Simple and Successful Literature Review Search Strategies

Adele Dobry, MLIS

15 January 2016

ANIA Southern California Chapter Conference

Introduction





Nursing reimagined. Nursing redefined.





it begins with U

UCLA Department of Nursing

Ronald Reagan UCLA Medical Center Receives Highest Nursing Credential For Third Time Magnet Designation



Today we will go over:

- Levels of Evidence
- How to create a search strategy
- Using the search strategy in a database, such as CINAHL or PubMed
- ► How to utilize database tools, such as filters to refine searches
- Subject headings to find exactly what you want

Levels of Evidence

Usefulness for cause and effect decision-making

Relates to the scientific design, rigor of the study

Systematic review and meta-analysis of well-designed RCTs

Well-designed RCT

Well-designed quasi-experimental studies (non-randomized)

Well-designed case-control and cohort studies

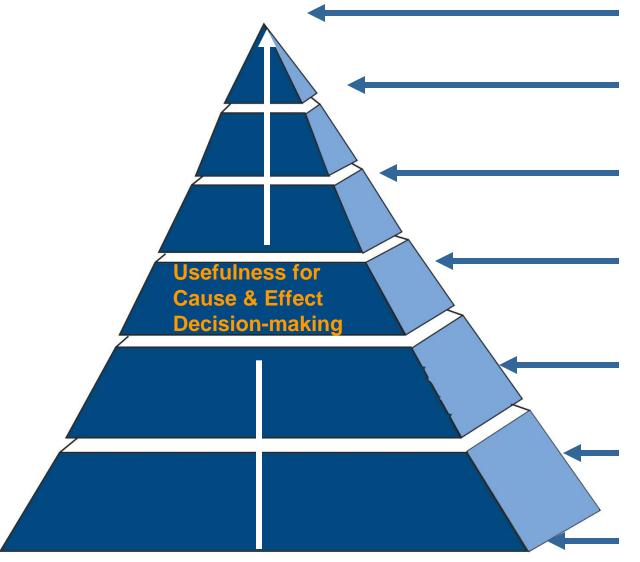
Systematic reviews of descriptive or qualitative studies

Single descriptive or qualitative study

Expert opinion or reports, animal studies, in vitro studies (laboratory), text books

Created by: Bernadette Melnyk PhD, RN, CPNP/PMHNP, FNAP, FAAN

Levels of Evidence



Systematic review or metaanalysis of all relevant randomized controlled trials (RCTs),

Evidence-based clinical practice guidelines based on systematic reviews of RCTs

Evidence obtained from at least one well-designed RCT Evidence obtained from well-designed controlled trials without randomization and from well-designed case-control and cohort studies

Evidence from systematic reviews of descriptive and qualitative studies
Evidence from a single descriptive or qualitative study

Evidence from the opinion of authorities and/or reports of expert committees

Systematic Reviews Randomized Control Trials Quasi-Experimental Studies **Cohort Studies** Case-Controlled Studies Observational or Descriptive Studies Expert Opinion, Laboratory Research, Expert Consensus

PICO(T) question

- ▶ P- Patient, population, problem
- ► I- Intervention, exposure, or prognosis factor
- C- Comparison or comparator
- O- Outcome
- ► T- Type of question and/or timeframe

Does telehealth improve chronically ill patient health outcomes?

- P- chronically ill patients
- ► I- telehealth
- C- non-telehealth interventions
- O- improved chronic disease management

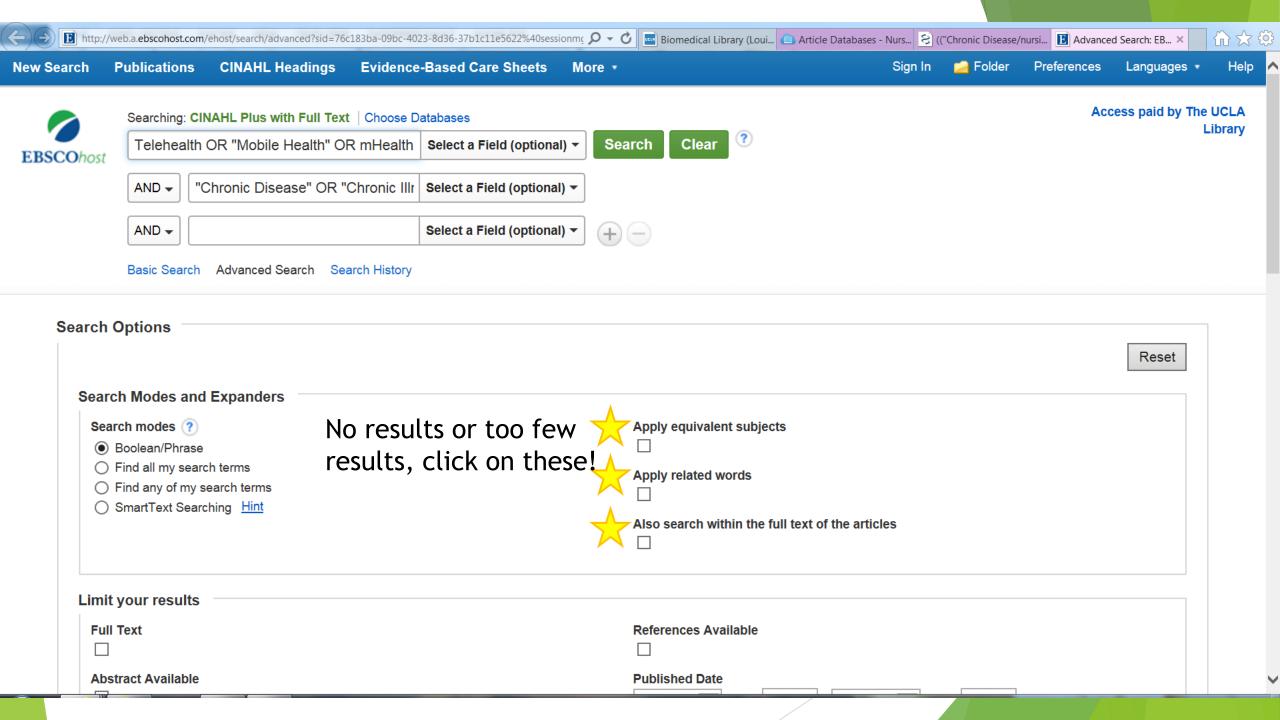
Search Strategy

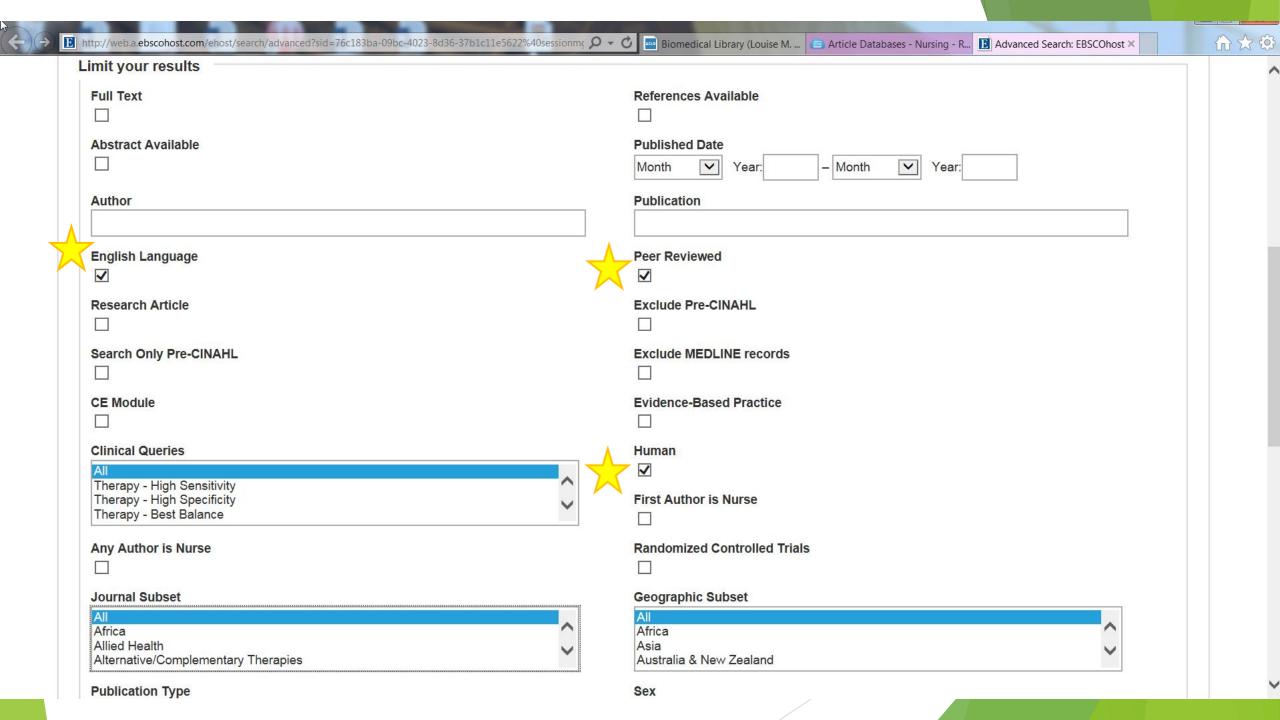
- Telehealth
 - ► Mobile Health OR mHealth OR eHealth

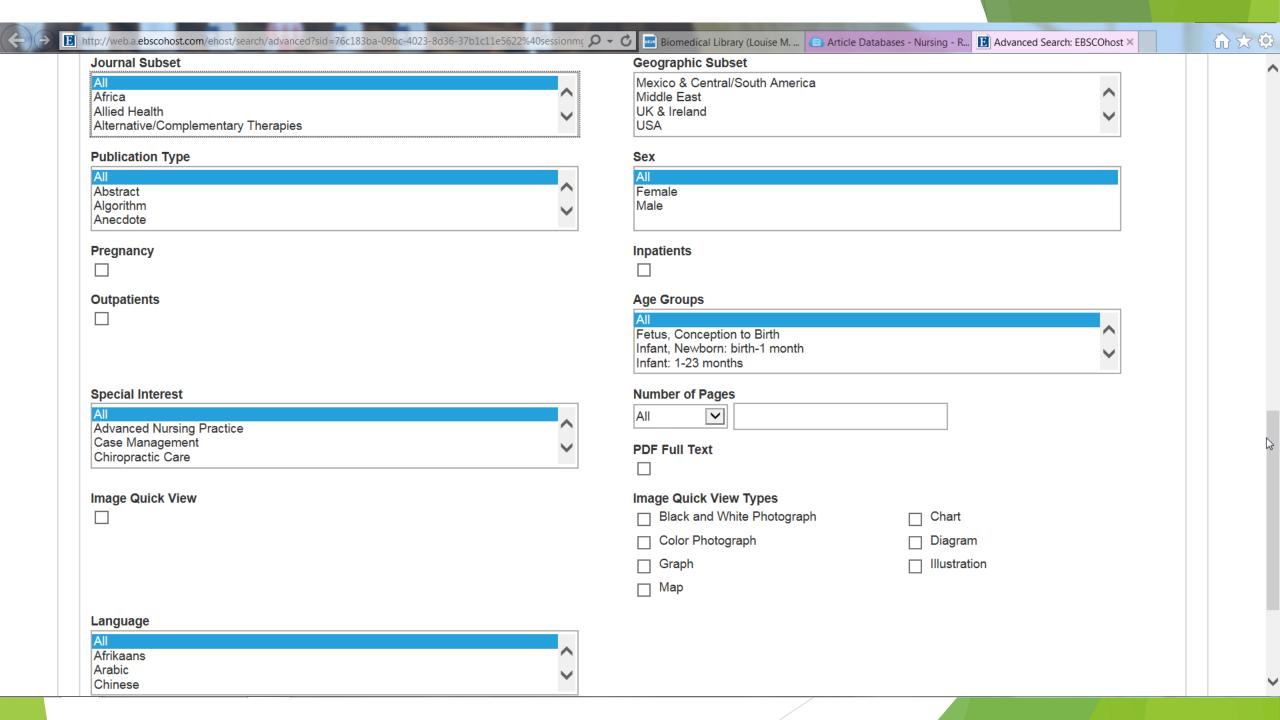
- Chronically ill
 - ► Chronic Disease OR Chronic Illness

