Systematic Searches and Documentation

Christiane Voisin, M.S.L.S. Cecil G. Sheps Center for Health Services Research Librarian for the RTI-UNC Evidence-based Practice Center

Contents 📮

- Systematic Search definition
- * Librarians help you search
- * Building your search/PICOTS Framework
- * Choosing resources to search
- * Adding limits to the search
- Example searches in PubMed, HSRProj, and ClinicalTrials.gov
- Reference Management programs
- * PRISMA diagrams
- * Documenting your searches so they can be repeated
- Additional resources

What is a Systematic Search?

Definition from The Cochrane Collaboration: A review of a clearly formulated question that uses systematic and explicit methods to identify, select, and critically appraise relevant research, and to collect and analyze data from the studies that are included in the review.

Key characteristics of a systematic review are:

- a clearly stated set of objectives with pre-defined eligibility criteria for studies;
- * an explicit, reproducible methodology;
- * a systematic search that attempts to identify all studies that would meet the eligibility criteria;
- * an assessment of the validity of the findings of the included studies, for example through the assessment of risk of bias; and
- a systematic presentation, and synthesis, of the characteristics and findings of the included studies.

*Higgins, Julian. Cochrane Handbook for Systematic Reviews of Interventions. Hoboken, NJ, USA: John Wiley & Sons, 2009. ProQuest ebrary. Web. 7 October 2014.

Librarian's Role

F

- * Planning your searches
 - * What question(s) are you trying to answer?
 - * Which search terms will be used?
 - How will you combine the terms? (Boolean searching)
 - * How will you organize search results?
 - * What will be included and excluded (criteria)
 - * Are your search methods replicable?

Where do I start? Building your search

Ę

- Be sure your topic isn't already covered by a recent review
- Select database
- Find controlled vocabulary (such as Medical Subject Headings, or MeSH) for each concept
- Include keywords alternates to controlled vocabulary
- Include unique text words or phrases for concepts not included in controlled vocabulary
- Consider listing terms alphabetically in your search statements if numerous to keep track of them

PICOTS Framework

Ę

- Decide which terms to search based on the "PICOTS" framework (Population, Intervention, Comparison, Outcome, Timing, Setting)
 - This sets parameters for your Inclusion and Exclusion criteria
- Many academic libraries offer in-depth Systematic Review classes, or work with a subject librarian (and ask questions):
 - Your health/medical library at your institution
 - Librarians specializing in your topic. Is your topic:
 - Health Services Research?
 - Public Health?
 - Medicine?
 - Nursing?
 - Public Policy?
- Decide which databases to search
- Consider searching for gray literature (unpublished and not controlled commercially)





Comparative Effectiveness Review Number 134

Pharmacotherapy for Adults With Alcohol-Use Disorders in Outpatient Settings

Available: https://effectivehealthcare.ahrq.gov/topics/alcohol-misusedrug-therapy/research

PICOTS: drug therapy for alcohol misuse topic

F

P <u>P</u> atient Population	l Intervention	C <u>C</u> omparator	O <u>O</u> utcomes	T <u>T</u> iming	S <u>S</u> etting
Adults (age 18 years or older) with alcohol-use disorders	Medications approved by FDA for treating alcohol dependence (acamprosate, disulfiram, naltrexone) and specific list of medications which have been used off- label or are under investigation.	KQ1-5: Studies must compare medication listed in I with placebo or another medication KQ6: Studies must compare people with a genotype or allele with people with different genotypes or alleles.	Include: Specific consumption outcomes (return to drinking, drinks per day, etc.) Adverse effects of interventions (nausea/vomiti ng, anorexia, insomnia, etc.)	At least 12 weeks of follow-up from the time of medication initiation.	Outpatient health care (non- laboratory) settings. KQ4 applies to primary care settings only.

Key Questions

Ę

KQ 1a: Which medications are efficacious for improving consumption outcomes for adults with AUDs* in outpatient settings?

KQ 1b: How do medications for adults with AUDs compare for improving consumption outcomes in outpatient settings?

KQ 2a: Which medications are efficacious for improving health outcomes for adults with AUDs in outpatient settings?

KQ 2b: How do medications for adults with AUDs compare for improving health outcomes in outpatient settings?

KQ3a: What adverse effects are associated with medications for adults with AUDs in outpatient settings? KQ 3b: How do medications for adults with AUDs compare for adverse effects in outpatient settings? KQ 4: Are medications for treating adults with AUDs effective in primary care settings?

KQ 5: Are any of the medications more or less effective than other medications for men or women, older adults, young adults, racial or ethnic minorities, smokers, or those with co-occurring disorders?

KQ 6: Are any of the medications more or less effective for adults with specific genotypes (e.g., related to polymorphisms of the mu-opioid receptor gene [OPRM1])?

*AUDs = Alcohol Use Disorders

PICOT diagram for Mental Health Diagnosis/Suicide

	P <u>P</u> atient Population	l <u>I</u> nterventio n	C <u>C</u> omparato r	O <u>O</u> utcomes	T <u>T</u> iming
Broad	MH/SUD population	-	-	Suicide	-
Narrow	MH/SUD population	-	-	Suicide	-
Even Narrower	MDD and Medicaid	-	-	Suicide	-

Choosing Literature Databases and Other Sources to Search

Minimum database searches for **published** literature:

- Medline (some libraries offer via OVID, or free PubMed access)
- The Cochrane Library (contains a database of Cochrane Collaboration reviews and other systematic reviews!)
- Embase IF:
 - literature is scarce for your question(s)
 - your topic is clinical or pharmacotherapy
 - you will include international literature
 - you will include conference papers
 - client/funding source requires it

- Others as appropriate: social science, nursing, psychology/psychiatry, pharmaceutical, education, policy, or other subject databases as appropriate (check with a librarian!)

HSRProj, for projects in progress





Last updated: 31 January 2017 First published: 21 April 2004

Ę



National Information Center on Health Services Research and Health Care Technology (NICHSR)

NICHSR Home | About Us | Contact Us

Home > Health Services Research & Public Health > NICHSR > HSRProj > Back

HSRProj

Search

Browse Latest Projects

Browse Supporting Agencies

About HSRProj

FAQs

Search Tips

What's New

Brochure

Submit a Project

HSRProj Partners

AcademyHealth Sheps Center, UNC-CH

Other NLM Resources

Clinical Trials HSR Information Central HSRR NICHSR PHPartners.org PubMed

HSRProj (Health Services Research Projects in Progress)

Information about all health services research and public health projects

Enter one or more term(s) to search. Enter a multi-word term or phrase in quotes.

Examples: asthma; "long term care"



Example searches in PubMed, HSRProj, and ClinicalTrials.gov

Is there an association between **mental health disorder** diagnoses and the **outcome of suicide** among **Medicaid** enrollees?

