

## Help: Epistemonikos/PDQ-Evidence, Cochrane Library, PubMed

### 1. Epistemonikos/PDQ-Evidence

URL: <https://www.epistemonikos.org/> URL: <https://www.pdq-evidence.org/>

#### Register and Log in

1. Click **Sign up** (to register your e-mail and a password)
2. Click **Register**
3. Click **Login** (and provide your registered e-mail and password)

#### Search help

SEARCH FIELDS		
Drop down: Title/Abstract	parents	Will find records with <b>parents</b> in title or in abstract
Drop down: Title	parents	Will find records with <b>parents</b> in title
Drop down: Abstract	parents	Will find records with <b>parents</b> in abstract
TRUNCATION		
* (asterisk)	child*	Will find records with <b>child; children; childhood</b>
PHRASE SEARCHING		
"... .."	"child hood"	Enclosing a phrase with double (straight) quotation marks will find records with the <u>exact phrase</u> : <b>child hood</b>
HYPHEN BETWEEN WORDS		
-	child-hood	Will find records with the hyphenated word: <b>child-hood</b> (hyphen is treated as a character) To find all records with child-hood, hyphenated or not, search with and without hyphen: <b>"child-hood " OR " child hood "</b>
OPERATORS		
AND	mothers AND fathers	Narrows the search to records with <b>mothers</b> that also must include <b>fathers</b>
OR	mothers OR fathers	Broadens the search to records with <b>mothers</b> , records with <b>fathers</b> , and records with <b>mothers and fathers</b>
NOT	mothers NOT fathers	Will find records with <b>mothers</b> , but will <u>exclude</u> record with <b>mothers and fathers</b>
PARENTHESES		
(...)	(mothers OR fathers) AND children	Will find records either with <b>mothers and children</b> , with <b>fathers and children</b> , or with <b>mothers and fathers and children</b>
COMBINING SEARCH LINES		

Dropdown: AND	Combining the first and second line	Narrows the search to records that must include words from <b>both lines</b>
Dropdown: OR	Combining the first and second line	Broadens the search to records that either include words from the <b>first line</b> or from the <b>second line</b>
<b>LIMITATION using Filters</b>		
<ul style="list-style-type: none"> <li>• From the search results list</li> <li>• Use drop down menu under <b>Filters</b></li> <li>• e.g. <b>Publication type - Systematic Review</b></li> </ul>		

### Download records

1. Click **Export results**
  - **RIS with first 100 results** - a file ready to import into a reference management tool (e.g. EndNote) will be generated, or
  - **Larger RIS files** (must be logged in to be able to export larger RIS files - more than 100 records)
2. For larger RIS files: indicate how many results you want to export
3. In PDQ-Evidence click **My PDQ-Evidence**, in Epistemonikos click **Dashboard** (that will take you to My Epistemonikos)
4. Click on the notification number in the top right corner
5. On the Notification page, click **Exported RIS**
6. Click relevant **Link** under RIS url - a file ready to import into a reference management tool (e.g. EndNote) will be generated

### Save strategy

1. You need to **Login** before you can save a strategy
2. Click **Save** underneath the search window
3. Give the strategy a name
4. Click **Save**

### Print strategy for reporting

1. Click **Export** underneath the search window
2. Copy and paste the strategy into an appendix of your protocol or review

### View saved strategy to rerun

1. You need to **Login** before you can view a saved strategy
2. In Epistemonikos - Click **Dashboard**.
2. In PDQ-Evidence - Click **My PDQ-Evidence**
3. Click **My searches**
4. Click the strategy to load/rerun it

## 2. Cochrane Library

URL: <https://www.cochranelibrary.com/>

### Register and Log in

1. Click **Sign in** (to register your e-mail and a password)
2. Click **Register**
3. Click **Sign in** (and provide your registered e-mail and password)