CINAHL Cumulative Index of Nursing and Allied Health

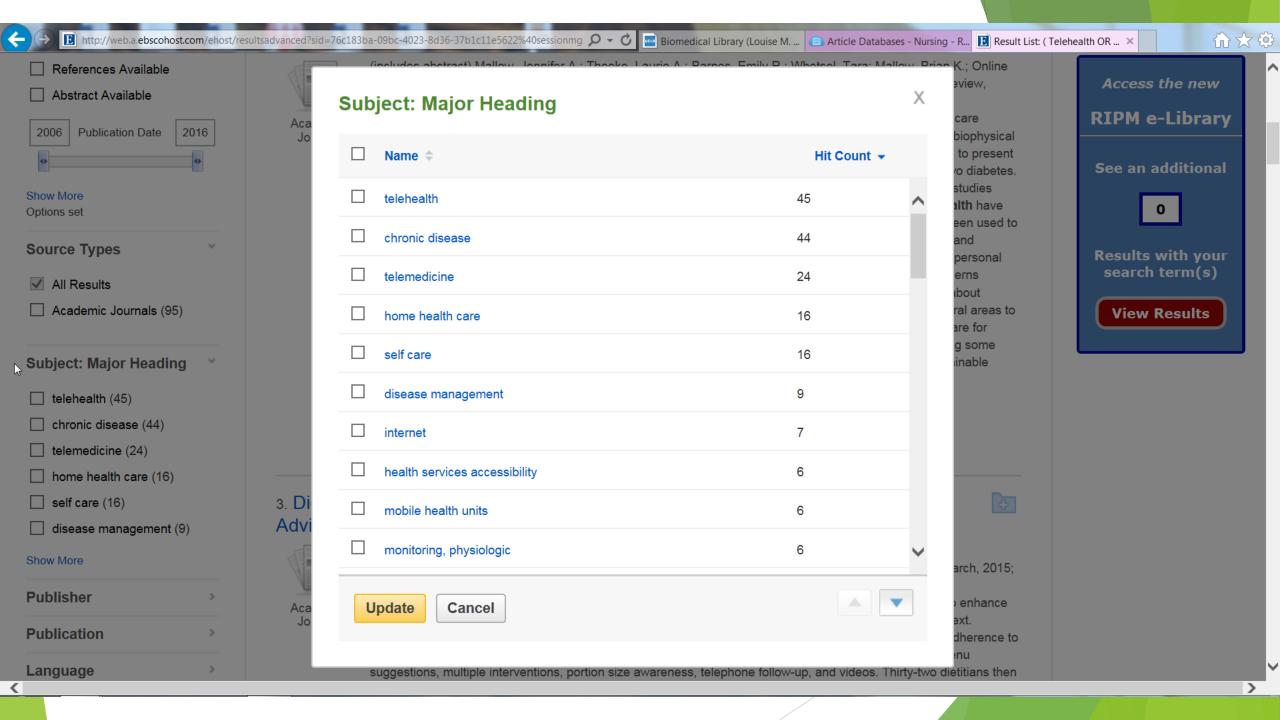
- Indexes journals from the fields of nursing and allied health, with indexing back to 1937.
- Covers nursing, biomedicine, health sciences librarianship, alternative/complementary medicine, consumer health and 17 allied health disciplines.
- Offers complete coverage of English-language nursing journals and publications from the National League for Nursing and the American Nurses' Association.

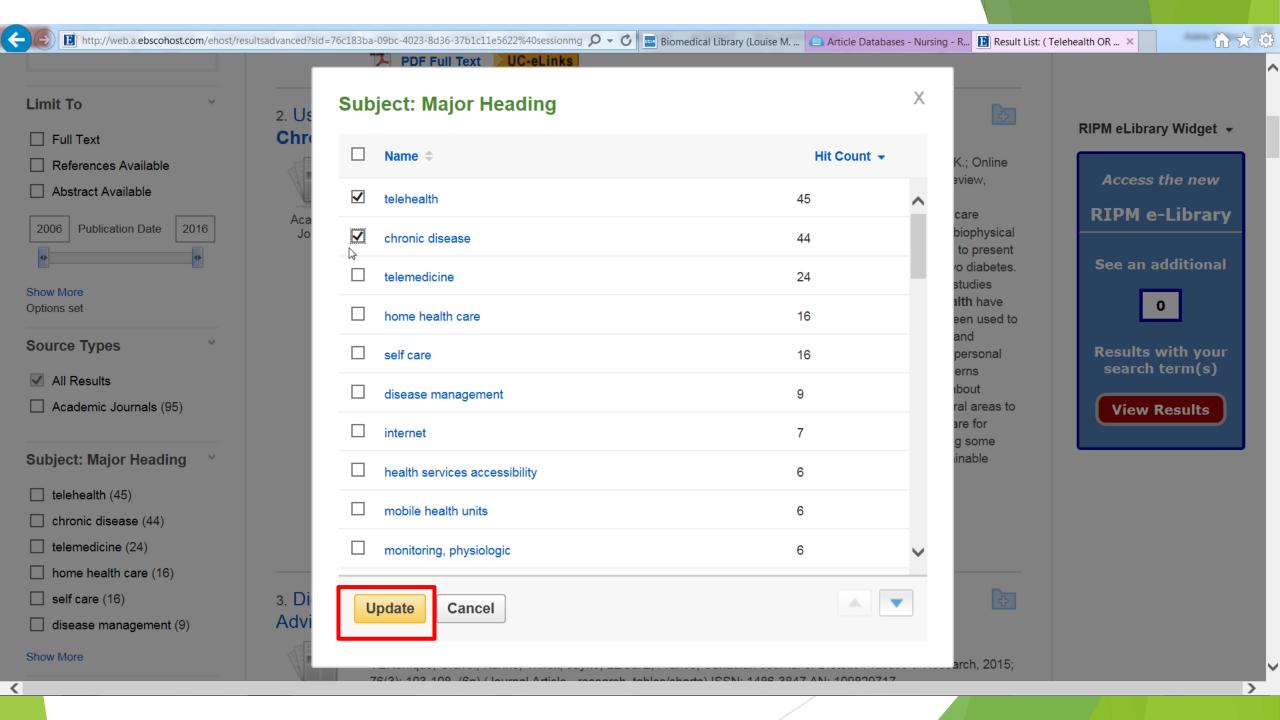






76(3): 103-108. (6p) (Journal Article - research, tables/charts) ISSN: 1486-3847 AN: 109829717





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Refine Results

Current Search

Boolean/Phrase: Telehealth OR "Mobile Health" OR mHealth OR

eHealth)... Limiters

X **Published Date:** 20060101-20161231

x English Language

X Peer Reviewed

X Human

Subject: Major Heading

telehealth

chronic disease \mathbf{x}

x

Clear All

Limit To

	Ful	l Text
-		

References Available

Abstract Available

Publication Date

Search Results: 1 - 20 of 67

1. Integrated **Telehealth** Care for **Chronic Illness** and Depression in Geriatric Home Care Patients: The Integrated **Telehealth** Education and Activation of Mood (I-TEAM) Study.



Academic Journal

(includes abstract) Gellis, Zvi D.; Kenaley, Bonnie L.; Have, Thomas Ten; Journal of the American Geriatrics Society, May2014; 62(5): 889-895. (7p) (Journal Article - research, tables/charts, randomized controlled trial) ISSN: 0002-8614 PMID: 24655228 AN: 103946570

Subjects: Telehealth; Depression Therapy; Chronic Disease Therapy; Gerontologic Care; Home Health Care; Aged: 65+ years; Aged, 80 & over; Male; Female









PDF Full Text

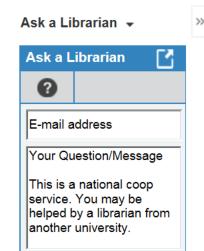


2. Dietitians' Perspectives on Interventions to Enhance Adherence to Dietary Advice for **Chronic** Diseases in Adults.



Academic Journal

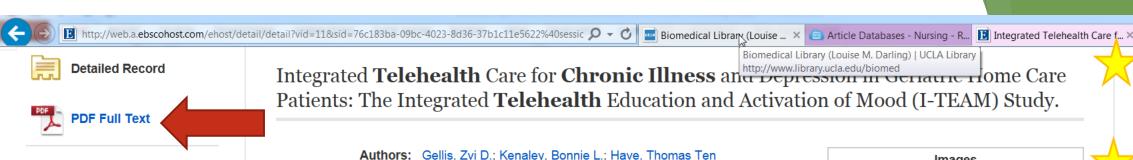
(includes abstract) Desroches, Sophie; Lapointe, Annie; DeschÊNes, Sarah-Maude; Bissonnette-Maheux, VÉRonique; Gravel, Karine; Thirsk, Jayne; LÉGarÉ, France; Canadian Journal of Dietetic Practice & Research, 2015; 76(3): 103-108. (6p) (Journal Article - research, tables/charts) ISSN: 1486-3847 AN: 109829717 Abstract: Purpose: To assess dietitians' perspectives on the importance and applicability of interventions to enhance adherence to dietary advice for preventing and managing chronic diseases in adults in the Canadian context. Methods: Based on a Cochrane systematic review, we identified 8 promising interventions for enhancing adherence to dietary advice: behavioural contracts, exchange lists, feedback based on self-monitoring, individualized menu suggestions, multiple interventions, portion size awareness, telephone follow-up, and videos. Thirty-two dietitians then completed a 3-round Delphi study by responding to an electronic questionnaire asking them to rate the importance and applicability in their practice of the 8 interventions on a 7-point Likert scale. Results: Using a ≥75% level of agreement, 4 interventions showed strong consensus; multiple interventions, feedback based on self-monitoring.



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using SmartText Searching.

Integrated Telehealth Care for Chronic Illness and Depression in Genatic Flore Care Patients: The Integrated **Telehealth** Education and Activation of Mood (I-TEAM) Study.

Authors: Gellis, Zvi D.; Kenaley, Bonnie L.; Have, Thomas Ten

Affiliation: Center for Mental Health and Aging, School of Social Policy and

Practice, University of Pennsylvania

School of Social Work, Boise State University

Center for Clinical Epidemiology and Biostatistics, Perelman School

of Medicine, University of Pennsylvania

Source: Journal of the American Geriatrics Society (J AM GERIATR SOC),

May2014; 62(5): 889-895. (7p)

Publication Type: Journal Article - research, tables/charts, randomized controlled trial

Language: English

Major Subjects: Telehealth

Depression -- Therapy Chronic Disease -- Therapy

Gerontologic Care Home **Health** Care

Minor Subjects: Human; Randomized Controlled Trials; Descriptive Statistics; Treatment Outcomes; Questionnaires; Unpaired T-Tests;

Chi Square Test; Regression; Aged; Aged, 80 and Over; Male; Female; Psychoeducation; Funding Source

Journal Subset: Biomedical; Peer Reviewed; USA

Special Interest: Gerontologic Care

Instrumentation: Short Form 12 Health Survey (SF-12)

Social Problem-Solving Inventory-Revised (SPSI-R)

Patient Health Questionnaire (PHQ)

Mini-Mental Status Examination (MMSE) (Folstein et al)