Search	PubMed Query	ltems found
<u>#1</u>	Search ("Suicide"[Mesh] OR "Suicide, Attempted"[Mesh] OR suicid*)	<u>90825</u>
<u>#2</u>	Search ("Mental Disorders"[Mesh] OR "mental disorders")	<u>1195977</u>
<u>#3</u>	Search (#1 and #2)	<u>30061</u>
<u>#4</u>	Search ("Medicaid"[Mesh] OR "Centers for Medicare and Medicaid Services (U.S.)"[Mesh] OR Medicaid*)	<u>45966</u>
<u>#5</u>	Search (#3 and #4)	<u>57</u>



All Fields	¥	(mesh:(suicide)) OR (mesh:(suicide, attempted)) OR suicid*	٥	
AND All Fields	V	(mesh:(mental disorders)) OR "mental disorders"	٥	
AND • All Fields	¥	(mesh:(Medicaid)) OR (mesh:(Centers for Medicare and Medicaid Services (U.S.))) OR M	٥	
AND • All Fields	T		٥	0



Suicide among veterans: Using the VA (Archived Project)	A depression registry to inform care
Investigator (PI):	Valenstein, Marcia T
Performing Organization (PO):	(Current): VA Ann Arbor Healthcare System / (734) 769-7100
Supporting Agency (SA):	Department of Veterans Affairs (VA)
Initial Year:	2005
Final Year:	2008
Record Source/Award ID:	VA/IIR 04-211
Award Type:	Intramural
Abstract:	Research Objectives: Suicide is a devastating event that occurs most often in the context of a depressive disorder. Reducing suicide is a national and a VA priority and may require comprehensive programs that specifically target high-risk groups, such as the more than 500,000 patients who receive VA treatment for depression each year. To develop effective programs that reduce suicide risks in this vulnerable population, VA policymakers and clinicians require basic but currently unavailable information about suicide rates and important risk factors for suicide within this population. The risks associated with gender, age, and race/ethnicity within the depressed VA population are likely to differ from those observed in the general population, and there may be special considerations arising from important co-morbidities, such as PTSD. Policy makers and clinicians also need information about potentially high-risk periods for suicide during the course of depression treatment. Certain time periods, such as those immediately following psychiatric hospitalization, have long been noted to be high-risk periods for suicide. Recently the Food and Drug Administration (FDA) highlighted other potentially high-risk periods, periods that immediately follow new antidepressants starts or changes in antidepressant doses. On October 15, 2004, the FDA mandated "black box" warnings for

S NCBI Resour	ces 🗹 How To 🗹			Sign in to NCBI
Pub Med.gov	PubMed	×	Searc	
US National Library of Medic National Institutes of Health	ne	Advanced		Help



PubMed

PubMed comprises more than 29 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	
Full Text Articles	
PubMed FAQs	
PubMed Tutorials	
New and Noteworthy	

PubMed Tools	More Resources
PubMed Mobile	MeSH Database
Single Citation Matcher	Journals in NCBI Databases
Batch Citation Matcher	Clinical Trials
Clinical Queries	E-Utilities (API)
Topic-Specific Queries	LinkOut

Latest Literature

New articles from highly accessed journals

Trending Articles

PubMed records with recent increases in activity

SNCBI Resources 🕑 How To 🕑





${\mathfrak S}$	NCBI	Resources 🕑	How To 🕑							<u>voisin</u>	<u>My NCBI</u>	<u>Sign Out</u>
Me	eSH		MeSH	 alcohol rela Create alert 	ted Limits	Advanced	d			Se Se	arch	Help
Sur	nmary - arch r	, esults							Send to: -	PubMed Search Bu "Alcohol-Related	ı ilder Disorders	•
Iter	ns: 5	Selected: 1								[Mesh]		11
√ 1.	Alcoh Disoro Year in	ders related D troduced: 1998	isorders or resulting from a	abuse or mis-us	e of alc o	ohol.		F		Add to search builde Search PubMed	r AND ▼ You Tub] • Tutorial
2.	A con cause during subty Year in	dition where se es. Seizures us periods of alc pe, however, S troduced: 2000	<u>I Seizures</u> eizures occur in as ually occur within t cohol intoxication. TATUS EPILEPTIC	sociation with e the first 6-48 ho Single generaliz CUS may occur	thanol a urs after zed tonic . (Adam:	abuse (AL r the cessa c-clonic m s et al., Pr	COHOLISM ation of alco lotor seizure rinciples of I	/I) without ot o hol intake, es are the me Neurology, 6	her identifiable but may occur ost common ith ed, p1174)	Find related data Database: Select Find items		▼
3.	Fetal An um ETHA reliabl centra matern Year in	Alcohol Spec nbrella term us NOL during pr ly includes one al nervous syst nal alcohol co troduced: 2014	trum Disorders ed to describe a pa regnancy. It encom or more of the foll em abnormalities, nsumption does no	attern of disabili passes a pheno lowing: characte cognitive and/o ot necessarily c	ties and otypic ra eristic fa r behavi orrelate	l abnormal ange that c cial dysmo ioral dysfu directly wi	lities that re can vary gre orphism, FE inction, BIR ith disease	sult from feta atly betweer TAL GROW TH DEFECT severity.	al exposure to n individuals, but /TH RETARDATION, ⁻ S. The level of	Search details ("ethanol"[MeSH T "alcohols"[MeSH T alcohol[Text Word related[All Field Search	erms] OR erms] OR]) AND s]	See more

See Also:

- <u>Psychoses</u>, <u>Alcoholic</u>
- <u>Substance-Related Disorders</u>

All MeSH Categories

Diseases Category

Chemically-Induced Disorders

Substance-Related Disorders

Alcohol-Related Disorders

Alcohol-Induced Disorders

Alcohol-Induced Disorders, Nervous System +

Cardiomyopathy, Alcoholic

Fetal Alcohol Spectrum Disorders

Liver Diseases, Alcoholic +

Pancreatitis, Alcoholic

Psychoses, Alcoholic

Alcoholic Intoxication

<u>Alcoholism</u>

Binge Drinking

Wernicke Encephalopathy

All MeSH Categories

Psychiatry and Psychology Category

Mental Disorders

Substance-Related Disorders

Alcohol-Related Disorders

Alcohol Amnestic Disorder Alcoholic Korsakoff Syndrome Alcohol Withdrawal Delirium Alcoholic Intoxication Alcoholism Binge Drinking Psychoses, Alcoholic Wernicke Encephalopathy