### Search help

SEARCH FIELDS - Using: Advanced search – Search manager		
Title	parents:ti	Will find records with <b>parents</b> in title
Abstract	parents:ab	Will find records with <b>parents</b> in abstract
Keywords	parents:kw	Will find records with <b>parents</b> in keywords/MeSH
Title, Abstract, Keywords	parents:ti,ab,kw	Will find records with <b>parents</b> in title, with <b>parents</b> in abstract and also records with <b>parents</b> in Keywords (MeSH terms and Embase Keywords)
TRUNCATION		
* (asterisk)	child*	Will find records with <b>child; children; childhood</b>
	midwife*	Will find records with <b>midwife</b> and also records with <b>midwifery</b>
	*wife	Will find records with <b>midwife</b> , but also records with <b>wife</b> or with <b>housewife</b>
	wom*n	Will find records with <b>woman</b> and also records with <b>women</b>
PHRASE SEARCHING		
"... .."	"child hood"	Enclosing a phrase with double (straight) quotation marks will find records with the <u>exact phrase</u> : <b>child hood</b>
HYPHEN BETWEEN WORDS		
-	child-hood	Will find records with <b>child-hood</b> and records with <b>child hood</b> , (hyphen is not treated as a character)
	"child hood"	Will find records with <b>child hood</b> and records with <b>child-hood</b> , (hyphen is not treated as a character)
OPERATORS		
AND	mothers AND fathers	Narrows the search to records with <b>mothers</b> that also must include <b>fathers</b>
OR	mothers OR fathers	Broadens the search to records with <b>mothers</b> , records with <b>fathers</b> , and records with <b>mothers and fathers</b>
NOT	mothers NOT fathers	Will find records with <b>mothers</b> , but will <u>exclude</u> record with <b>mothers and fathers</b>
NEAR/3	mothers NEAR/3 fathers	Will find records with <b>mothers and fathers</b> within 3 words from each other
NEXT	childhood NEXT vaccination	Will find records with the word <b>childhood</b> next to the word <b>vaccination</b>

	childhood NEXT vaccin*	Like phrase searching using quotation marks, only that truncation can be used with the NEXT operator, not with quotation marks Will retrieve <b>childhood vaccine; childhood vaccines; childhood vaccination</b>
<b>COMBINING SEARCH LINES</b>		
AND	#1 AND #2	Narrows the search to records that must include words from both <b>line 1 and 2</b>
OR	#1 OR #2	Broadens the search to records that either include words from <b>line 1</b> , words from <b>line 2</b> , or words from both <b>line 1 and 2</b>
<b>LIMITATION to publication type</b>		
<ul style="list-style-type: none"> <li>• From <b>Search Manager</b></li> <li>• Click <b>Limits</b> at the end of the search line</li> <li>• Choose limit and <b>tick off</b> (e.g Trials)</li> <li>• Click <b>Apply limits</b></li> </ul>		

### Download records

1. Either tick off **Select all** records, and tick off **Export selected citation(s)**, or select some records and tick off **Export selected citation(s)**
2. Depending on the reference management tool you use, select the corresponding record format, e.g. RIS (EndNote) if you use EndNote.
3. Tick off **Include abstract**
4. Click **Download**
5. Click the file and it will export all records you just downloaded to your EndNote

### Save strategy

1. You need to **Sign in** before you can save a strategy
2. Click **Save this search**
3. **Click Save** or **Save as**
4. Name the search
5. **Click Save** or **Save as**

### Print strategy for reporting

1. Click **Print**
2. Open the file with the downloaded strategy
3. Copy and paste the strategy into an appendix of your protocol or review (after formatting the strategy/converting it into a table using Word)

### View saved strategy to rerun

1. You need to **Sign in** before you can view a saved strategy
2. Click **View saved searches**
3. Click **Load**

### 3. PubMed

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

#### Register and Log in

1. Click **Sign in to NCBI** (will give you access to PubMed and other resources)
2. Register for an NCBI account
3. Click **Create account**
4. Sign in directly to NCBI using your Username and Password from when you created an account
5. Click **Sign In**
6. If you are not being transferred to PubMed directly, click **Resources**, then use the drop down arrow and go to **Literature**, then **PubMed**

#### Search help

SEARCH FIELDS		
Title	parents[ti]	Will find records with <b>parents</b> in title
Abstract	parents[ab]	Will find records with <b>parents</b> in abstract
Title or Abstract	parents[tiab]	Will find records with <b>parents</b> in title and/or in record abstract
All fields	parents[All fields]	Will find records with <b>parents</b> in any record field, including MeSH terms
TRUNCATION		
* (asterisk)	child*	Will find records with <b>child; children; childhood</b>
PHRASE SEARCHING		
"... .."	"child hood"	Enclosing a phrase with double (straight) quotation marks will find records with the <u>exact phrase</u> : <b>child hood</b>
HYPHEN BETWEEN WORDS		
-	child-hood	Will find records with <b>child-hood</b> and records with <b>child hood</b> , (hyphen is not treated as a character)
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COMBINING SEARCH LINES		
AND	#1 AND #2	Narrows the search to records that must include words from both <b>line 1 and 2</b>
OR	#1 OR #2	Broadens the search to records that either include words from <b>line 1</b> , words from <b>line 2</b> , or words from both <b>line 1 and 2</b>