Patient Satisfaction Questionnaire

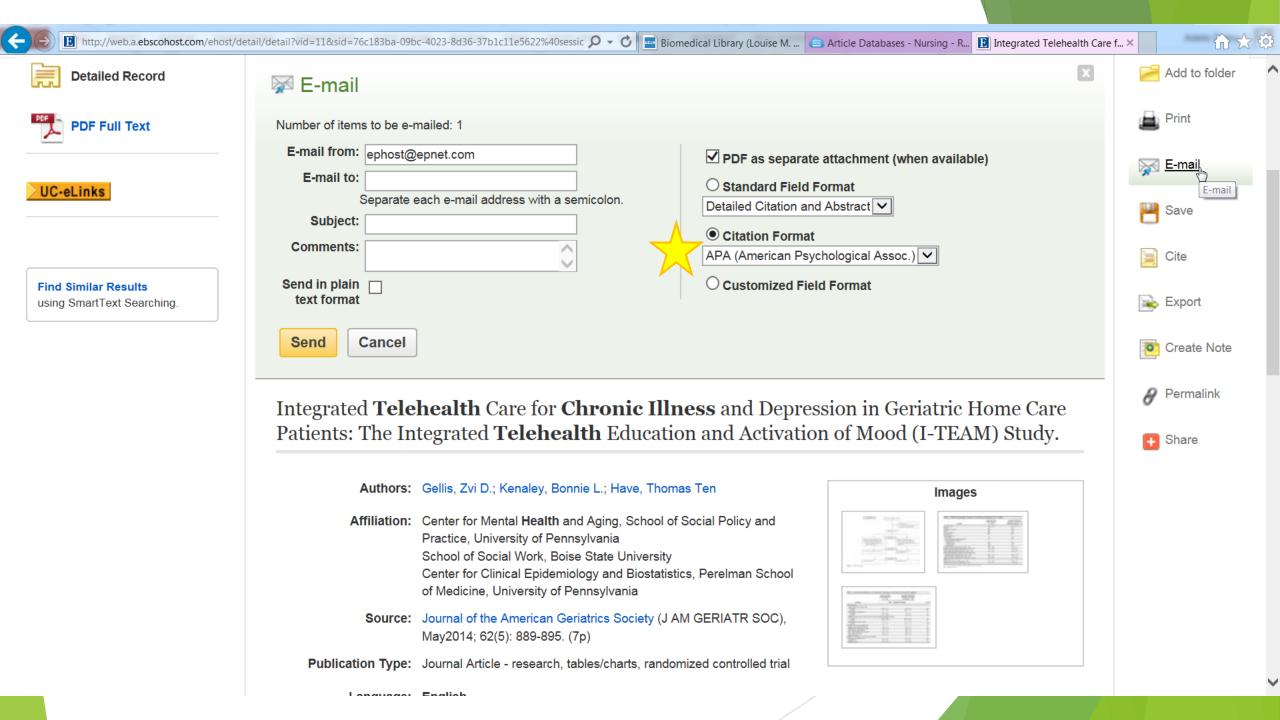


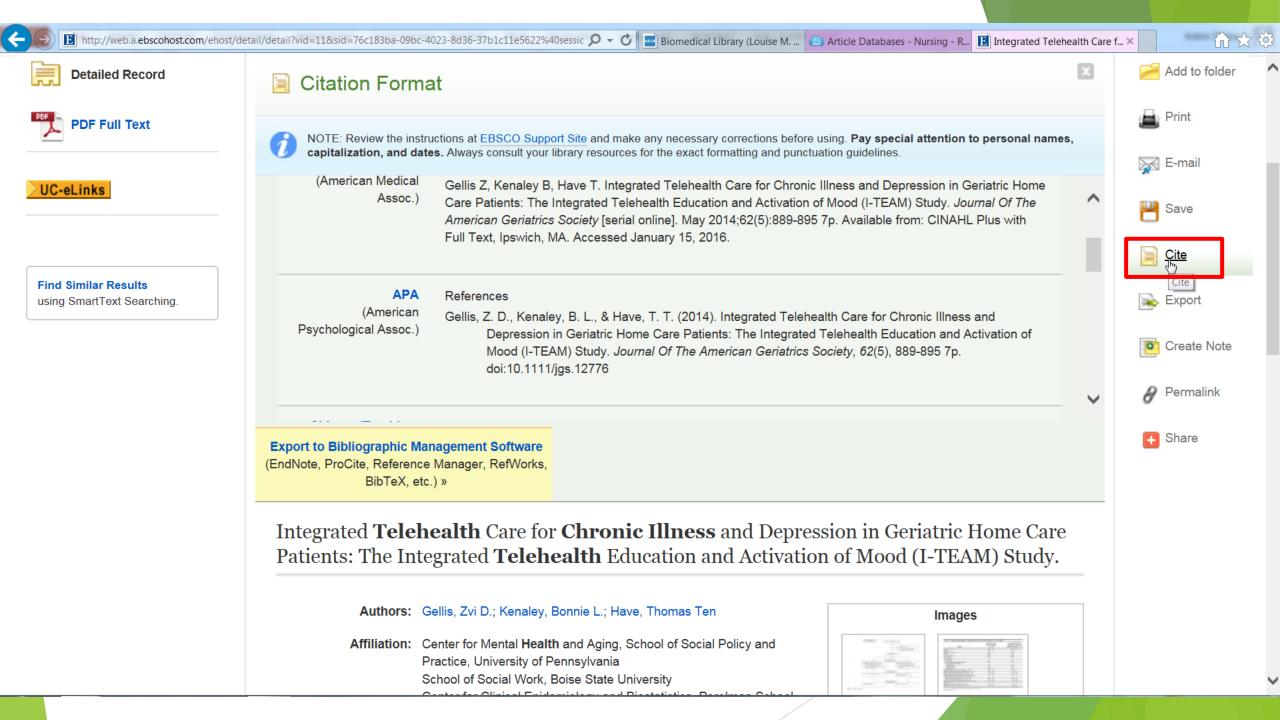
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Integrated **Telehealth** Care for **Chronic Illness** and Depression in Geriatric Home Care Patients: The Integrated **Telehealth** Education and Activation of Mood (I-TEAM) Study. Authors: Gellis, Zvi D.; Kenaley, Bonnie L.; Have, Thomas Ten **Images** Affiliation: Center for Mental Health and Aging, School of Social Policy and Practice, University of Pennsylvania School of Social Work, Boise State University Center for Clinical Epidemiology and Biostatistics, Perelman School of Medicine, University of Pennsylvania **Source:** Journal of the American Geriatrics Society (J AM GERIATR SOC), May2014; 62(5): 889-895. (7p) Publication Type: Journal Article - research, tables/charts, randomized controlled trial

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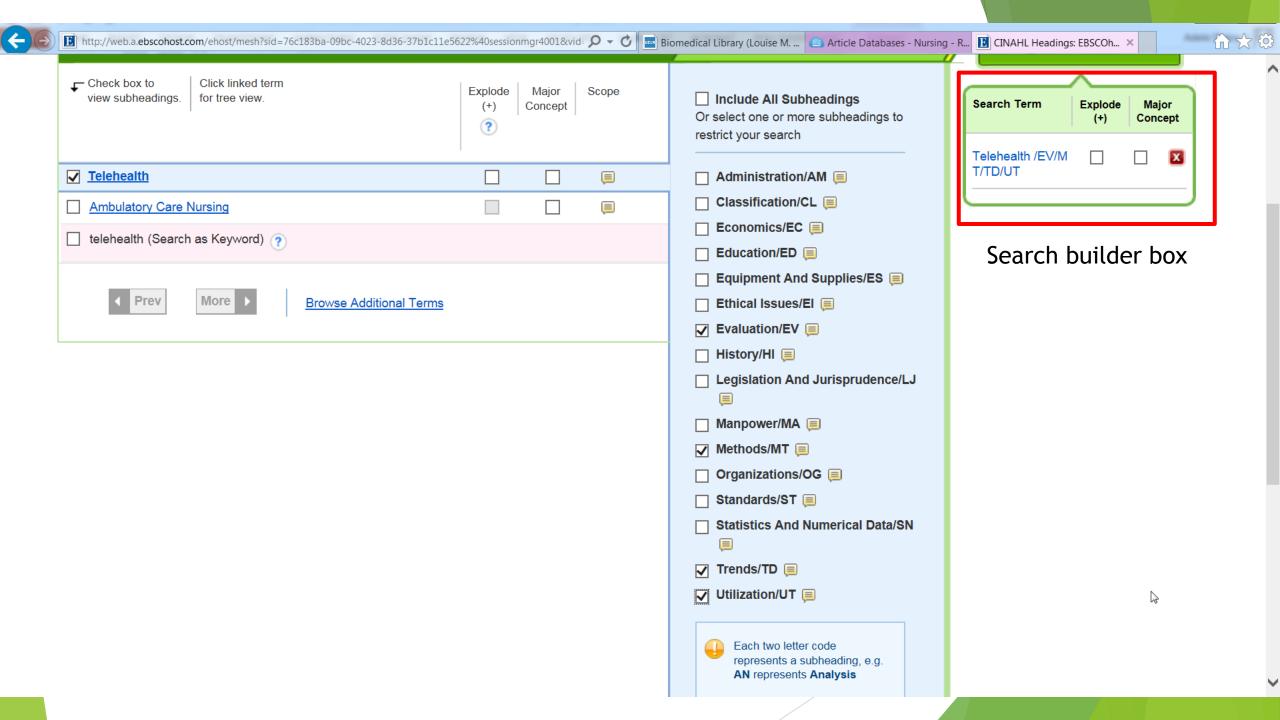
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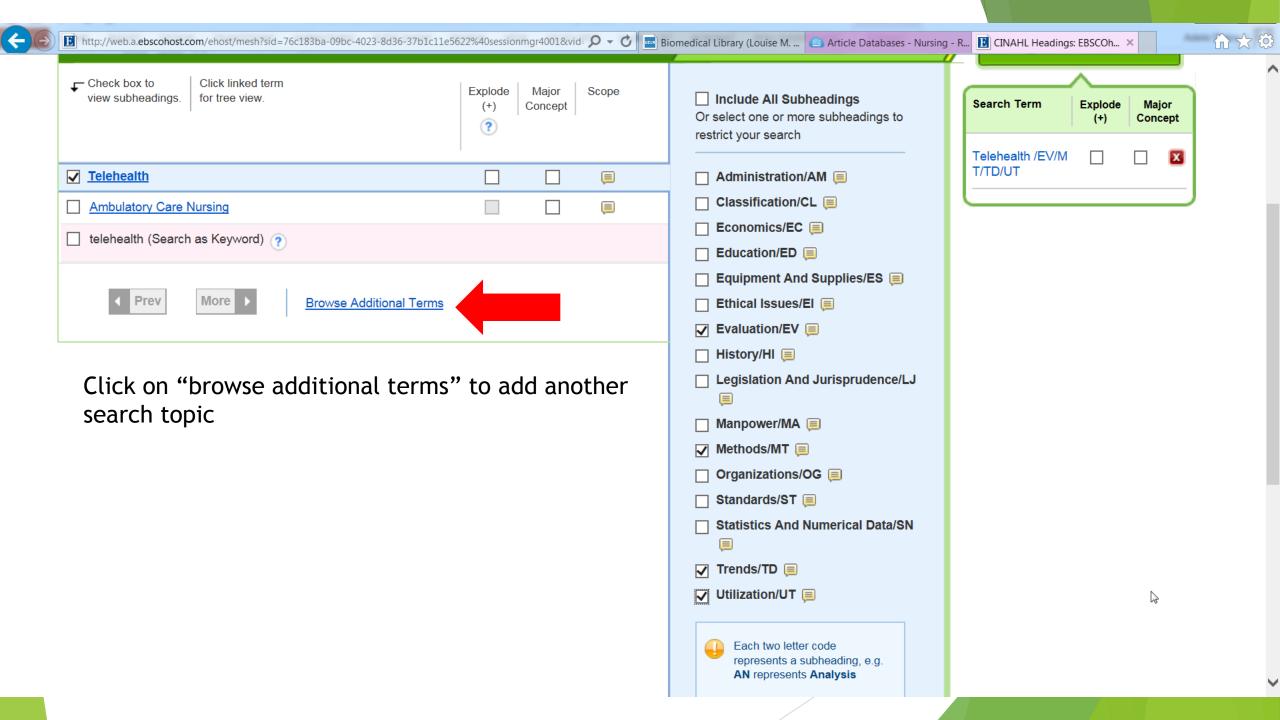