S NCBI Resources ⊙ How To ⊙

Pub Med.gov	PubMed Alcohol-Related Disorders"[Mesh]	Search	
JS National Library of Medicine National Institutes of Health	Create RSS Create alert Advanced		Help
Article types	Format: Summary - Sort by: Most Recent - Per page: 200 - Send to -	Filter your results:	
Clinical Trial		All (110081)	
Guideline Review	Search results	English & Humans (80598)	
Customize	Items: 1 to 200 of 110081 << First < Prev Page 1 of 551 Next > Last >>	Outcomes Assessment/Broad	
Text availability		<u>(39547</u>)	
Abstract Free full text	[Chronic right ventricular failure in a patient with diffuse toxic goiter and alcoholic	<u>Process Assessment/Broad</u> (24644)	
Full text Publication	Shirtladze MR, Timofeeva AA, Shul'pekova YO, Nechaev VM, Baranov SA, Supryaga	<u>Systematic Review Subset</u> (499)	
dates 5 years 10 vears	Kardiologiia. 2019 Jul 24;59(6S):61-64. doi: 10.18087/cardio.2650. Russian. PMID: 31340750	Mana	<u>ge Filters</u>
Custom range	Similar articles	Sort by:	
Species Humans	 <u>Hypothalamic sydrome as an initial presentation of Wernicke encephalopathy: A cas</u> report. 	e <u>Best match</u> Most re	cent
Other Animals	Zhu S. Qiang J. Xia Q. Wang Y. Zhang J. Liu X.		
	Medicine (Baltimore). 2019 Jun;98(26):e16181. doi: 10.1097/MD.000000000016181.	Desults human	
<u>Clear all</u>	PMID: 31261554 Free PMC Article	Results by year	
Show additional filters	Similar articles	a difference of the	
	Alcohol complicates multimorbidity in older adults.		
	 Stewart D, McCambridge J. 	4	
	BMJ. 2019 Jun 27;365:I4304. doi: 10.1136/bmj.I4304. No abstract available.	Dowr	load CSV
	PMID: 31248871 Similar articles	Down	1000 001

PubMed Home More Resources Help PubMed Advanced Search Builder Use the builder below to create your search Edit Clear Builder All Fields All Fields Image: Clear Show index list Image: Clear Search or Add to history	S NCBI Reso	ources 🗹	🕑 How To 🖂												<u>voisin</u>	<u>My N(</u>	<u>CBI</u>	<u>Sign Οι</u>
PubMed Advanced Search Builder Use the builder below to create your search Edit Edit Clear Builder All Fields Or Add to history.	PubMed Home	e Mo	re Resources	▼ Help														
Use the builder below to create your search Edit Clear Builder All Fields All Fields AND All Fields AND All Fields Clear Clear Clear Clear	PubMed Adv	anced	Search Bu	ilder 📮]										You	<mark>Tube</mark> Tu	itoria	al
Edit Builder All Fields AND 、 All Fields Show index list Search or Add to history.		Use the	builder belov	v to create you	ur se	earch)											
Builder All Fields AND All Fields Image: Show index list Search or Add to history.	Ē	<u>Edit</u>														Clear		
All Fields Show index list AND • All Fields • • Show index list Search or Add to history	E	Builder										1						
AND All Fields Search or Add to history.			All Fields	¥								0	<u>Show</u>	<u>index list</u>				
Search or Add to history	[AND 🔻	All Fields	¥								0	Show	<u>ı index list</u>				
History Download history Clear history	(Search History	or <u>Add to h</u>	<u>iistory</u>									Downlo	<u>pad history</u> (Clear hi	istory		
Search Add to builder Query Items found Time		Search	Add to builder						Qu	ery				Items foun	d Tin	ne		
#17 Add Search "Alcohol-Related Disorders" [Mesh] 110081 15:47:15		<u>#17</u>	Add	Search "Alco	hol-F	Relat	ed Dis	orders"	[Mesh]					<u>11008</u>	<u>1</u> 15:4	7:15		
#15 Add Search "Alcoholism"[Mesh] 73443 15:46:52		<u>#15</u>	Add	Search "Alco	holis	sm"[N	Mesh]							<u>7344</u>	<u>3</u> 15:4	6:52		

Builder



History

Search	Add to builder	Query	Items found	Time
<u>#28</u>	Add	Search (((drinking[tiab] OR drinker[tiab] OR drinkers[tiab]) AND alcohol[tiab]))	<u>39502</u>	15:55:31
<u>#27</u>	Add	Search harmful drink*	<u>517</u>	15:55:19
<u>#26</u>	Add	Search harmful alcohol*	<u>597</u>	15:55:11
<u>#25</u>	Add	Search "alcohol consumption"	<u>40107</u>	15:55:04
<u>#24</u>	Add	Search alcohol problem*	<u>4011</u>	15:54:55
<u>#23</u>	Add	Search problem drink*	<u>2849</u>	15:54:45
<u>#22</u>	Add	Search "alcohol abuse"	<u>18306</u>	15:54:34
<u>#21</u>	Add	Search alcohol addiction*	<u>1372</u>	15:54:16
<u>#20</u>	Add	Search "alcohol misuse"	<u>2505</u>	15:53:48
<u>#19</u>	Add	Search alcohol depend*	<u>12132</u>	15:53:42
<u>#18</u>	Add	Search "Alcohol Drinking" [MeSH]	<u>65860</u>	15:53:34
<u>#17</u>	Add	Search "Alcohol-Related Disorders"[Mesh]	<u>110081</u>	15:47:15
<u>#15</u>	Add	Search "Alcoholism"[Mesh]	<u>73443</u>	15:46:52

S NCBI Resour	ces 🗹 How To 🗹		voisin	<u>My NCBI</u>	<u>Sign C</u>
PubMed Home	More Resources 🔻	Help			



Use the builder below to create your search

Edit

Clear

Builder

All Fields

All Fields

All Fields

All Fields

Clear

History

Search	Add to builder	Query	Items found	Time
<u>#29</u>	<u>Add</u>	Search (#15 OR #17 OR #18 OR #19 OR #20 OR #21 OR #22 OR #23 OR #24 OR #25 OR #26 OR #27 OR #28)	<u>193113</u>	15:56:55
<u>#28</u>	Add	Search (((drinking[tiab] OR drinker[tiab] OR drinkers[tiab]) AND alcohol[tiab]))	<u>39502</u>	15:55:31
<u>#27</u>	Add	Search harmful drink*	<u>517</u>	15:55:19
<u>#26</u>	Add	Search harmful alcohol*	<u>597</u>	15:55:11
<u>#25</u>	Add	Search "alcohol consumption"	<u>40107</u>	15:55:04
<u>#24</u>	Add	Search alcohol problem*	<u>4011</u>	15:54:55
<u>#23</u>	Add	Search problem drink*	<u>2849</u>	15:54:45
#22	hhA	Search "alcohol abuse"	18306	15.24.34