LIMIT to Study design (Clinical Queries)
<ol style="list-style-type: none"><li>1. From <b>Advanced</b> (PubMed Advanced Search Builder)</li><li>2. Go to <b>More resources</b></li><li>3. Then to <b>Clinical Queries</b></li><li>4. Type in the number of the search line you want to limit – (e.g. <b>#6</b>)</li><li>5. Click <b>Search</b></li><li>6. Choose between various <b>Clinical Study Categories</b>, or choose <b>Systematic Reviews</b></li></ol>

### Download records

1. On the [Search results page](#)
2. Click [Send to](#)
3. Chose [Citation manager](#) and [Number to send](#)
4. [Click Create File](#)
5. Click the file and it will export all records you just downloaded to your Reference management tool, e.g. EndNote

### Save strategy

1. You need to [Sign in](#) before you can save a strategy
2. From [PubMed Advanced Search Builder](#), under [History](#) click on the search number of the strategy you want to save (e.g. #1), then click [Save in My NCBI](#)
3. Fill in the [Your PubMed search](#) form
4. Click [Save](#)

### Print strategy for reporting

1. Go to [Search details](#)
2. Click [See more ...](#)
3. As shown under [User query](#), copy and paste the strategy into an appendix of your protocol or review

### View saved strategy to rerun

1. You need to [Sign in](#) before you can save a strategy
2. Click [My NCBI](#)
3. Go to [Saved searches](#)
4. Click on the strategy to load/rerun it

<b>Peer Review of Electronic Search Strategies: PRESS check list</b> Sampson M, McGowan J, Lefebvre C, Moher D, Grimshaw J. PRESS: Peer Review of Electronic Search Strategies. Ottawa: Agency for Drugs and Technologies in Health; 2008	
Translation of the research question	<ul style="list-style-type: none"> <li>• Does the search strategy match the research question/PICO?</li> <li>• Are the search concepts clear?</li> <li>• Are there too many or too few PICO elements included?</li> <li>• Are the search concepts too narrow or too broad?</li> <li>• Does the search retrieve too many or too few records? (Please show number of hits per line.)</li> <li>• Are unconventional or complex strategies explained?</li> </ul>
Boolean and proximity operators  (these vary based on search service)	<ul style="list-style-type: none"> <li>• Are Boolean or proximity operators used correctly?</li> <li>• Is the use of nesting with brackets appropriate and effective for the search?</li> <li>• If NOT is used, is this likely to result in any unintended exclusions?</li> <li>• Could precision be improved by using proximity operators (e.g., adjacent, near, within) or phrase-searching instead of AND? Is the width of proximity operators suitable (e.g., might adj5 pick up more variants than adj2)?</li> </ul>
Subject headings/Index terms  (database-specific)	<ul style="list-style-type: none"> <li>• Are the subject headings relevant?</li> <li>• Are any relevant subject headings missing; e.g., previous index terms?</li> <li>• Are any subject headings too broad or too narrow?</li> <li>• Are subject headings exploded where necessary and vice versa?</li> <li>• Are major headings ("starring" or restrict to focus) used? If so, is there adequate justification?</li> <li>• Are subheadings missing?</li> <li>• Are subheadings attached to subject headings? (Floating subheadings may be preferred.)</li> <li>• Are floating subheadings relevant and used appropriately?</li> <li>• Are both subject headings and terms in free text (see below) used for each concept?</li> </ul>
Text word searching  (free text)	<ul style="list-style-type: none"> <li>• Does the search include all spelling variants in free text (e.g., UK versus US spelling)?</li> <li>• Does the search include all synonyms or antonyms (e.g., opposites)?</li> <li>• Does the search capture relevant truncation (i.e., is truncation at the correct place)?</li> <li>• Is the truncation too broad or too narrow?</li> <li>• Are acronyms or abbreviations used appropriately? Do they capture irrelevant material? Are the full terms also included?</li> <li>• Are the keywords specific enough or too broad? Are too many or too few keywords used? Are stop words used?</li> <li>• Have the appropriate fields been searched; e.g., is the choice of the text word fields (.tw.) or all fields (.af.) appropriate? Are there any other fields to be included or excluded (database-specific)?</li> <li>• Should any long strings be broken into several shorter search statements?</li> </ul>