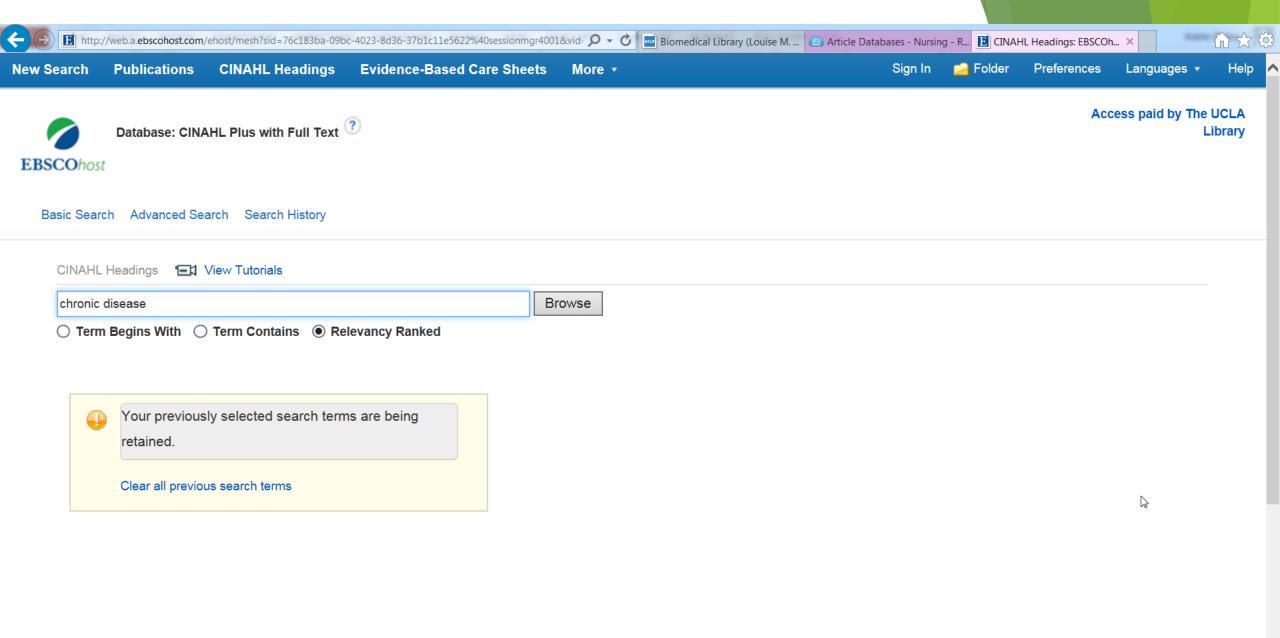


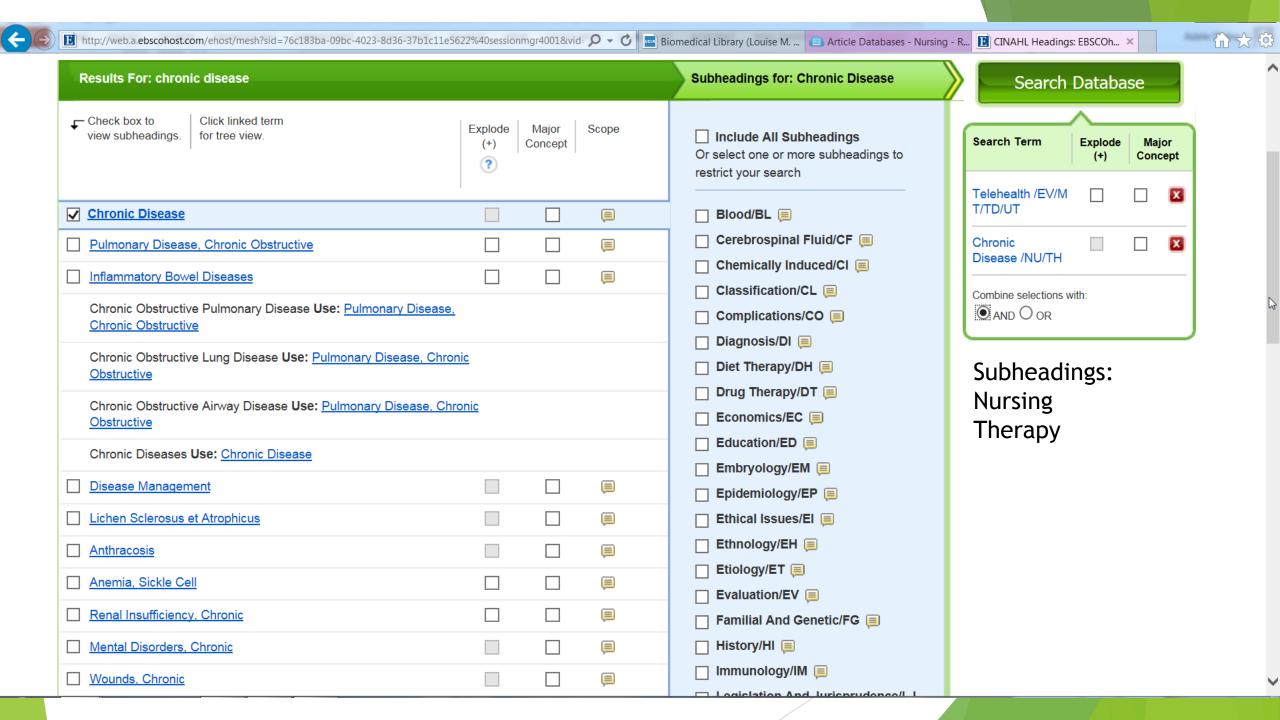
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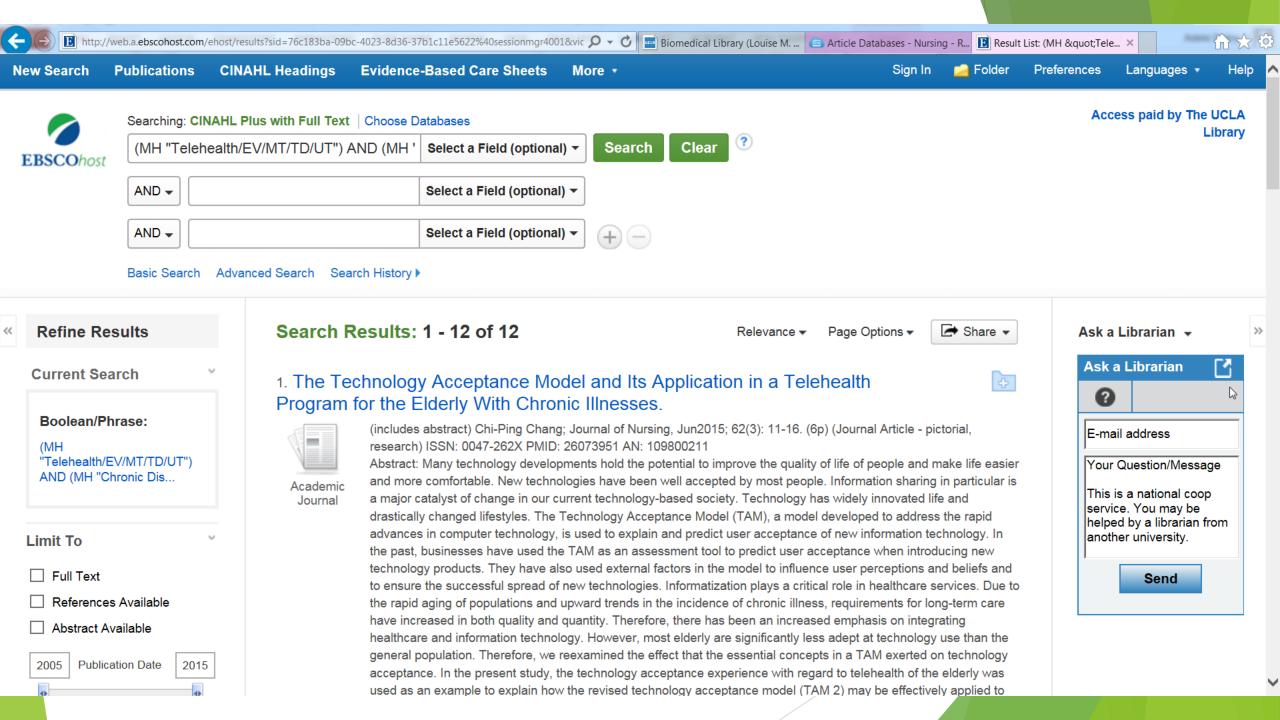
Results For: telehealth Check box to Click linked term Explode Major Scope view subheadings. for tree view. Search Term Explode Major (+) Concept Concept ? Check a box to select a subject heading to begin building your search Telehealth \equiv strategy. **Ambulatory Care Nursing** Ē telehealth (Search as Keyword) ? **√** Prev More **Browse Additional Terms**











PubMed

- Over 25 million citations for biomedical literature
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- ► PubMed is a free resource that is developed and maintained by the National Center for Biotechnology Information (NCBI), at the U.S. National Library of Medicine (NLM), located at the National Institutes of Health (NIH).

http://pubmed.gov





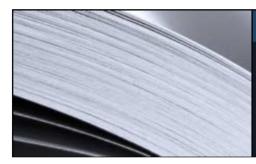
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Further reading: @KennethWWitwer links to related discussions on health considerations of RNAi in agriculture.

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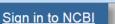
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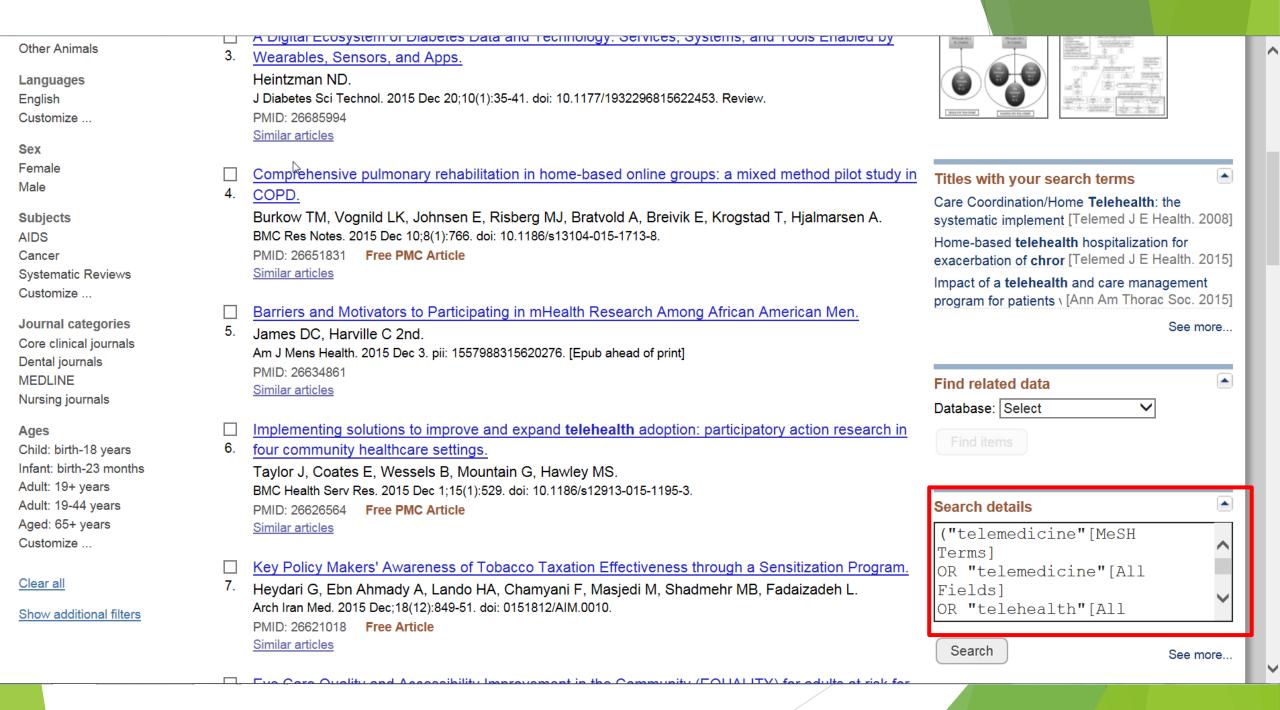
Clinical Trials