S NCBI Resource	ces 🕑 How To 🕑		Sign in to NC
PubMed Home	More Resources 🔻	Help	

You Tube Tutorial



History

Search	Add to builder	Query	Items found	Time
<u>#44</u>	Add	Search ("varenicline"[Supplementary Concept] OR varenicline)	<u>1821</u>	08:45:59
<u>#43</u>	Add	Search ("Valproic Acid"[Mesh] OR Valproate)	<u>18969</u>	08:45:52
<u>#42</u>	Add	Search ("topiramate"[Supplementary Concept] OR topiramate)	<u>4766</u>	08:45:45
<u>#41</u>	Add	Search ("Sertraline"[Mesh] OR Sertraline)	<u>4956</u>	08:45:40
<u>#40</u>	Add	Search ("quetiapine" [Supplementary Concept] OR quetiapine)	<u>4937</u>	08:45:33
<u>#39</u>	Add	Search ("Prazosin"[Mesh] OR Prazosin)	<u>13575</u>	08:45:28
<u>#38</u>	Add	Search ("Paroxetine"[Mesh] OR paroxetine)	<u>6201</u>	08:45:21
<u>#37</u>	Add	Search ("Ondansetron"[Mesh] OR Ondansetron)	<u>4699</u>	08:45:15
<u>#36</u>	Add	Search ("olanzapine" [Supplementary Concept] OR olanzapine)	<u>8894</u>	08:45:09
<u>#35</u>	Add	Search ("nalmefene" [Supplementary Concept] OR nalmefene)	<u>422</u>	08:45:03
<u>#34</u>	Add	Search ("Imipramine"[Mesh] OR Imipramine)	<u>13142</u>	08:44:52
<u>#33</u>	Add	Search ("gabapentin" [Supplementary Concept] OR gabapentin)	<u>6517</u>	08:44:37
<u>#32</u>	Add	Search ("Fluvoxamine"[Mesh] OR Fluvoxamine)	<u>2908</u>	08:44:27
<u>#31</u>	Add	Search ("Fluoxetine"[Mesh] OR Fluoxetine)	<u>13603</u>	08:44:19
<u>#30</u>	Add	Search escitalopram	<u>7362</u>	08:44:10
<u>#29</u>	Add	Search ("Desipramine"[Mesh] OR Desipramine)	<u>7813</u>	08:44:04
<u>#28</u>	Add	Search ("Citalopram"[Mesh] OR citalopram)	<u>6734</u>	08:44:02
<u>#27</u>	Add	Search ("Buspirone"[Mesh] OR Buspirone)	<u>2933</u>	08:43:48

S NCBI Resour	ces 🗹 How To 🗹		Sign in to N
PubMed Home	More Resources 🔻	Help	



(#14 AND #46)			
Edit			<u>Clear</u>
Builder		_	
Recent Query V #14 AND #46 ×	٥	F	
AND V All Fields V	٥	Show index list	
AND ∨ All Fields ✓	0	Show index list	

Search or Add to history

History

Search	Add to builder	Query	Items found	Time
<u>#46</u>	Add	Search (#15 or #16 or #17 or #18 or #19 or #20 or #21 or #22 or #23 or #24 or #25 or #26 or #27 or #28 or #29 or #30 or #31 or #32 or #33 or #34 or #35 or #36 or #37 or #38 or #39 or #40 or #41 or #42 or #43 or #44 or #45)	<u>134601</u>	08:48:37
<u>#45</u>	Add	Search ("Viloxazine"[Mesh] OR Viloxazine)	<u>328</u>	08:48:15
<u>#44</u>	Add	Search ("varenicline"[Supplementary Concept] OR varenicline)	<u>1821</u>	08:45:59
<u>#43</u>	Add	Search ("Valproic Acid"[Mesh] OR Valproate)	<u>18969</u>	08:45:52
<u>#42</u>	Add	Search ("topiramate"[Supplementary Concept] OR topiramate)	<u>4766</u>	08:45:45
<u>#41</u>	Add	Search ("Sertraline"[Mesh] OR Sertraline)	<u>4956</u>	08:45:40
<u>#40</u>	Add	Search ("quetiapine" [Supplementary Concept] OR quetiapine)	<u>4937</u>	08:45:33
<u>#39</u>	Add	Search ("Prazosin"[Mesh] OR Prazosin)	<u>13575</u>	08:45:28
<u>#38</u>	Add	Search ("Paroxetine"[Mesh] OR paroxetine)	<u>6201</u>	08:45:21
<u>#37</u>	Add	Search ("Ondansetron"[Mesh] OR Ondansetron)	<u>4699</u>	08:45:15
#36	٨dd	Search ("olanzanina" [Sunnlementary Concent] OB olanzanina)	8894	08-45-09

S NCBI Resour	ces 🕑 How To 🕑		Sign in to NCBI
PubMed Home	More Resources 🔻	Help	



<u>Clear</u>

Use the builder below to create your search

<u>Edit</u>

Builder



Search or Add to history

History

Search	Add to builder	Query	Items found	Time
<u>#53</u>	Add	Search (#51 NOT #52)	1576	08:55:36
<u>#52</u>	Add	Search ((comment[pt] OR editorial[pt] OR letter[pt] OR news[pt]))	<u>1930957</u>	08:55:23
<u>#51</u>	<u>Add</u>	Search (#14 AND #46) Filters: Publication date from 1970/01/01 to 2019/12/31; Humans; English; Adult: 19+ years	<u>1701</u>	08:55:08
<u>#50</u>	Add	Search (#14 AND #46) Filters: Humans; English; Adult: 19+ years	<u>1727</u>	08:54:45
<u>#49</u>	Add	Search (#14 AND #46) Filters: Humans; English	<u>3268</u>	08:54:42
<u>#48</u>	Add	Search (#14 AND #46) Filters: Humans	<u>3890</u>	08:54:34
<u>#47</u>	Add	Search (#14 AND #46)	<u>5130</u>	08:54:30
<u>#46</u>	<u>Add</u>	Search (#15 or #16 or #17 or #18 or #19 or #20 or #21 or #22 or #23 or #24 or #25 or #26 or #27 or #28 or #29 or #30 or #31 or #32 or #33 or #34 or #35 or #36 or #37 or #38 or #39 or #40 or #41 or #42 or #43 or #44 or #45)	<u>134601</u>	08:48:37
<u>#45</u>	Add	Search ("Viloxazine"[Mesh] OR Viloxazine)	<u>328</u>	08:48:15
<u>#44</u>	Add	Search ("varenicline"[Supplementary Concept] OR varenicline)	<u>1821</u>	08:45:59
<u>#43</u>	Add	Search ("Valproic Acid"[Mesh] OR Valproate)	<u>18969</u>	08:45:52
<u>#42</u>	Add	Search ("topiramate"[Supplementary Concept] OR topiramate)	<u>4766</u>	08:45:45
<u>#41</u>	Add	Search ("Sertraline"[Mesh] OR Sertraline)	<u>4956</u>	08:45:40