Spelling, syntax and line numbers	<ul style="list-style-type: none"> <li>• Are there any spelling errors?</li> <li>• Are there any errors in system syntax; e.g., the use of a truncation symbol from a different search interface?</li> <li>• Are there incorrect line combinations or orphan lines (i.e., lines that are not referred to in the final summation that could indicate an error in an AND- or OR-statement)?</li> </ul>
Limits and filters	<ul style="list-style-type: none"> <li>• Are all limits and filters used appropriately and are they relevant given the research question?</li> <li>• Are all limits and filters used appropriately and are they relevant for the database?</li> <li>• Are any potentially helpful limits or filters missing? Are the limits or filters too broad or too narrow? Can any limits or filters be added or taken away?</li> <li>• Are sources cited for the filters used?</li> </ul>



## **Exercise: Develop search strategies**

### **Review Question:**

**What is the effect of face to face interventions to educate parents about childhood vaccination?**

**Use protocol text, the two relevant records, and common sense to find relevant search terms**

- 1. Search for systematic reviews in Epistemonikos/PDQ-Evidence**
- 2. Search for trials in CENTRAL, Cochrane Library, and report the search strategy**

### **PROTOCOL-TEXT**

**BACKGROUND:** Early childhood vaccination is an essential global public health practice that saves two to three million lives each year, but many children do not receive all the recommended vaccines. Face-to-face information or educational interventions are widely used to help parents understand why vaccines are important; explain where, how and when to access services; and address hesitancy and concerns about vaccine safety or efficacy.

**OBJECTIVE:** To assess the effects of face-to-face interventions for informing or educating parents about early childhood vaccination on vaccination status and parental knowledge, attitudes and intention to vaccinate.

**INCLUSION CRITERIA:** Randomised controlled trials (RCTs) and cluster-RCTs

### **RELEVANT RECORD 1**

PMID- 21679432

OWN - NLM

STAT- MEDLINE

DCOM- 20111201

LR - 20181201

IS - 1471-2458 (Electronic)

IS - 1471-2458 (Linking)

VI - 11

DP - 2011 Jun 16

TI - Randomised cluster trial to support informed parental decision-making for the MMR vaccine.

PG - 475

LID - 10.1186/1471-2458-11-475 [doi]

AB - **BACKGROUND:** In the UK public concern about the safety of the combined measles, mumps and rubella [MMR] vaccine continues to impact on MMR coverage. Whilst the sharp decline in uptake has begun to level out, first and second dose uptake rates remain short of that required for population immunity. Furthermore, international research consistently shows that some parents lack confidence in making a decision about MMR vaccination for their children. Together, this work suggests that effective interventions are required to support parents to make

informed decisions about MMR. This trial assessed the impact of a parent-centred, multi-component intervention (balanced information, group discussion, coaching exercise) on informed parental decision-making for MMR. METHODS: This was a two arm, cluster randomised trial. One hundred and forty two UK parents of children eligible for MMR vaccination were recruited from six primary healthcare centres and six childcare organisations. The intervention arm received an MMR information leaflet and participated in the intervention (parent meeting). The control arm received the leaflet only. The primary outcome was decisional conflict. Secondary outcomes were actual and intended MMR choice, knowledge, attitude, concern and necessity beliefs about MMR and anxiety. RESULTS: Decisional conflict decreased for both arms to a level where an 'effective' MMR decision could be made one-week (effect estimate = -0.54,  $p < 0.001$ ) and three-months (effect estimate = -0.60,  $p < 0.001$ ) post-intervention. There was no significant difference between arms (effect estimate = 0.07,  $p = 0.215$ ). Heightened decisional conflict was evident for parents making the MMR decision for their first child (effect estimate = -0.25,  $p = 0.003$ ), who were concerned (effect estimate = 0.07,  $p < 0.001$ ), had less positive attitudes (effect estimate = -0.20,  $p < 0.001$ ) yet stronger intentions (effect estimate = 0.09,  $p = 0.006$ ). Significantly more parents in the intervention arm reported vaccinating their child (93% versus 73%,  $p = 0.04$ ). CONCLUSIONS: Whilst both the leaflet and the parent meeting reduced parents' decisional conflict, the parent meeting appeared to enable parents to act upon their decision leading to vaccination uptake.

