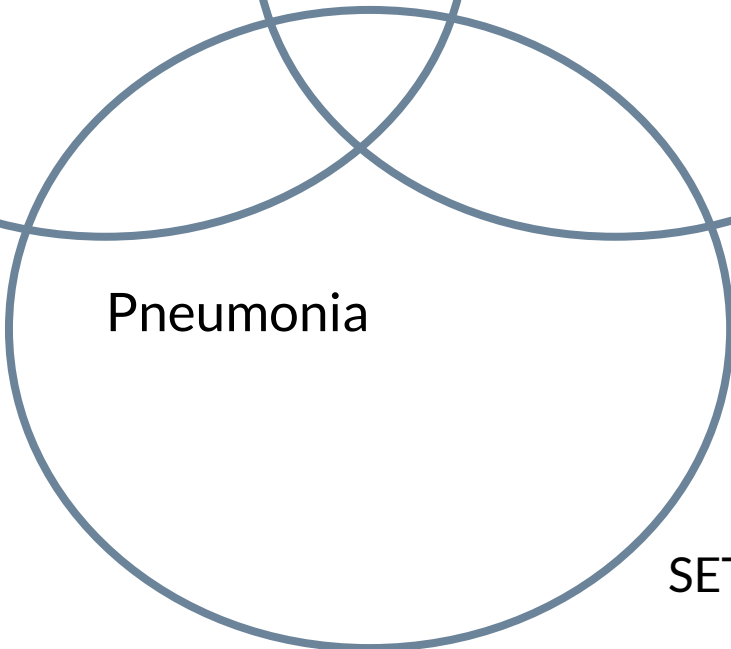


Older adults

Influenza vaccine



SET 2



Pneumonia

SET 3

**Identify Synonyms &
Related Terms**

SET 1

Older adults

Geriatric

Elderly

Influenza vaccine

Flu vaccine

Flu shot

SET 2

Pneumonia

Lung inflammation

Respiratory tract
infections

SET 3

**Identify Synonyms &
Related Terms**

SET 1

Older adult*

Geriatric*

Elderly

Influenza vaccin*

Flu vaccin*

Flu shot*

SET 2

Pneumonia*

Lung inflammation*

Respiratory tract
infection*

SET 3

**Tip! Use
truncation ***

How to Develop a Better Search?