S NCBI Resources	🖼 How To 🖂			<u>Sign in te</u>					
Pub Med.gov	PubMed V (#14.4	ND #46) Search							
US National Library of Medicine National Institutes of Health	Create RSS Create alert Advanced								
Article types Clinical Trial	Format: Summary -	Sort by: Most Recent + Per page: 20 + Send to +	Filters: <u>Manage Filters</u>						
Review	Search results		Sort by:						
	Items: 1 to 20 of 513	0 Date Date Date A of 207 Nation Laster	Best match	Most recei					
Text availability Abstract Free full text Full text	Disulfiram facilita	ates ataxin-3 nuclear translocation and potentiates the cytotoxicity in a cell model of	Results by year						
	1. <u>SCA3.</u>			Downl					
Publication dates	Wang Z.								
10 years	PMID: 31378764	44(8):535-542. 00I: 10.2131/JIS.44.535. Free Article	Find related data						
Custom range	Similar articles		Database: Select	~					
Species Humans Other Animals	<u>Reduction in Dri</u> and Unhealthy A	nking was Associated With Improved Clinical Outcomes in Women With HIV Infection Icohol Use: Results From a Randomized Clinical Trial of Oral Naltrexone Versus	Find items						
Outer Animais	Placebo.								
Languages	Cook RL, Zhou Z	, Miguez MJ, Quiros C, Espinoza L, Lewis JE, Brumback B, Bryant K.	Search details						
Customize	Alcohol Clin Exp Re	es. 2019 Aug;43(8):1790-1800. doi: 10.1111/acer.14130. Epub 2019 Jul 10.							
	PMID: 31373701 Similar articles		#14 AND #40						
Ages Child: hirth-18 years	<u> </u>								
Infant: birth-23 months	Pharmacogenet	cs of alcohol addiction: current perspectives.							
Adult: 19+ years	3. Zastrozhin MS, S	Skryabin VY, Miroshkin SS, Bryun EA, Sychev DA.							
Adult: 19-44 years	Appl Clin Genet. 20 PMID: 31372024	19 Jul 11;12:131-140. doi: 10.214//TACG.S206745. eCollection 2019.	Search	8.0					
Customize	Similar articles			36					
	_								
Clear all	Modication only X	nced behavior therapy for alcohol use disorder: Naltrexone, Alcoholics Anonymous	Recent Activity						
Show additional filters	Additional filters	PRM1 genetic variation. zer KS, Blanco, L. Swiatek D, Baine Hughes L, Quiñones Lombraña A, Shvhalla K							
	Article types	2019 Sep;104:7-14. doi: 10.1016/j.jsat.2019.05.004. Epub 2019 May 4.							
	 Text availability 								
	Publication dates								
	Species	bid use disorder may have worse drug use outcomes after varenicline than nicotine							
	✓ Languages								
	Sex	now DJ, Tidey JW.							
	Subjects	2019 Sep;104:22-27. doi: 10.1016/j.jsat.2019.06.005. Epub 2019 Jun 10.							
	Journal categories								
	✓ Ages								
	Search fields	ional changes in hypothalamus of Pomc enhancer knockout mice after excessive							
	Show	Low 🗔 Kreek MJ. 2019 Jul 24:e12600. doi: 10.1111/gbb.12600. [Epub ahead of print]							

S NCBI R	lesources 🗹	How To 🖸						Sign in to NCBI
Publed US National Library of National Institutes of	.gov of Medicine f Health	PubMed V	(#14 AND #4 Create RSS	16) Create	e alert Advanced	earch		Help
Article types Clinical Trial		Format: Summ	nary 🚽 Sort by	: Most	Recent - Per page: 20 -	Send to 🗸	Filters: <u>Manage Filters</u>	
Review							Sort by:	
Text availabili	Article typ	Des		×	<< First < Prev Page 1 of 257 Nex	t> Last>>	Best match	Most recent
Abstract Free full text Full text	Observa Overall Detion	tional Study, Veterinary		^	nuclear translocation and potentiates the cytotoxicity in a cel	I model of	Results by year	Developed COV
Publication da 5 years 10 years Custom range	Periodic:	al Index I Narrative			doi: 10.2131/jts.44.535.		Find related data	
Species Humans Other Animals	Practice	Guideline ic Clinical Trial d Erratum	_		sociated With Improved Clinical Outcomes in Women With H Results From a Randomized Clinical Trial of Oral Naltrexone	IIV Infection Versus	Database: Select	~
Languages English Customize	Random Researc Reinves	ized Controlled Trial h Support, American Re stment Act h Support, N I H., Extrar	covery and	ł	Quiros C, Espinoza L, Lewis JE, Brumback B, Bryant K. (8):1790-1800. doi: 10.1111/acer.14130. Epub 2019 Jul 10.		Search details #14 AND #46	
Ages Child: birth-18 Infant: birth-23 Adult: 19+ yea	Researc	h Support, N.I.H., Intram h Support, Non-U.S. Go h Support, U.S. Gov't, N	nural v't on-P.H.S.	ł	addiction: current perspectives. Miroshkin SS, Bryun EA, Sychev DA.			
Adult: 19-44 ye Aged: 65+ yea Customize	Researc Researc	h Support, U.S. Gov't, P h Support, U.S. Governr	.H.S. ment	~	1-140. doi: 10.2147/TACG.S206745. eCollection 2019. icle		Search	See more
<u>Clear all</u> Show addition	Show				or therapy for alcohol use disorder: Naltrexone, Alcoholics Ar etic variation.	ionymous	Recent Activity	
		Stewart S J Subst Ab PMID: 313 Similar arti	6H, vvalitzer K use Treat. 2019 70987 <u>cles</u>	S, Bla Sep;1(ĥco J, Swiatek D, Paine Hughes L, Quiñones-Lombraña A, Shy)4:7-14. doi: 10.1016/j.jsat.2019.05.004. Epub 2019 May 4.	halla K.		

S NCBI Resources 🕑 How	Το 🖂
Publiced.gov US National Library of Medicine National Institutes of Health	Med V (#14 AND #46) Create RSS Create alert Advanced
Article types Clinical Trial <u>Randomized Controlled Trial</u> Review Customize	Format: Summary - Sort by: Most Recent - Per page: 20 - Send to - Search registrations Search registrations Items: 1 to 20 of 5130 Search registrations
Text availability Abstract Free full text Full text Publication dates 5 years 10 years Custom range	 Disulfiram facilitates ataxin-3 nuclear translocation and potentiates the cytotoxicity in a cell model of SCA3. Wang Z. J Toxicol Sci. 2019;44(8):535-542. doi: 10.2131/jts.44.535. PMID: 31378764 Free Article Similar articles
Species Humans Other Animals Languages English Customize	 Reduction in Drinking was Associated With Improved Clinical Outcomes in Women With HIV Infection and Unhealthy Alcohol Use: Results From a Randomized Clinical Trial of Oral Naltrexone Versus Placebo. Cook RL, Zhou Z, Miguez MJ, Quiros C, Espinoza L, Lewis JE, Brumback B, Bryant K. Alcohol Clin Exp Res. 2019 Aug;43(8):1790-1800. doi: 10.1111/acer.14130. Epub 2019 Jul 10. PMID: 31373701 Similar articles
Ages Child: birth-18 years Infant: birth-23 months Adult: 19+ years Adult: 19-44 years Aged: 65+ years Customize	 Pharmacogenetics of alcohol addiction: current perspectives. Zastrozhin MS, Skryabin VY, Miroshkin SS, Bryun EA, Sychev DA. Appl Clin Genet. 2019 Jul 11;12:131-140. doi: 10.2147/TACG.S206745. eCollection 2019. PMID: 31372024 Free PMC Article Similar articles
<u>Clear all</u> Show additional filters	 Medication-enhanced behavior therapy for alcohol use disorder: Naltrexone, Alcoholics Anonymous Facilitation, and OPRM1 genetic variation. Stewart SH, Walitzer KS, Blanco J, Swiatek D, Paine Hughes L, Quiñones-Lombraña A, Shyhalla K. J Subst Abuse Treat. 2019 Sep;104:7-14. doi: 10.1016/j.jsat.2019.05.004. Epub 2019 May 4. PMID: 31370987 Similar articles
	 Smokers with opioid use disorder may have worse drug use outcomes after varenicline than nicotine replacement. Martin RA, Rohsenow DJ, Tidey JW. J Subst Abuse Treat. 2019 Sep;104:22-27. doi: 10.1016/j.jsat.2019.06.005. Epub 2019 Jun 10. PMID: 31370981 Similar articles
	 Nuclear transcriptional changes in hypothalamus of Pomc enhancer knockout mice after excessive alcohol drinking. Zhou Y, Liang Y, Low MJ, Kreek MJ.