FAU - Jackson, Cath

AU - Jackson C

AD - Institute for Applied Health Research, Glasgow Caledonian University, Glasgow, UK.

FAU - Cheater, Francine M

AU - Cheater FM

FAU - Harrison, Wendy

AU - Harrison W

FAU - Peacock, Rose

AU - Peacock R

FAU - Bekker, Hilary

AU - Bekker H

FAU - West, Robert

AU - West R

FAU - Leese, Brenda

AU - Leese B

LA - eng

PT - Journal Article

PT - Randomized Controlled Trial

PT - Research Support, Non-U.S. Gov't

DEP - 20110616

PL - England

TA - BMC Public Health  
JT - BMC public health  
JID - 100968562  
RN - 0 (Measles-Mumps-Rubella Vaccine)  
SB - IM  
MH - Cluster Analysis  
MH - \*Decision Making  
MH - Focus Groups  
MH - \*Health Knowledge, Attitudes, Practice  
MH - Humans  
MH - Immunization Programs/statistics & numerical data  
MH - Interviews as Topic  
MH - Measles-Mumps-Rubella Vaccine/\*therapeutic use  
MH - \*Parents  
MH - Surveys and Questionnaires  
MH - United Kingdom  
PMC - PMC3144460  
EDAT- 2011/06/18 06:00  
MHDA- 2011/12/13 00:00  
CRDT- 2011/06/18 06:00  
PHST- 2010/08/26 00:00 [received]  
PHST- 2011/06/16 00:00 [accepted]  
PHST- 2011/06/18 06:00 [entrez]  
PHST- 2011/06/18 06:00 [pubmed]  
PHST- 2011/12/13 00:00 [medline]  
AID - 1471-2458-11-475 [pii]  
AID - 10.1186/1471-2458-11-475 [doi]  
PST - epublish  
SO - BMC Public Health. 2011 Jun 16;11:475. doi: 10.1186/1471-2458-11-475.

## **RELEVANR RECORD 2**

PMID- 9458569  
OWN - NLM  
STAT- MEDLINE  
DCOM- 19980306  
LR - 20180709  
IS - 0008-4263 (Print)  
IS - 0008-4263 (Linking)  
VI - 88  
IP - 6  
DP - 1997 Nov-Dec  
TI - Assessment of parent education methods for infant immunization.  
PG - 405-8  
AB - OBJECTIVE: To assess whether a video about infant immunization could inform

parents as well as human counselling (oral presentation). METHODS: Core information for parents about infant immunization was identified and packaged in an instructional video and a scripted oral presentation. Volunteer prenatal classes were randomly assigned a video or oral presentation. Participants completed pre- and post-test questionnaires covering the same 16 items. Scores were compared for each question and as a group means, using Fisher's exact test, 2-sided. RESULTS: 227 subjects participated, including 102 men and 124 women. Groups were similar in terms of gender mix, parenting experience and recent reading about immunization. Pre-test knowledge scores were similarly low between groups. Post-test scores were much higher but did not differ significantly between groups. CONCLUSIONS: In a prenatal classroom setting, video and oral presentations were equally effective in conveying key information about infant immunization.

FAU - Bjornson, G L

AU - Bjornson GL

AD - Vaccine Evaluation Center, University of British Columbia, Vancouver.

gbjornson@wpog.childhosp.bc.ca

FAU - Scheifele, D W

AU - Scheifele DW

FAU - Gold, R

AU - Gold R

LA - eng

PT - Clinical Trial

PT - Journal Article

PT - Randomized Controlled Trial

PT - Research Support, Non-U.S. Gov't

PL - Switzerland

TA - Can J Public Health

JT - Canadian journal of public health = Revue canadienne de sante publique

JID - 0372714

SB - IM

MH - British Columbia

MH - Female

MH - Health Education/\*methods

MH - Humans

MH - \*Immunization

MH - Infant

MH - Male

MH - Prenatal Care

MH - Program Evaluation

MH - \*Video Recording

EDAT- 1998/02/12 00:00

MHDA- 1998/02/12 00:01

CRDT- 1998/02/12 00:00

PHST- 1998/02/12 00:00 [pubmed]

PHST- 1998/02/12 00:01 [medline]

PHST- 1998/02/12 00:00 [entrez]

PST - ppublish

SO - Can J Public Health. 1997 Nov-Dec;88(6):405-8.

	<b>P</b>	<b>I</b>	<b>C</b>	<b>O</b>	<b>S</b>
Index terms					
Free text terms					