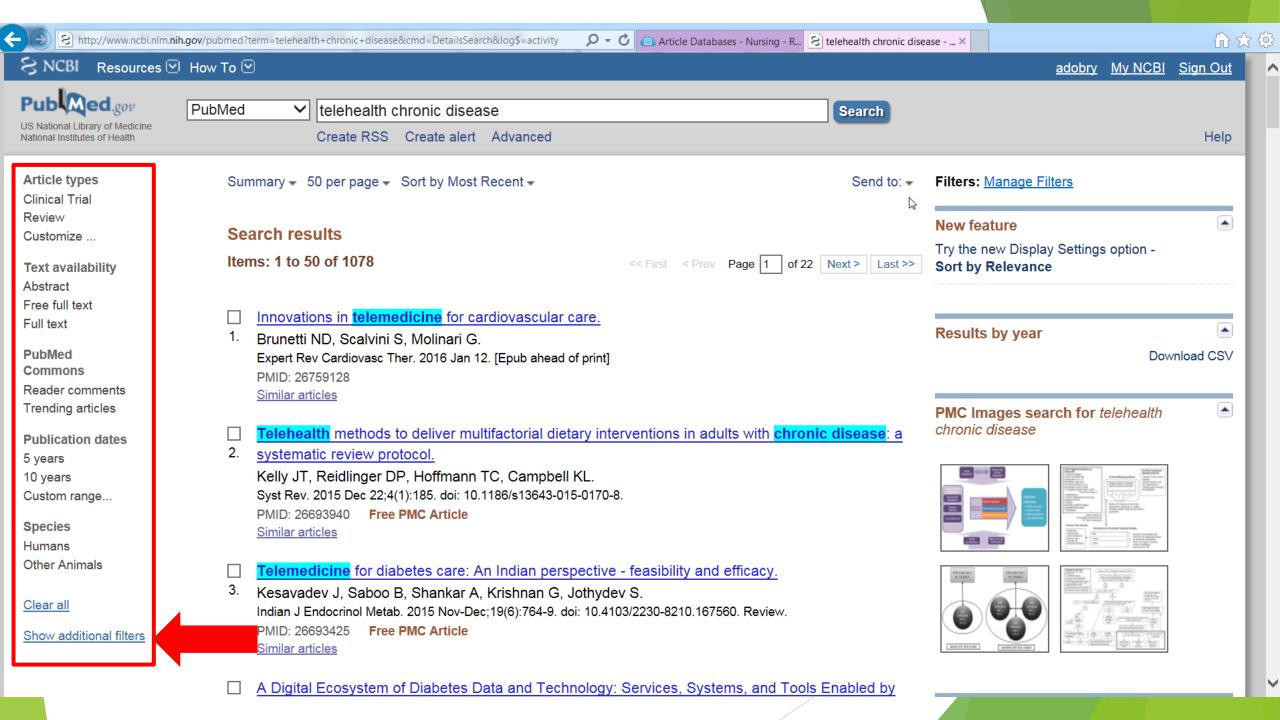
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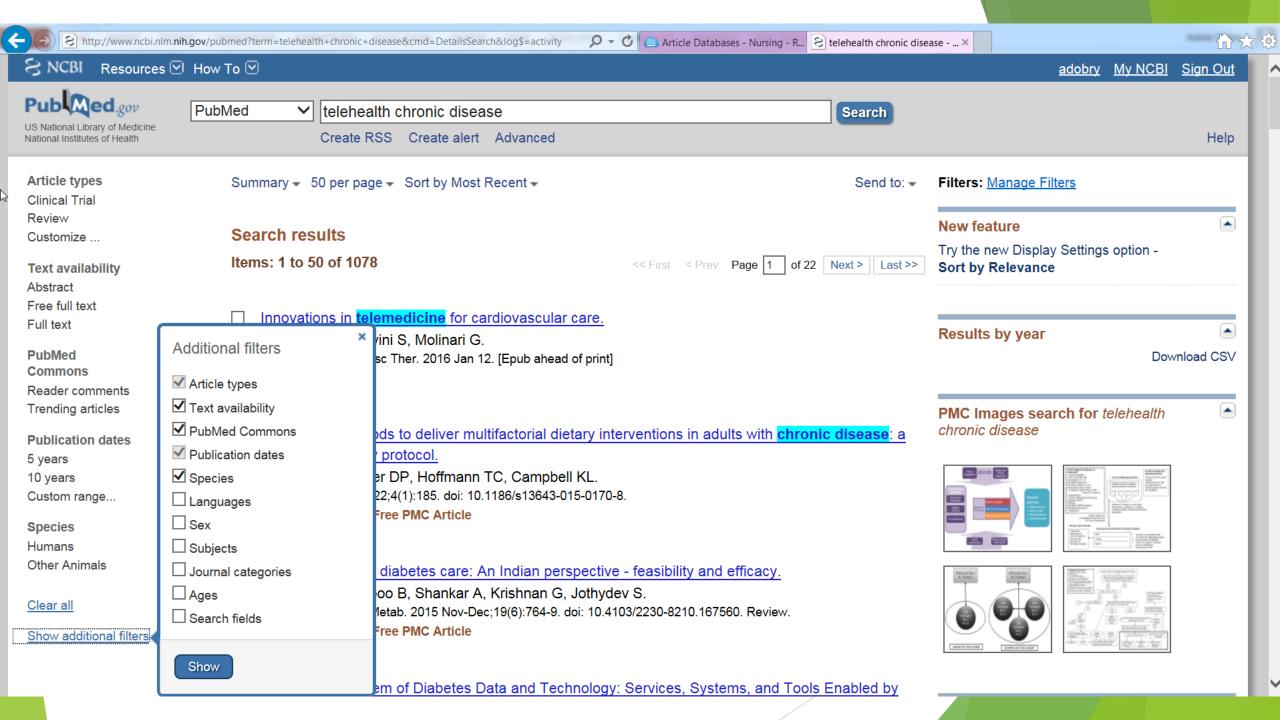
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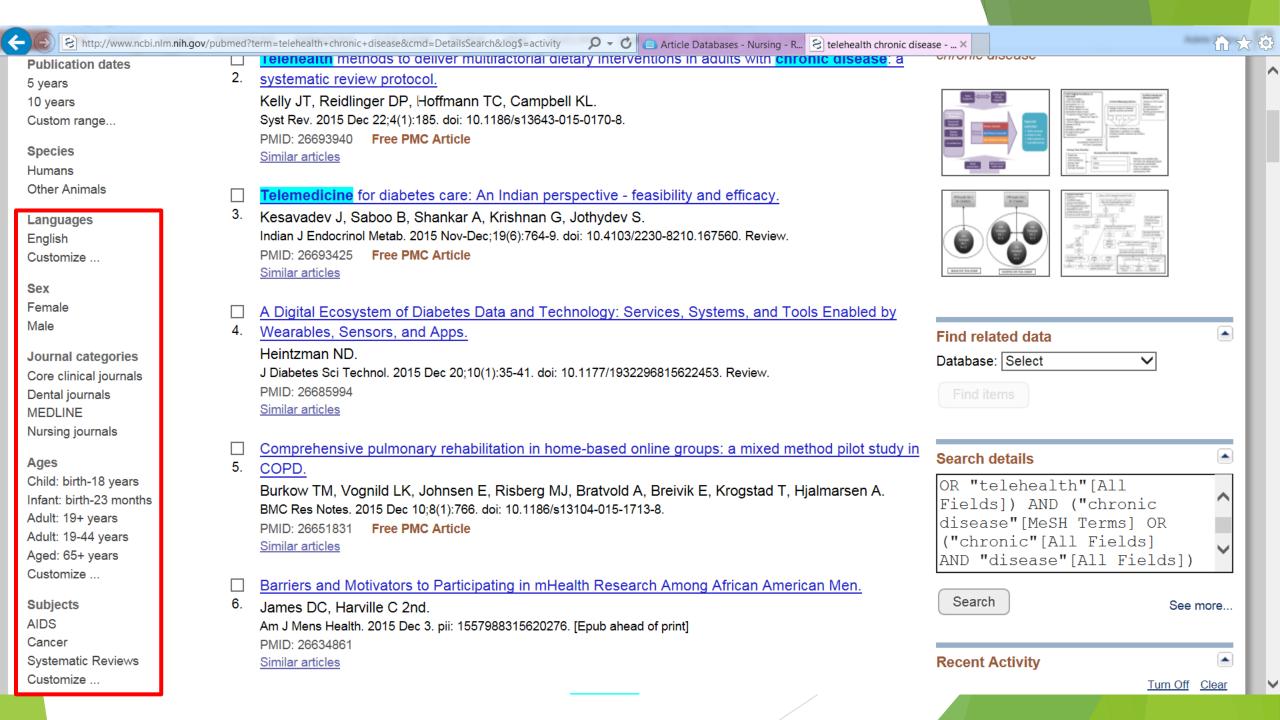
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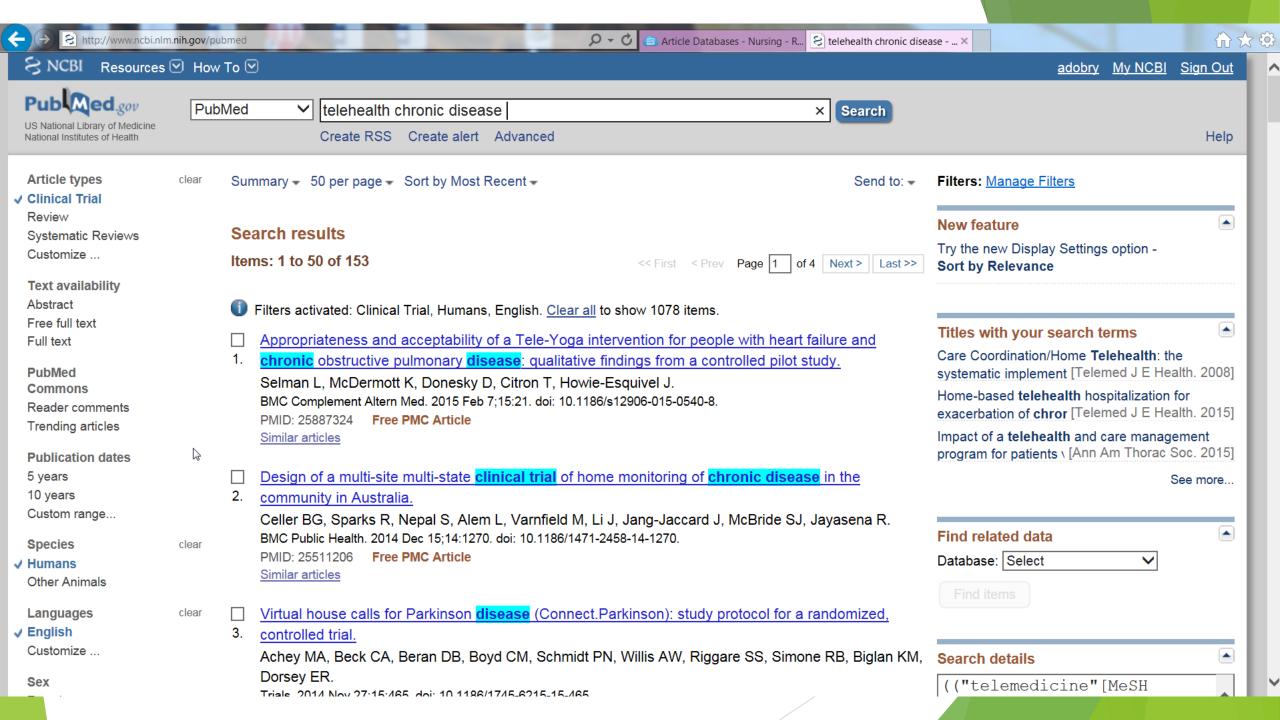
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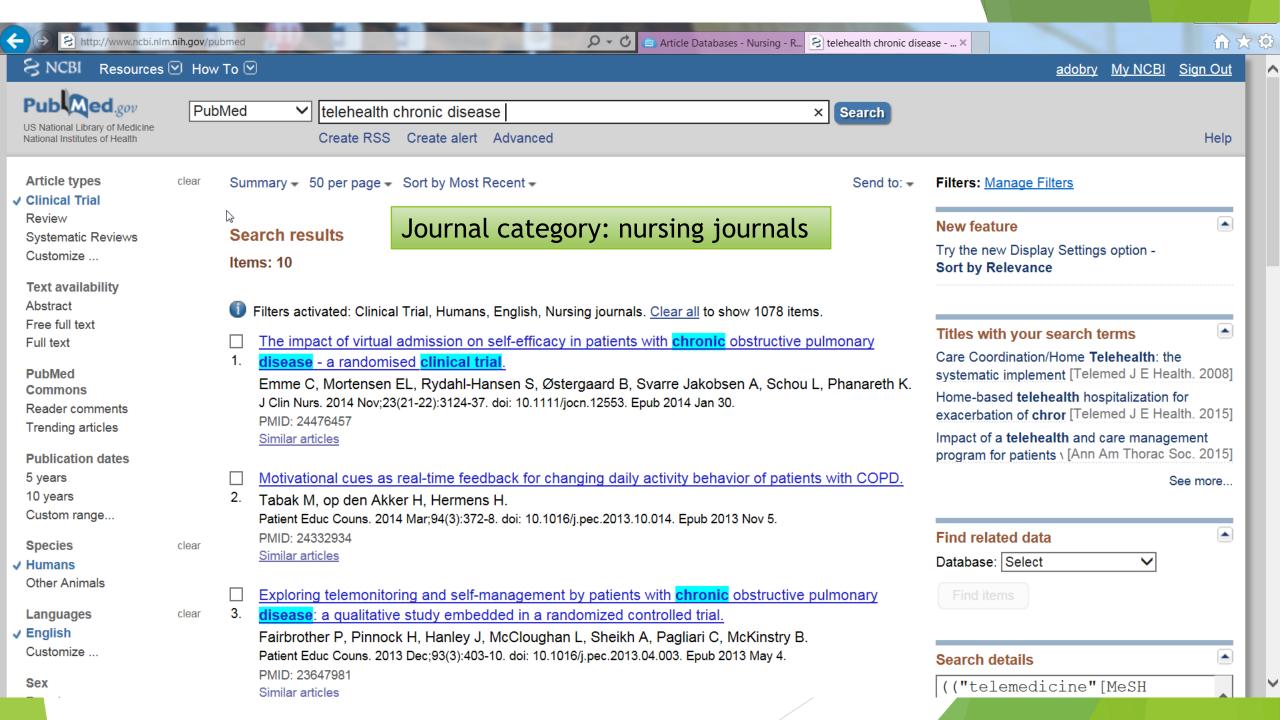