Genes Brain Behav. 2019 Jul 24:e12600. doi: 10.1111/gbb.12600. [Epub ahead of print]

SNCBI Resources 🗹	ow To 🖸	
Publed.gov US National Library of Medicine National Institutes of Health	Create RSS Create alert Advanced	× Search
Article types clear Clinical Trial	Format: Summary - Sort by: Most Recent - Per page: 20 -	Send to 👻 F
Randomized Controlled Tria		s
Review	Search results	
Customize	Items: 1 to 20 of 686 = <pre></pre>	ge 1 of 35 Next > Last >>
Text availability		
Abstract	Eiltern activated: Bandemized Controlled Trial, Clear all	
Free full text		R
Full text	Naltrexone and alcohol effects on craving for cigarettes in heavy drinking s	smokers.
Dublication data-	 Green R, Bujarski S, Lim AC, Venegas A, Ray LA. 	
Publication dates	Exp Clin Psychopharmacol. 2019 Jun;27(3):257-264. doi: 10.1037/pha0000252. Epub 20)19 Jan 10.
o years	PMID: 30628813	
Custom range	Similar articles	
oustonn runge		
Species	Total and acylated ghrelin plasma levels as potential long-term response r	narkers in alcohol-
Humans	dependent patients receiving high-dose of the GABA-B receptor agonist backets	aclofen.
Other Animals	Geisel O, Hellweg R, Wernecke KD, Wiedemann K, Müller CA.	
Languages	Psychiatry Res. 2019 Feb;272:431-437. doi: 10.1016/j.psychres.2018.12.095. Epub 2018	3 Dec 18.
English	PMID: 30611960	
Customize	Similar articles	(
	Evenutive Eventioning Mederates Processes to Acceditive Overs A Obsta	in Covere Alected Line
Ages	Executive Functioning Moderates Responses to Appetitive Cues: A Study Disorder and Alashalia Liver Disorder	In Severe Alcohol Use
Child: birth-18 years	Disorder and Alcoholic Liver Disease.	
Iniant: Dirth-23 Months	Logge WB, Morley KC, Haber PS, Baillie AJ.	
Adult: 19+ years	Alconol Alconol. 2019 Jan 1;54(1):38-46. doi: 10.1093/alcaic/agy083.	
Aged: 65+ years	Similar articles	(
Customize		
	Effects of time-varving changes in tobacco and alcohol use on depressive	symptoms following
Clear all	 <u>energies of time varying changes in tobacco and accord disc of depressive</u> pharmaco-behavioral treatment for smoking and heavy drinking 	of inplotio following
	Lechner WM, Sidbu NK, Cice DA, Kablor CW	(
Show additional filters	LEGHIEL VEV, SIGHUINK, GIVE MA, KAHIEL GVV. Drug Alcobal Depend, 2019, Jan 1:194:173,177, doi: 10.1016/j.drugoloden 2018.09.030	Epub 2018 Nov 6
	PMID: 30445275	Lpub 2010 1409 0.
	Similar articles	,
		(

S NCBI Reso	ources 🖸 🛛	How To 🖸					<u>Sign in</u>
PubMed Home	More	Resources 🔻	Help				
PubMed Adva	anced Se ed: Randor	earch Builder nized Controlled	, Trial. <u>Clear all</u>			You <mark>Tube</mark>	Tutorial
	Use the I	builder below to	create your search				
	Edit					Clear	
	Builder	All Fields All Fields or <u>Add to histo</u>		0 0	Show index list Show index list		
	History			Dow	vnload history <u>Cl</u>	ear history	
	Search	Add to builder	Query		Items found	Time	
	<u>#54</u>	Add	Search (#14 AND #46) Filters: Randomized Controlled Trial		<u>686</u>	l ≞ 10:04	
	<u>#47</u>	Add	Search (#14 AND #46)		<u>5130</u>	10:22:08	
	<u>#14</u>	Add	Search (#1 or #2 or #3 or #4 or #5 or #6 or #7 or #8 or #9 or #10 or #11 or #12 or #13)		<u>193156</u>	10:22:07	
	<u>#15</u>	Add	Search "Alcohol Deterrents"[MeSH]		<u>1358</u>	10:22:07	
	<u>#16</u>	Add	Search ("Naltrexone"[Mesh] OR naltrexone)		<u>9735</u>	10:22:07	
	<u>#17</u>	Add	Search ReVia		<u>9746</u>	10:22:07	
	<u>#18</u>	Add	Search Vivitrol		<u>54</u>	10:22:07	

Search ("acamprosate" [Supplementary Concept] OR acamprosate)

Search ("Disulfiram"[Mesh] OR Disulfiram)