Truncation: kidney* = kidney, kidneys

→ Be careful that the root word is not too short! e.g. cat*

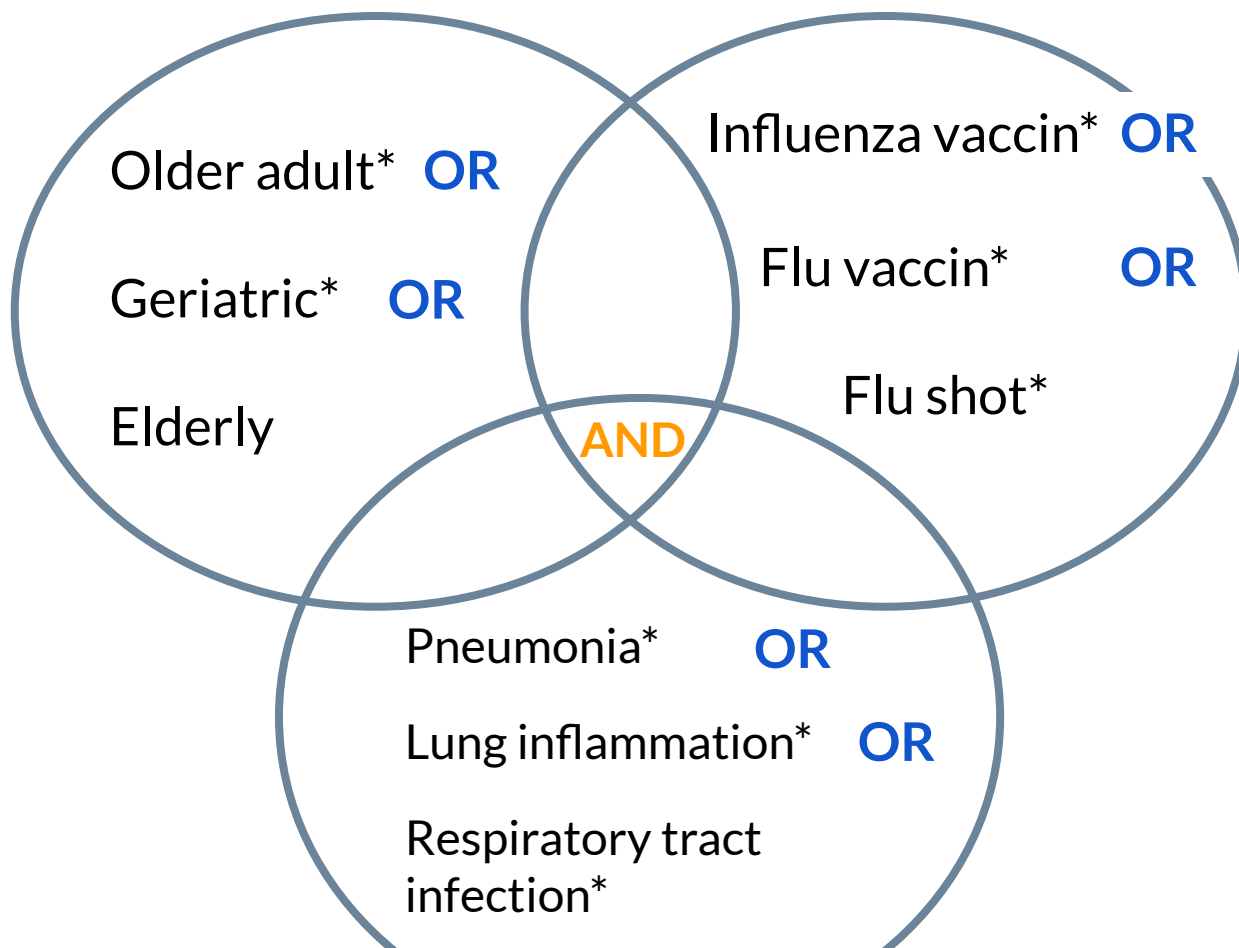
Synonyms: cancer, neoplasms, tumor, malignancy

→ Can be true synonyms, subtypes/examples, methods

Antonyms: barriers/facilitators, success/failure

Alternate spellings: optimise, optimize

Trade names/Generic names: Tylenol vs. acetaminophen



OR = More (older adult* OR geriatric* OR elderly)

AND = Less (older adult* AND flu shot* AND pneumonia*)

Combine Terms: Boolean Operators

Operators tell the database exactly how to combine terms:

- Synonyms are combined with **OR**
- Different Concepts/Sets are combined with **AND**

(older adult* **OR** geriatric* **OR** elderly) **AND** (influenza vaccin* **OR** flu vaccin* **OR** flu shot*) **AND** (pneumonia* **OR** lung inflammation* **OR** respiratory tract infection*)

Before Going to MEDLINE..



Subject Headings!