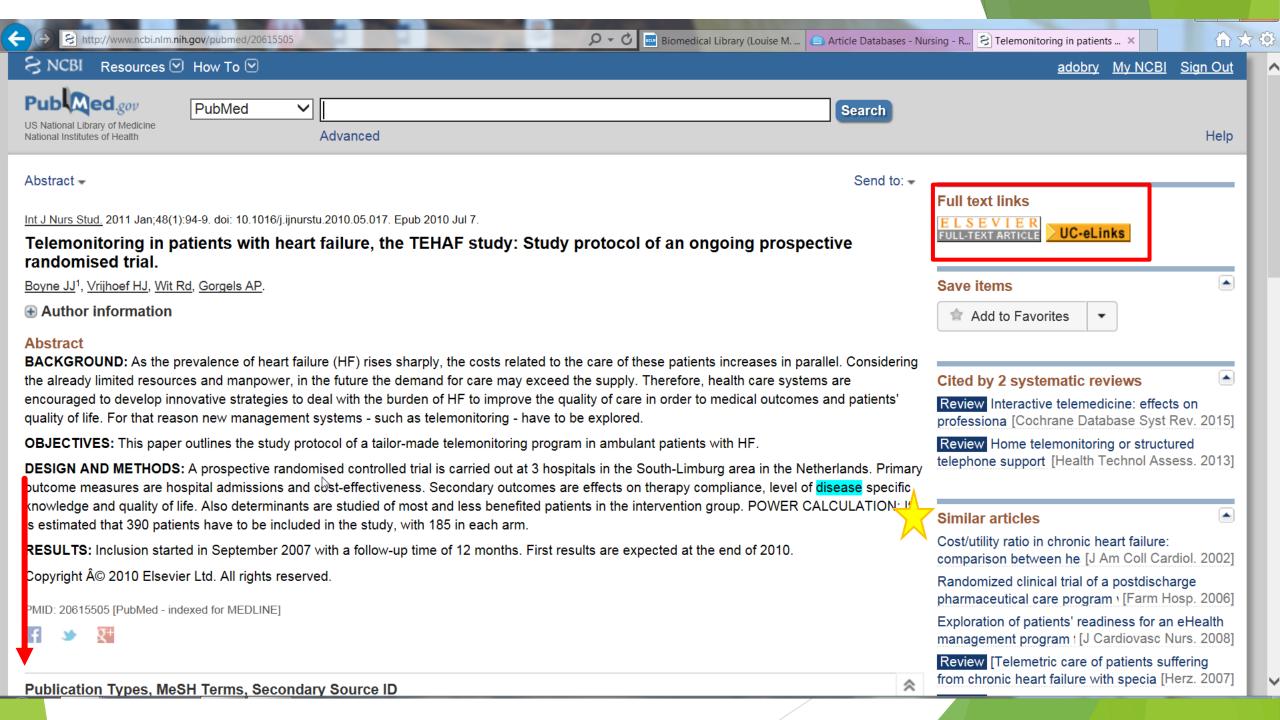


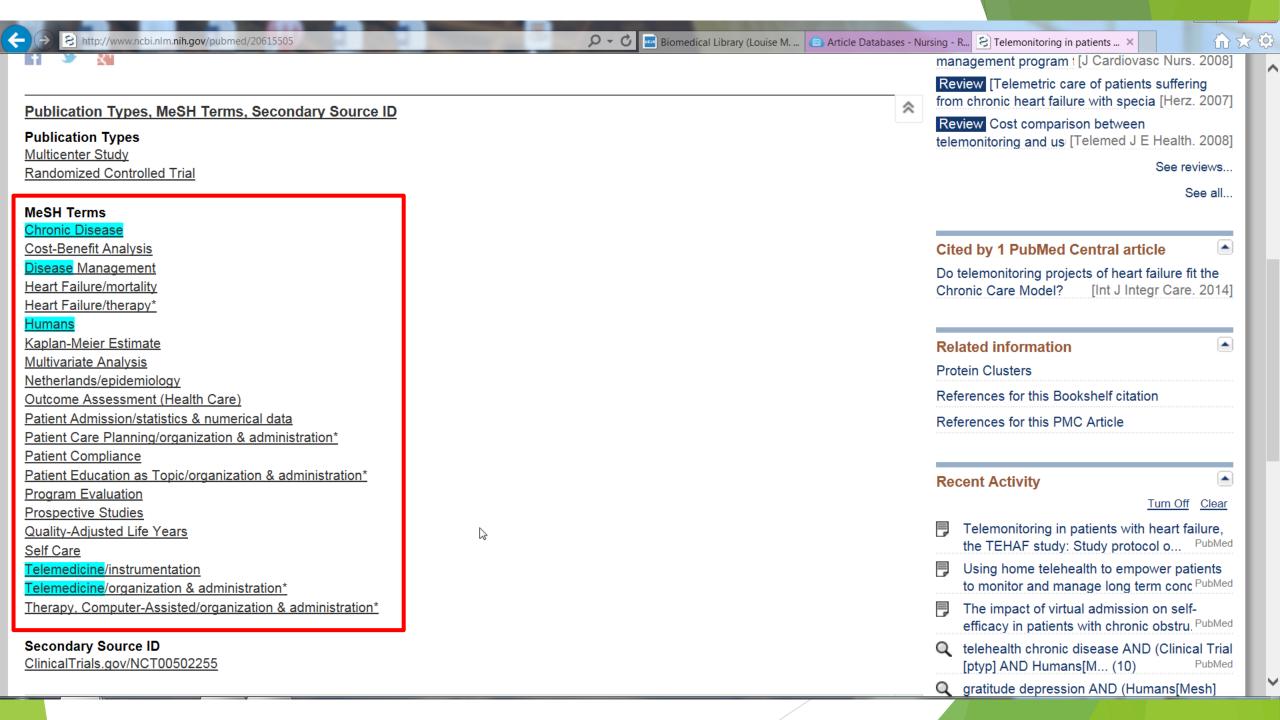














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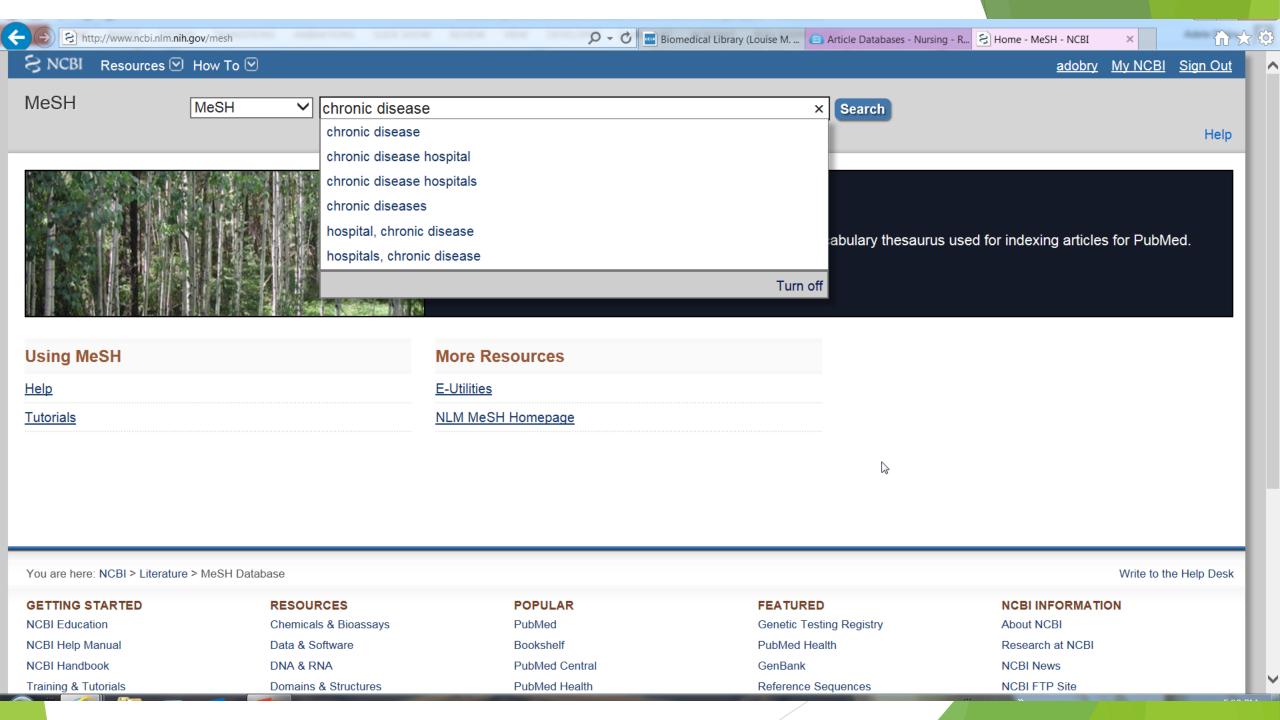
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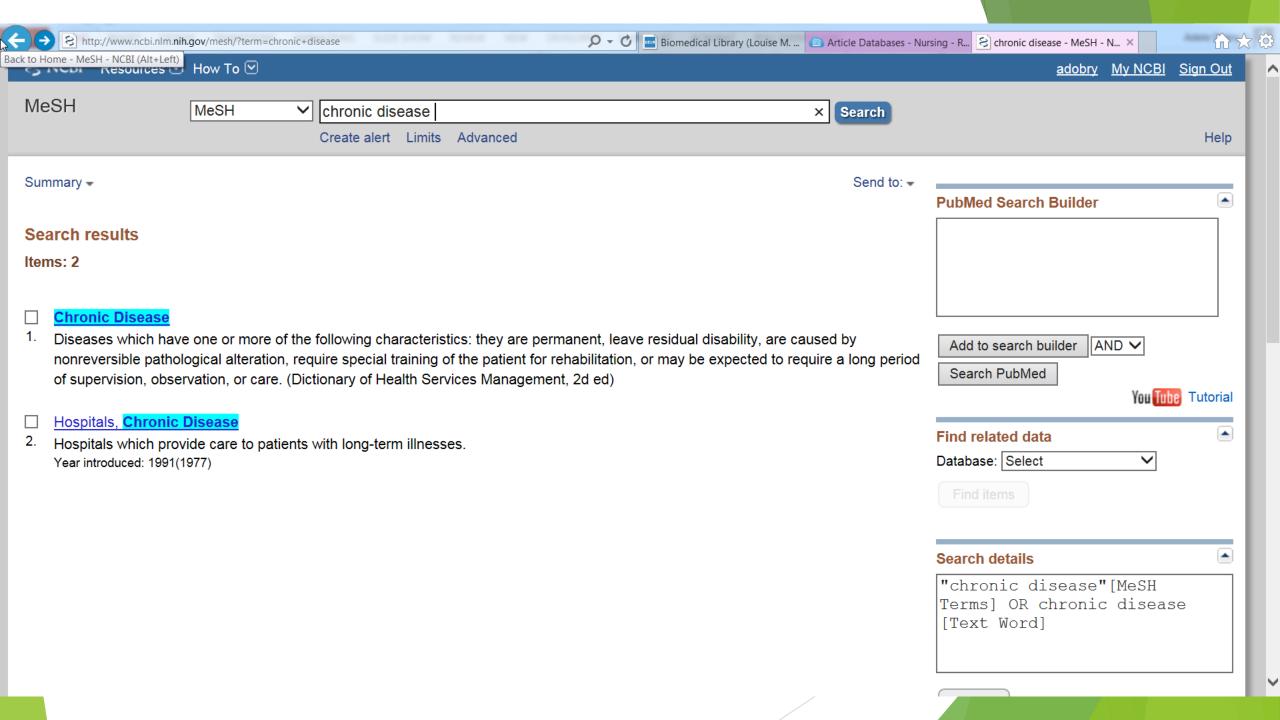
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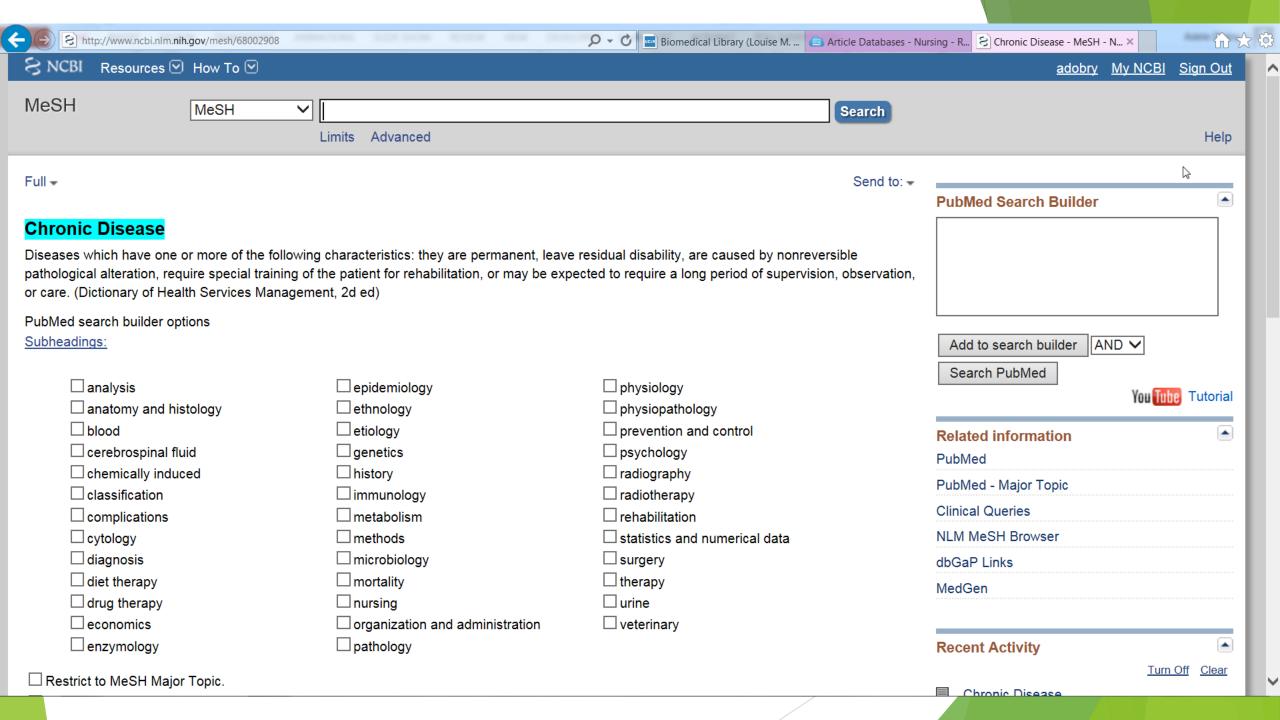
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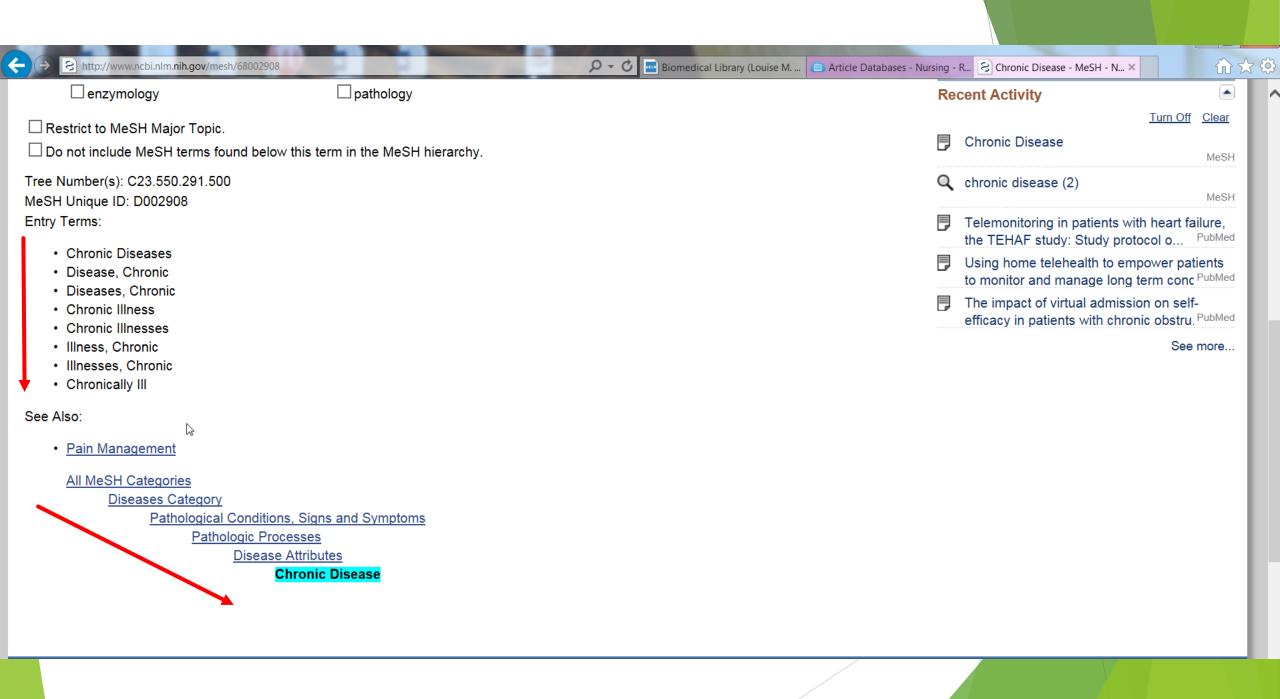
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MeSH