<u>#19</u>

<u>#20</u>

<u>#21</u>

#22

Add

<u>Add</u>

<u>Add</u>

Add

Search Campral

Search Antabuse

843

<u>845</u>

<u>4246</u>

4291

10:22:07

10:22:07

10:22:07

10:22:07

S NCBI Resources	⊻ How Io			
Pub Med.gov	PubMe	d 🗸 (#14 AND #46)		Sear
US National Library of Medicine National Institutes of Health		Create RSS Create alert Advanced		
Article types	clear Fo	ormat: Summary - Sort by: Most Recent - Per page: 20 -		Send to - Filters: Manage Filters
Clinical Trial			Choose Destinatio	on
Randomized Controlled I Review	rial	earch results	File	
Customize			⊖ Collections	O E-mail
odotomico	It	ems: 1 to 20 of 686 <<< First <	Pre O Order	O My Bibliography
Text availability			Citation manager	(), <u></u>
Abstract Free full text	1	Filters activated: Randomized Controlled Trial. Clear all		
Full text		Naltrexone and alcohol effects on craving for cigarettes in heavy di	rini Download 686 item	S.
Dublication datas	1.	Green R, Bujarski S, Lim AC, Venegas A, Ray LA.	Format	
Publication dates		Exp Clin Psychopharmacol. 2019 Jun;27(3):257-264. doi: 10.1037/pha0000252	2. El Summary (text)	
5 years		PMID: 30628813	Abstract (text)	
Custom range		Similar articles	XML	
e de la constant genn	_		PMID List	
Species		I otal and acylated gnrelin plasma levels as potential long-term res	spo CSV	1
Humans	Ζ.	dependent patients receiving high-dose of the GABA-B receptor ac	gor	
S NCBI Resources	D How To			<u>Si</u>
Pub Med.gov	PubMed	✓ (#14 AND #46)	Search	
US National Library of Medicine National Institutes of Health		Create RSS Create alert Advanced		
Article types Clinical Trial	clear Fo	rmat: Summary → Sort by: Most Recent → Per page: 20 →	Send to	Filters: Manage Filters
✓ Randomized Controlled T	rial	<u>C</u>	Choose Destination	
Review	Se	earch results) File O Clipb	oardMos
Customize	Ite	ms: 1 to 20 of 686 << First < Pre	Order My Bi	ibliography
Text availability Abstract			Citation manager	
Free full text	U	Filters activated: Randomized Controlled Trial. Clear all		
Full text		Naltrexone and alcohol effects on craving for cigarettes in heavy drini	Senerate a file for use with ex panagement software	xternal citation
Publication dates	1.	Green R, Bujarski S, Lim AC, Venegas A, Ray LA. Exp Clin Psychopharmacol. 2019 Jun:27(3):257-264. doi: 10.1037/pha0000252. Et	5 to send	
5 years		PMID: 30628813	20	
Custom range		Similar articles 5	50 100 m citation	
Species		Total and acylated ghrelin plasma levels as potential long-term respo	200	
Humans	2.	dependent patients receiving high-dose of the GABA-B receptor agor	Create File	
Other Animals		Geisel O, Hellweg R, Wernecke KD, Wiedemann K, Müller CA.	19 0.00 19	
Languages		PMID: 30611960	10 Dec 16.	
English Customize		Similar articles		Q ((("Alcohol-Related Disorders"
Ages		Executive Functioning Moderates Responses to Appetitive Cues: A Study	y in Severe Alcohol Use	("Alcoholism"[MeSH]) OR (6 (("Alcohol-Related Disorders")

Clinicaltrials.gov Home Page

We updated the design of this site on December 18, 2017. Learn more. NIH U.S. National Library of Medicine About Site -Find Studies
About Studies Submit Studies 🔻 Resources -ClinicalTrials.gov ClinicalTrials.gov is a database of privately and publicly funded clinical studies conducted around the world.

Explore 264,229 research studies in all 50 states and in 202 countries.

ClinicalTrials.gov is a resource provided by the U.S. National Library of Medicine.

IMPORTANT: Listing a study does not mean it has been evaluated by the U.S. Federal Government. Read our disclaimer for details.

Before participating in a study, talk to your health care provider and learn about the risks and potential benefits.

O Recruiting	and not yet recru	uiting studies		
O All studies	i			
ondition or dis	ease 🕕 (For examp	le: breast cancer)		
			;	ĸ
ther terms 🚺 (I	For example: NCT nu	mber, drug name, in	vestigator name)	
			>	ĸ
ountry 🟮				
			•)	x

Patients and Families

Search for actively recruiting studies that you may be able to participate in or learn about new interventions/treatments that are being considered.

Researchers

Search the database to stay up to date on developments Learn about registering studies and about submitting in your field, find collaborators, and identify unmet needs. their results after study completion.

Study Record Managers

Loorn more

Loarn more

Clinicaltrials.gov Advanced Search

We updated the design of this site on December 18, 2017. Learn more.

U.S. National Library of Medicine	Find Studies 🕶	About Studies 🗸	Submit Studies 🕶	Resources 🔻	About Site 🔻
Home > Advanced Search					

Advanced Search

Fill in any or all of the fields below. Click on the label to the left of each search field for more information or read the Help

	Search Help	
Condition or disease:		۲
Other terms:		>
Study type:	All Studies	•
Study Results:	All Studies	•
Recruitment status:	Clinical study:	Expanded Access:
	Not yet recruiting	Available
	Recruiting	No longer available
	Enrolling by invitation	Temporarily not available
	Active, not recruiting	Approved for marketing
	Suspended	
	Terminated	
	Completed	
	Withdrawn	
	Unknown status	
Eligibility Criteria:		
Г		Child (birth–17)
Age:	X years OR Age Group:	Adult (18–65) Senior (66+)
Sex:	All	• x

Clinicaltrials.gov Advanced search cont'd

	Uchild (birth–17)	
Age:	: Age Group: Adult (18-65)	
• • • • • • • • • • • • • • • • • • •	Senior (66+)	
Sex:	: All v x 2	
Accepts Healthy Volunteers:	 Healthy volunteers may participate in the study 	
Targeted Search:		
Intervention/treatment:	: x	
Title / Acronym:	x	
Outcome Measure:	: x	
Sponsor / Collaborator:	: Exact match	
Sponsor (Lead):	: Exact match	
Study IDs:	: x	
Locations:		
Country:	· x	
Location Terms:	: x	
Additional Criteria:		
Phase:	Early Phase 1 Phase 1 Phase 2	
	e Filase 3 e Filase 4	
Funder Type:	: NIH Other U.S. Federal agency	
	Industry All others (individuals, universities, organizations)	
Study Start:	x To x (MM/DD/YYYY)	
Primary Completion:	x To x (MM/DD/YYYY)	
First Posted:	: From X To X (MM/DD/YYYY)	
Last Update Posted:	: From x To x (MM/DD/YYYY)	

ClinicalTrials.gov, 2/8/13

(("Alcohol-Related Disorders" OR "Alcoholism" OR "Alcohol Drinking" OR alcohol depend* OR "alcohol misuse" OR alcohol addiction* OR "alcohol abuse" OR problem drink* OR alcohol problem* OR "alcohol consumption" OR harmful alcohol* OR harmful drink* OR (drinking OR drinkerOR drinkers) AND alcohol) AND ("Alcohol Deterrents" OR naltrexone OR Revia OR Vivitrol OR acamprosate OR Campral OR disulfiram OR Antabuse OR amitriptyline OR aripiprazole OR atomoxetine OR baclofen OR buspirone OR citalopram OR desipramine OR escitalopram OR fluoxetine OR fluvoxamine OR gabapentin OR imipramine OR nalmefene OR olanzapine OR ondansetron OR paroxetine OR prazosin OR quetiapine OR sertraline OR topiramate OR valproate OR "Valproic Acid" OR varenicline OR vilozaxine) [ALL-FIELDS] AND ("Adult" OR "Senior") [AGE-GROUP] AND ("01/01/1970" : "02/08/2013") [FIRST-RECEIVED-DATE]

> Advanced/Expert search limited to: Age Groups: Adult, Senior First Received: 1/1/1970 - 2/8/2013

F

Too much literature? Consider narrowing your scope

* Broad

- * What is the association between mental health and substance use disorder diagnoses and the outcome of suicide?
- * Narrow
 - What is the association between mental health and substance use disorder diagnoses and the outcome of suicide among the patient claims/medical records population?
- * Even narrower
 - * What is the association between major depressive disorder diagnoses and the outcome of suicide among Medicaid enrollees?

Limiting your search

Your search may be too large to analyze for your project's size, human resources, and/or timeline.