 Sa-co  @GroguLov  18 mai
#Grogu  #TheMandalorian 



 3

 152

 790

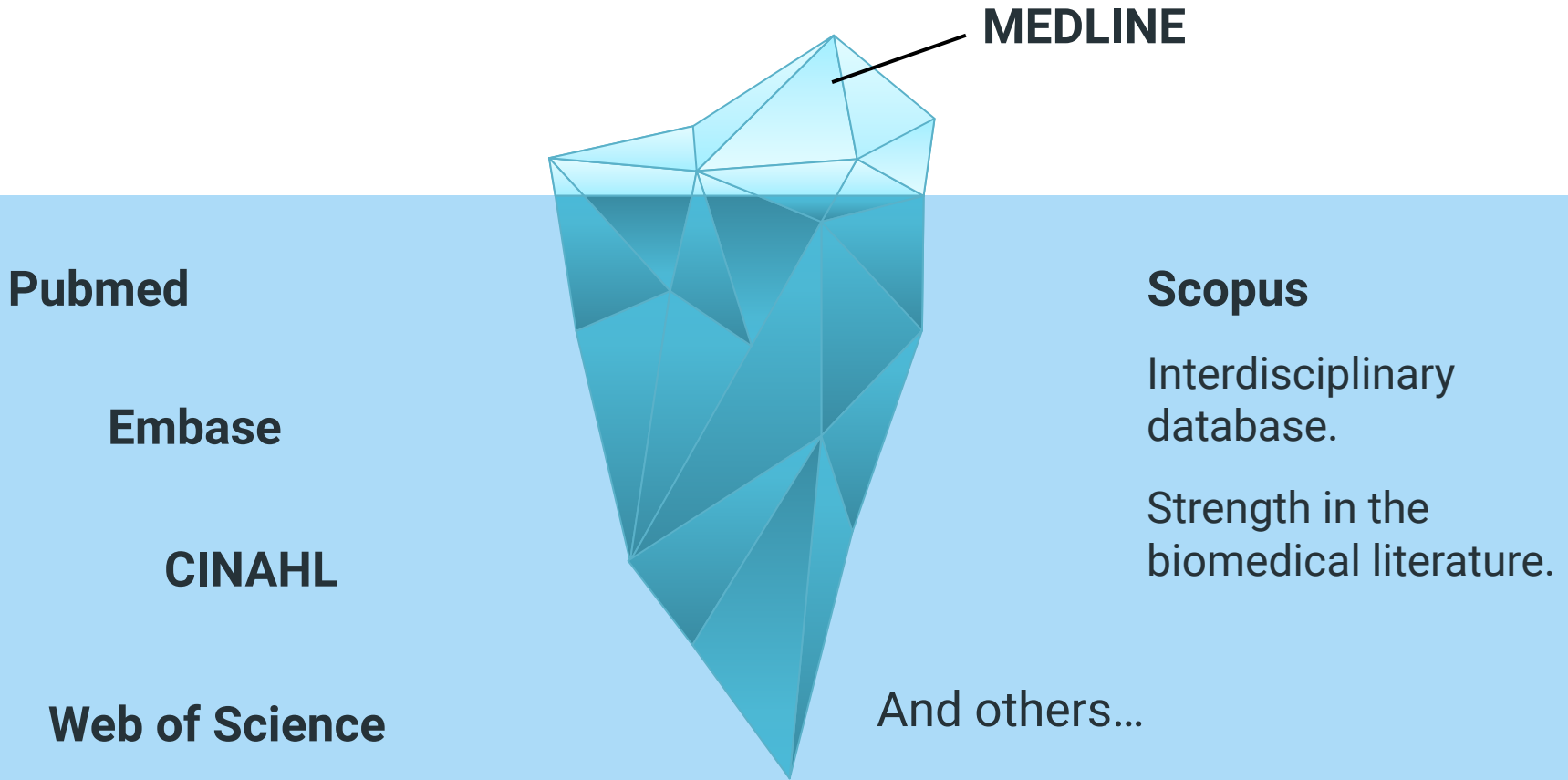
 15,4 k



<input type="checkbox"/>	# ▲	Searches	Results
<input type="checkbox"/>	1	older adult*.mp.	118219
<input type="checkbox"/>	2	exp "Aged, 80 and over"/ or exp Aged/	3447054
<input type="checkbox"/>	3	geriatric*.mp.	119263
<input type="checkbox"/>	4	elderly.mp.	301955
<input type="checkbox"/>	5	1 or 2 or 3 or 4	3579109
<input type="checkbox"/>	6	exp Influenza Vaccines/ or influenza vaccin*.mp.	32722
<input type="checkbox"/>	7	flu vaccin*.mp.	1876
<input type="checkbox"/>	8	flu shot*.mp.	424
<input type="checkbox"/>	9	6 or 7 or 8	33453
<input type="checkbox"/>	10	pneumonia*.mp. or exp Pneumonia/	469729
<input type="checkbox"/>	11	lung inflammation*.mp.	8901
<input type="checkbox"/>	12	Respiratory Tract Infections/ or respiratory tract infection*.mp.	58284
<input type="checkbox"/>	13	10 or 11 or 12	520295
<input type="checkbox"/>	14	5 and 9 and 13	1214

MEDLINE Search Tips

- Search keywords one at a time, line by line
- Include subject headings where relevant, “tags”
 - Use **Scope Notes** to find more keywords
- **.mp.** = Keyword search, machine reading “many places” of the record
- **.ti.** = Search only in the **title** of the article
- Save your search!