Chronic Disease

Diseases which have one or more of the following characteristics: they are permanent, leave residual disability, are caused by nonreversible pathological alteration, require special training of the patient for rehabilitation, or may be expected to require a long period of supervision, observation, or care. (Dictionary of Health Services Management, 2d ed)

PubMed search builder options

Subheadings:

Full +

☐ analysis	☐ epidemiology	physiology
\square anatomy and histology	\square ethnology	\square physiopathology
blood	etiology	✓ prevention and control
☐ cerebrospinal fluid	genetics	✓ psychology
\square chemically induced	☐ history	\square radiography
classification	\square immunology	\square radiotherapy
☐ complications	☐ metabolism	✓ rehabilitation
☐ cytology	☐ methods	\square statistics and numerical data
diagnosis	☐ microbiology	\square surgery
☐ diet therapy	☐ mortality	✓ therapy
\square drug therapy	✓ nursing	☐ urine
economics	✓ organization and administration	\square veterinary
\square enzymology	\square pathology	
☐ Restrict to MeSH Major Topic.		
\square Do not include MeSH terms found below thi	s term in the MeSH hierarchy.	
Tree Number(s): C23.550.291.500		



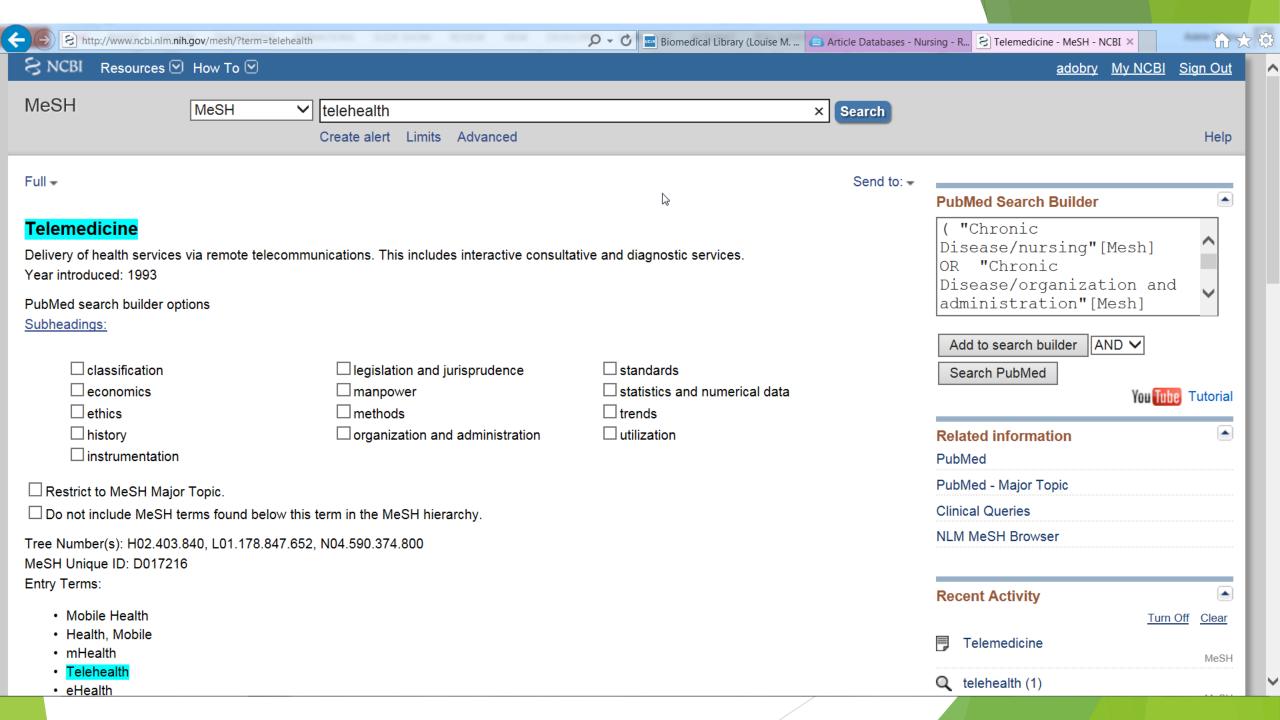
PubMed			
PubMed - Major Topic			
Clinical Queries			
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Related information





MeSH Unique ID: D002908



All MeSH Categories

Disciplines and Occupations Category

Health Occupations

Medicine

Telemedicine

Telepathology

Teleradiology

Telerehabilitation

All MeSH Categories

Information Science Category

Information Science

Communications Media

Telecommunications

Telemedicine

Remote Consultation

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Teleradiology

Telerehabilitation

All MeSH Categories

Health Care Category

Health Services Administration

Patient Care Management

Delivery of Health Care

Telemedicine

Remote Consultation

Telepathology

Teleradiology

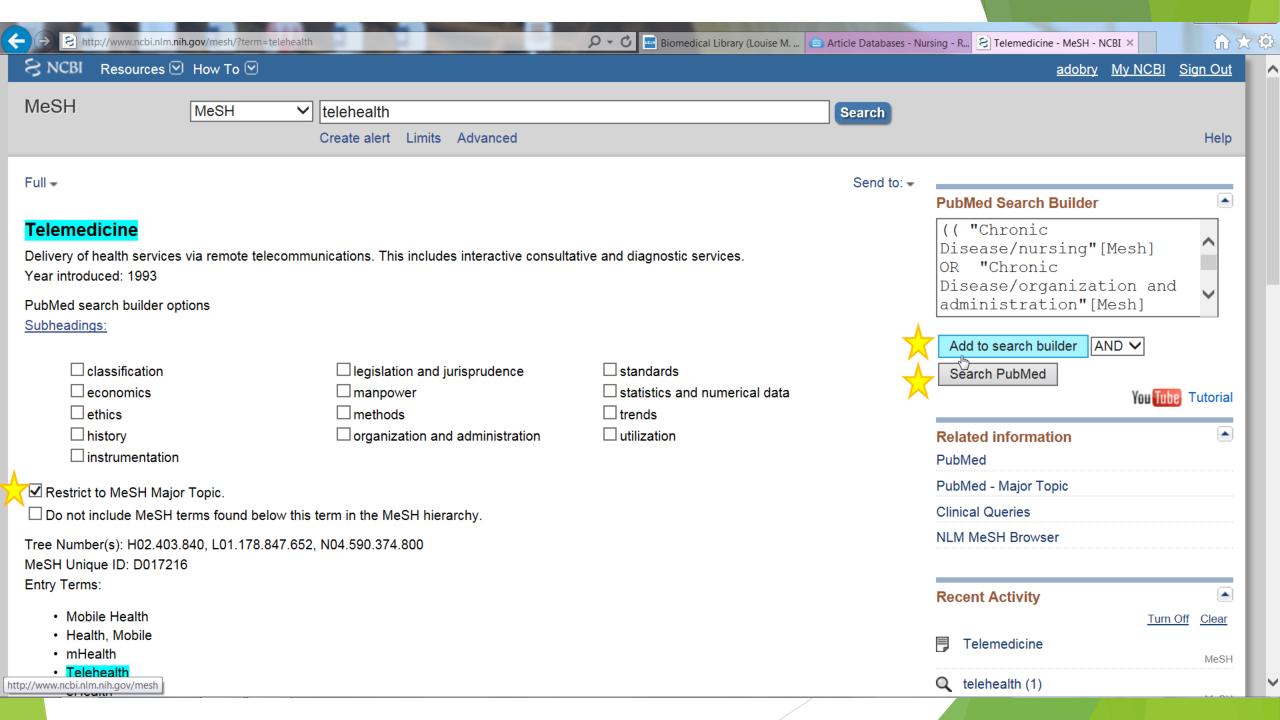
Telerehabilitation

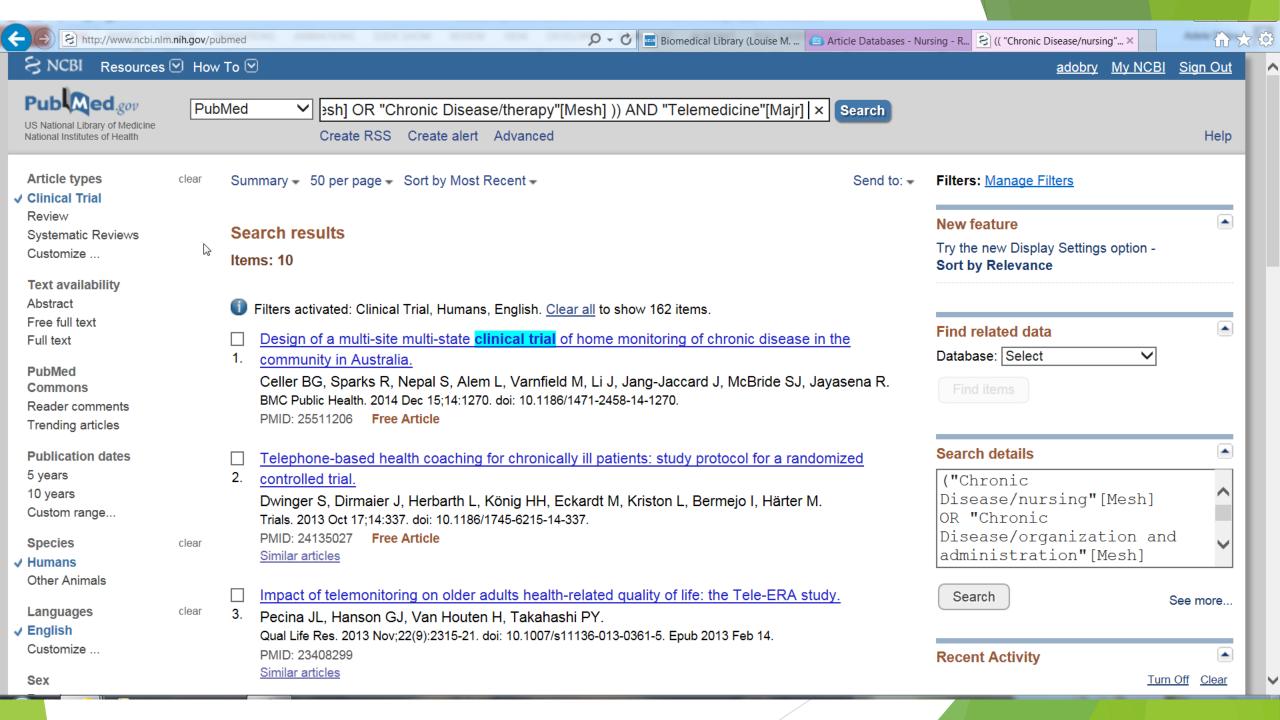
See more...

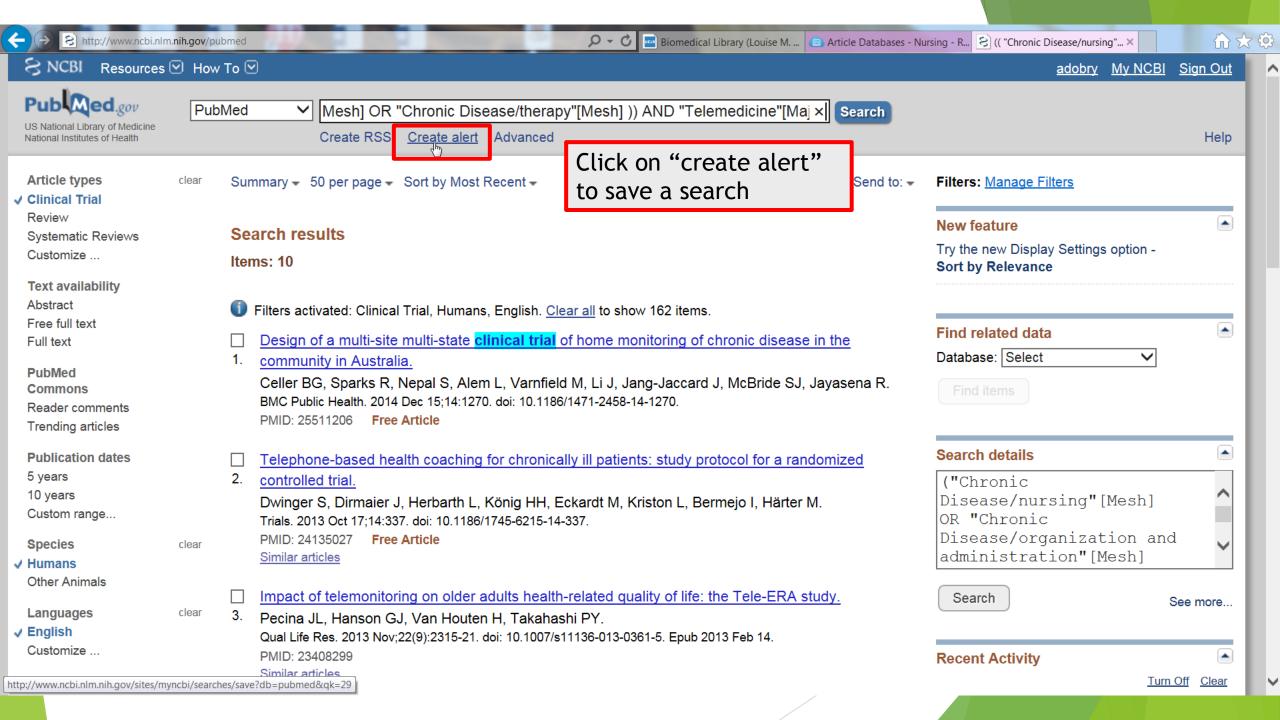
"telemedicine"[MeSH Terms] OR telehealth [Text Word]

Search

See more...