- * Try limiting by:
 - Narrowing scope of question(s)
 - * Age of participants or subjects
 - Human study populations
 - * Study research designs. Examples:
 - * Randomized Controlled Trials (RCTs) or any Trials
 - * Other systematic reviews
 - * Primary Studies
 - * Remove unwanted publication types. Examples:
 - News
 - Letters
 - Editorials
 - * Comments

Hand Searching

- Review reference lists of your selected studies for additional relevant works
- Identify new articles that have cited your selected studies with Web of Science or Scopus
- Contact study authors or experts for recommendations about missed or very new studies

I have literature! Now what? Reference Management programs

Import citations into EndNote, Mendeley, Zotero, Covidence, Abstrackr, or other bibliographic management program to:

A) Organize citations as you either mark them include or exclude

B) Easily insert and format in-text citations bibliographies when creating reports or manuscripts for journal articles

C) Remove duplicates

D) Automatically find full-text articles

*You can often transfer references from one program to another.

Example guide from UNC-Chapel Hill: http://guides.lib.unc.edu/switching

Flow of literature through phases of a systematic review - PRISMA diagram



From Moher D, Liberati A, Tetzlaff J, Altman DG, The PRISMA Group (2009). Preferred Reporting Items for Systematic Reviews and Meta-Analyses: The PRISMA Statement. PLoS Med 6(6): e1000097, doi: 101371/journal.pmed1000097

PRISMA diagram

Ţ

Figure B. Disposition of Articles



Documenting Your Searches



Documenting your searches so they can be repeated

* Appendix that lists:

- * all complete search strategies with all terms used,
- * Boolean connector logic,
- which interface (e.g. PubMed or OVID Medline),
- * date of your search
- any limits used (language, age, study designs, publication types, publication dates), and
- * number of citations retrieved (yield), including:
 - Duplicated found
 - * Number included for analysis

Methods section Alcohol-Use Disorders review

Literature Search Strategy

To identify articles relevant to each KQ, we searched PubMed[®], the Cochrane Library, PsycINFO®, CINAHL®, and Embase® for Englishlanguage and human-only studies published from January 1, 1970, to October 11, 2013. Searches were run by an experienced Evidence-based Practice Center (EPC) librarian and were peer reviewed by another EPC librarian. We manually searched reference lists of pertinent reviews, trials, and background articles on this topic to look for any relevant citations that our searches might have missed. We searched for unpublished studies relevant to this review using ClinicalTrials.gov, the World Health Organization International Clinical Trials Registry Platform, and the FDA Web site. In addition, AHRQ's Scientific Resource Center requested any unpublished studies and pertinent data from relevant pharmaceutical companies. We also retrieved and assessed references suggested by our peer reviewers and the public.

Appendix A. Search Strategy PubMed, Original Search, 2-6-13

Searc	Search Query		
<u>#1</u>	Search "Alcohol-Related Disorders" [MeSH]	<u>92008</u>	
<u>#2</u>	Search "Alcoholism" [MeSH]	<u>64059</u>	
<u>#3</u>	Search "Alcohol Drinking" [MeSH]	<u>46842</u>	
<u>#4</u>	Search alcohol depend*	<u>8221</u>	
<u>#5</u>	Search "alcohol misuse"	<u>1331</u>	
<u>#6</u>	Search alcohol addiction*	<u>724</u>	
<u>#7</u>	Search "alcohol abuse"	<u>12291</u>	
<u>#8</u>	Search problem drink*	<u>2220</u>	
<u>#9</u>	Search alcohol problem*	<u>2955</u>	
<u>#10</u>	Search "alcohol consumption"	<u>25255</u>	
<u>#11</u>	Search harmful alcohol*	223	
<u>#12</u>	Search harmful drink*	244	
#13	Search ((drinking[tiab] OR drinker[tiab] OR drinkers[tiab]) AND alcohol[tiab])	24901	
#14	Search (#1 or #2 or #3 or #4 or #5 or #6 or #7 or #8 or #9 or #10 or #11 or #12 or #13)	146095	
<u>#15</u>	Search "Alcohol Deterrents"[MeSH]	1053	
#16	Search ("Naltrexone"[Mesh] OR naltrexone)	7566	

Cochrane Library, Original Search, 2-8-13

Cochrane Reviews – 209 Other reviews – 12 Trials – 587

Techr	nology Assessments (1) \bullet Economic Evaluations (9) \bullet Cochrane Groups (3)	
ID	Search	Hits
#1	[mh "Alcohol-Related Disorders"]	3159
#2	[mh Alcoholism]	2169
#3	[mh "Alcohol Drinking"]	2082
#4	alcohol depend*	3909
#5	"alcohol misuse"	170
#6	alcohol addiction*	1223
#7	"alcohol abuse"	1013
#8	problem drink*	1172
#9	alcohol problem*	2315
#10	"alcohol consumption"	2443
#11	harmful alcohol*	426
#12	harmful drink*	195
#13	(drinking:ti or drinking:ab or drinker:ti or drinker:ab or drinkers:ti or drinkers:ab) and (alcohol:ti or alcohol:ab)	2424
#14	#1 or #2 or #3 or #4 or #5 or #6 or #7 or #8 or #9 or #10 or #11 or #12 or #13	9573
#15	[mh "Alcohol Deterrents"]	146

Key Takeaways

- Work with a librarian, and organize elements of your search using the PICOTS framework.
- Document your searches and search methods fully so they can be repeated by others.
- Refer to resources at the end of this presentation and the more detailed version on the AcademyHealth web site for further guidance.

Additional NLM resources for HSR and Public Health research

* Health Services Research Information Central

https://hsric.nlm.nih.gov/hsric_public/

 Health Services and Sciences Research Resources (a catalog of HSR datasets and survey instruments with links to PubMed)

https://hsrr.nlm.nih.gov/?cf_redirect=t

- ClinicalTrials.gov clinical trials in the US
- PHPartners practical information for the public health workforce from NLM

https://www.phpartners.org/ph_public/

Search for practice guidelines:

* PubMed search, limited to publication type Guideline

(e.g. Breast Neoplasms AND "Guideline" [Publication Type])

- * ECRI Guidelines Trust (free; requires registration)
 <u>https://guidelines.ecri.org/</u>
- * TRIP Database (free version) International source of guidelines and other evidence-based literature https://www.tripdatabase.com/

- * A PICOTS case study: https://guides.lib.unc.edu/pico/case
- * Useful fee-based databases to look for at your library:
 - Embase (clinical and pharmaceutical topics) https://www.embase.com/
 - The Cochrane Library (Evidence-based health care, systematic review and controlled trials databases) https://www.cochranelibrary.com/
 - CINAHL (Nursing and Allied Health) <u>https://www.ebscohost.com/nursing/products/cinahl-databases/cinahl-complete</u>
 - PsycINFO (psychology, behavioral health and social science) https://www.apa.org/pubs/databases/psycinfo/

* Boolean Logic/Searching:

https://guides.lib.unc.edu/booleansearching

* Citation Management: Getting help with EndNote

https://www.youtube.com/watch?v=S3xo6ZjBV6U

* UNC EndNote guide:

https://guides.lib.unc.edu/endnotex6

* EndNote YouTube Channel

https://www.youtube.com/user/EndNoteTraining https://guides.lib.unc.edu/citing-information

Contact

cvoisin@ad.unc.edu (919) 843-2298