Search within

Article title, Abstract, Keywords



Search documents *

"older adult*" OR geriatric* OR elderly

AND



Search within

Article title, Abstract, Keywords



Search documents

"influenza vaccin*" OR "flu vaccin*" OR "flu shot*"

AND



Search within

Article title, Abstract, Keywords



Search documents

pneumonia* OR "lung inflammation*" OR "respiratory tract infection*"

[+ Add search field](#)



[Add date range](#)

[Advanced document search >](#)

(TITLE-ABS-KEY ("older adult*" OR geriatric* OR elderly) AND TITLE-ABS-KEY ("influenza vaccin*" OR "flu vaccin*" OR "flu shot*") AND TITLE-ABS-KEY (pneumonia* OR "respiratory tract infection*"))

Edit Save Set alert

Search within results...



Refine results

Open Access

- All Open Access (588) >
- Gold (247) >
- Hybrid Gold (72) >
- Bronze (151) >
- Green (471) >

Learn more

Year

- 2023 (8) >

Documents Secondary documents Patents

Analyze search results

Show all abstracts Sort on: **Date (newest)**

All

	Document title	Authors	Year	
<input type="checkbox"/> 1	Vaccine-Preventable Diseases in Older Adults	Al-Jabri, M., Rosero, C., Saade, E.A.	2023	
	Related documents			
<input type="checkbox"/> 2	Severity of influenza illness by seasonal influenza vaccination status among hospitalised patients in four South American countries, 2013–19: a surveillance-based cohort study	Regan, A.K., Arriola, C.S., Couto, P., (...), Azziz-Baumgartner, E., Ropero, A.M.	2023	The Lancet Infectious Diseases 23(2), pp. 222-232 2

Related documents

- Date (newest)
- Date (oldest)
- Cited by (highest)**
- Cited by (lowest)
- Relevance
- First Author (A-Z)
- First Author (Z-A)
- Source Title (A-Z)



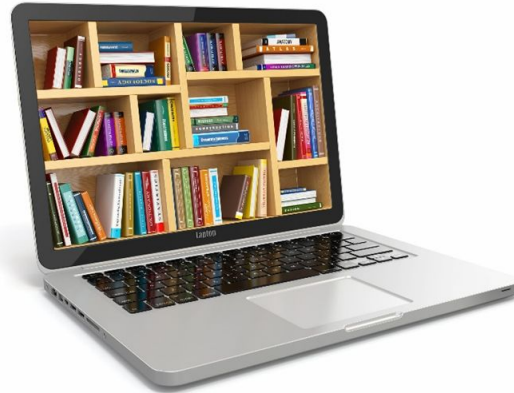
Citation Managers

Keeping Track of your Literature

Benefits of Reference Managers

A

Collect &
Organize
References



B

Compile & Create
Bibliographies

C

Export Directly
from Databases

D

Share &
Collaborate
with Colleagues

Choosing a Reference Manager

	EndNote 20	EndNote Basic	Mendeley	Zotero
Best features	<p>Can store 10,000+ references and PDFs</p> <p>Deduplicates large numbers of references</p> <p>Many reference types (helpful for accurate citation)</p> <p>Highly customizable</p> <p>Ability to work offline</p>	<p>Free</p> <p>Cloud-based</p> <p>Many reference types (helpful for accurate citation)</p>	<p>Free (up to 2GB of online storage)</p> <p>User-friendly interface</p> <p>Ability to work offline</p>	<p>Free (up to 300 MB online storage)</p> <p>Open source</p> <p>User-friendly interface</p> <p>Imports accurate metadata for a wide variety of source types</p> <p>Ability to work offline</p> <p>Integration with multiple word processors</p>
Drawbacks	<p>Price (~\$140)</p> <p>License tied to one device</p> <p>Steeper learning curve than other options</p> <p>No Google Docs integration (only MS Word and LibreOffice)</p>	<p>Limited storage capacity</p> <p>Limited citation styles and no custom style editing</p> <p>No PDF annotation</p> <p>No Google Docs integration (only MS Word and LibreOffice)</p>	<p>Small number of reference types</p> <p>Limited group sharing for free accounts</p> <p>No Google Docs integration (only MS Word)</p>	<p>Limited free cloud-based storage</p> <p>Works best with one primary workstation</p>

Further Questions? Ask us!

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Deanna Townsend, MLIS



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[Help us improve this session.](#)