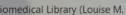


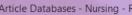
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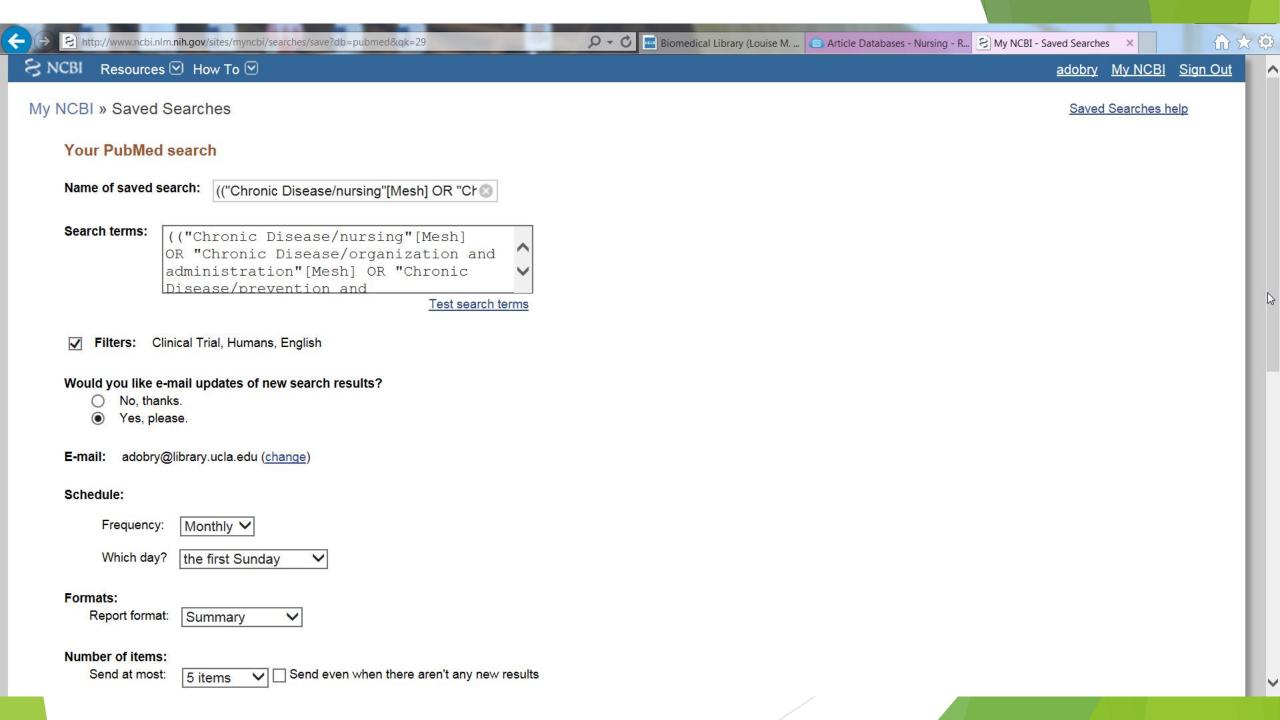
Documentation for using these features is located in the Managing Compliance to the NIH Public Access Policy section of the NCBI Help Manual.

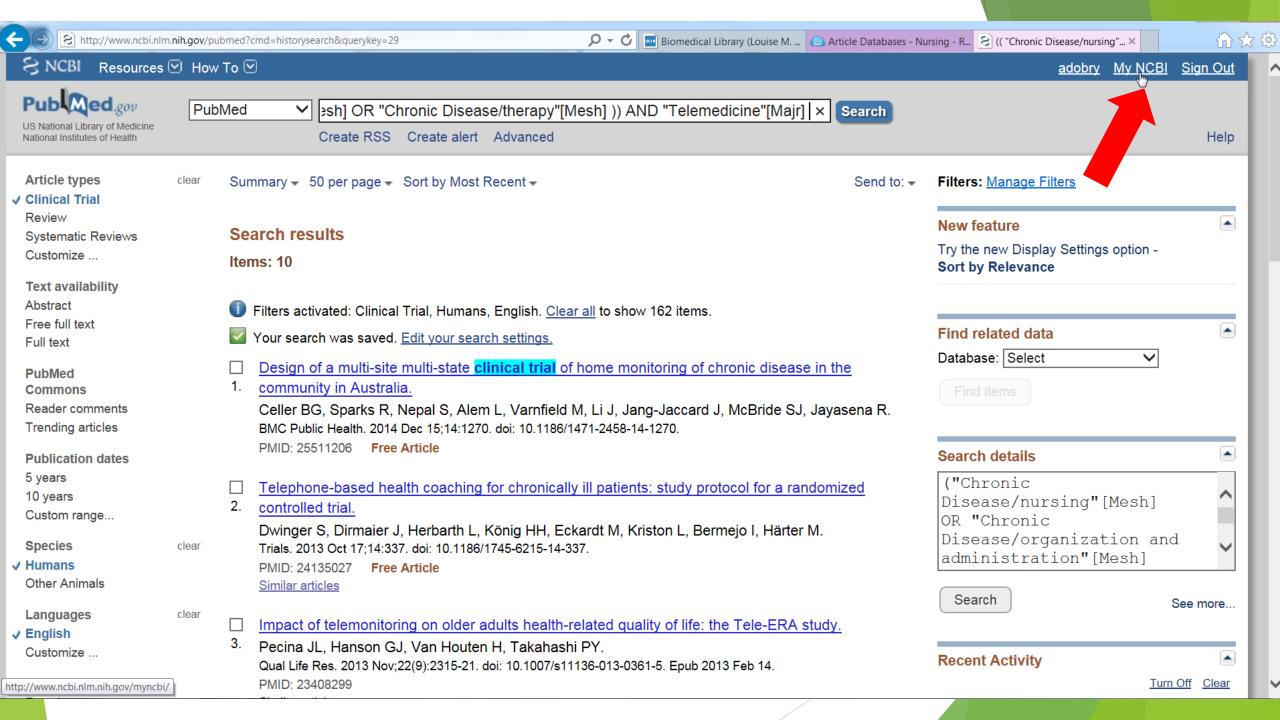
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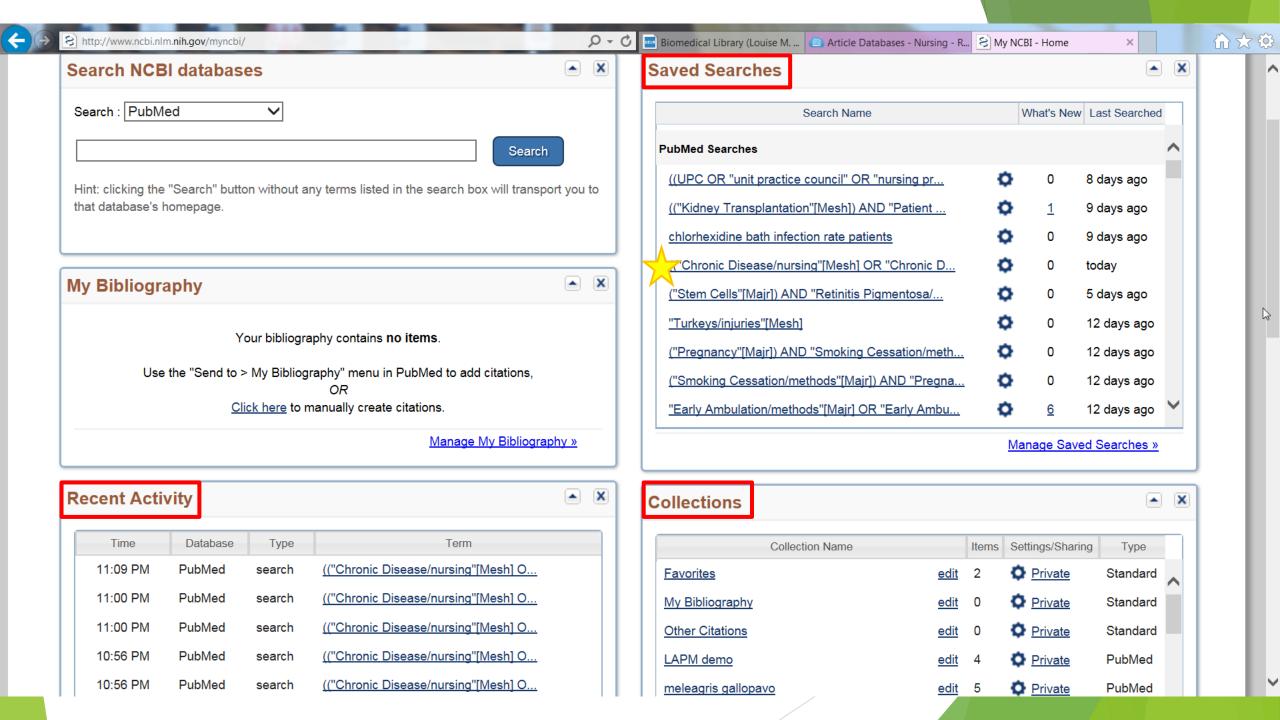
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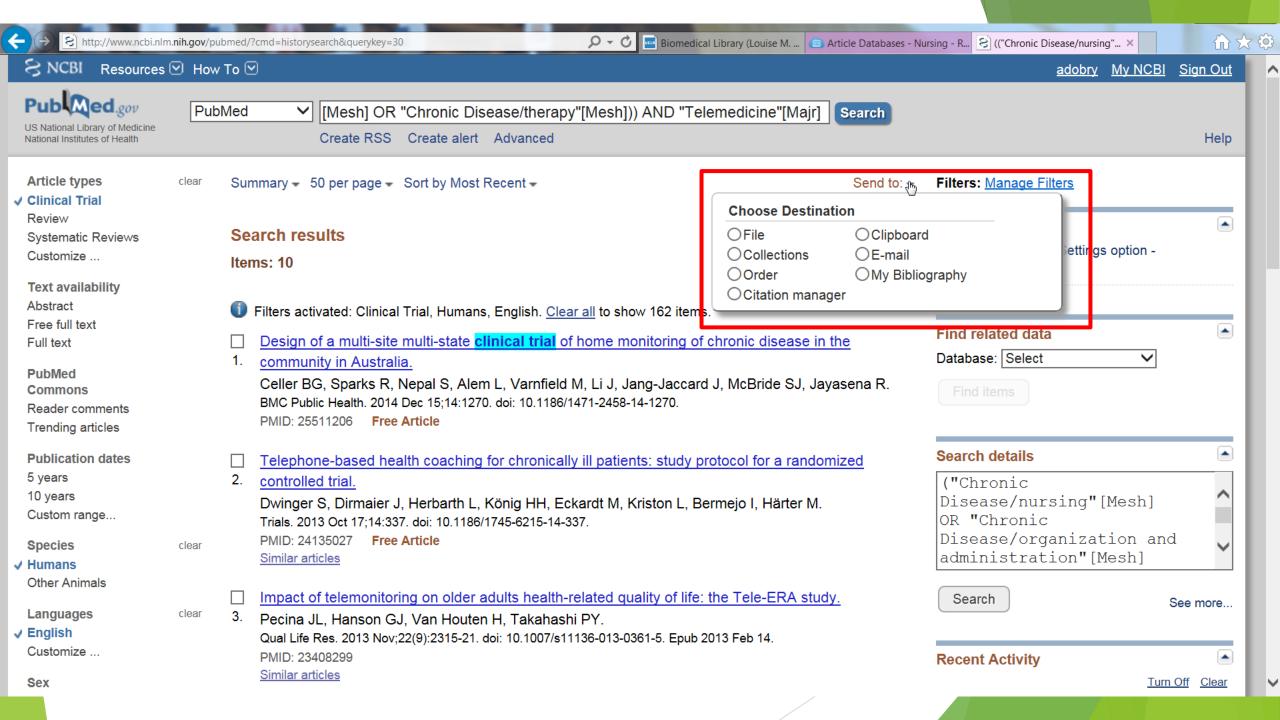
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Now you know how to:

- ► Grade articles according to levels of evidence
- Build a search strategy
- Effectively search CINAHL and PubMed

Thank you!

Please feel free to contact me with questions at: adobry@library.ucla.edu

- Check out the UCLA Library Nursing Research Guide at:
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