

# **Cooking up systematic reviews: tried and true recipes for success**

**Tomas Allen**

**Geneva Workshop 2016**



**World Health  
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**Databases by name:**

EMBASE, Journal Citation Reports, CINAHL, FACTIVA and any other unlisted databases, please send your requests to [LNK@who.int](mailto:LNK@who.int) for a pricing option.

- Academic Search Premier
- BMJ Clinical Evidence
- Business Insights
- **CABI - Global Health Database**
- **Cochrane**
- EHS - Environmental Health Information Service
- EIU.com
- EIU - Country Data
- EIU - Global Forecasting Service
- EIU - Viewswire
- Facts on File

**WHO HQ databases by name:**

- WHOLIS
- IRIS
- ICTRP - International Clinical Trials Registry Platform
- International Digest of Health Legislation & Recueil international de Législation sanitaire

**WHO Regional databases by name:**

- Africa
- Eastern Mediterranean
- Latin America and Caribbean
- PAHO Library Institutional Memory

# Many countries have access

- The Cochrane Library is available to all HINARI-eligible countries, list found at:

<http://www.thecochranelibrary.com/view/0/FreeAccess.html>.

- Many developed countries also provide their citizens with some form of open access:

Norway, Finland, Denmark, Ireland to name just a few.



# The Cochrane Library

- The single most reliable source for evidence on the effects of health care.
- Brings together in one place research on the effectiveness of healthcare treatments and interventions.
- The gold standard in evidence-based medicine.
- Provides access to the most objective information on the latest in health interventions.



# The Cochrane Collaboration

<http://www.cochrane.org>

---

- **Structure** - established as an international organisation in 1993, registered as a charity in the United Kingdom.
- **Aim** - to help people make well-informed decisions about health care.
- **How** - by preparing and promoting access to systematic reviews of the effects of healthcare interventions.
- **Publishing Output** – The Cochrane Library.



# What is in the Cochrane Library?

- Cochrane Database of Systematic Reviews (Cochrane reviews)
- Database of Abstracts of Reviews of Effects
- Central Register of Controlled Trials
- Cochrane Methodology Register
- Health Technology Assessment Database
- NHS Economic Evaluation Database
- Cochrane Collaboration and Cochrane Collaborative Review Groups.



**Cochrane**  
**Library**

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# Too much information?



# What are systematic reviews?

## Cochrane & Campbell Collaboration definitions

- The process of systematically locating, appraising and synthesising evidence from scientific studies in order to obtain a reliable overview.
  - <http://www.thecochranelibrary.com/view/0/AboutCochraneSystematicReviews.html>
- Aim to find all studies addressing the review's question using an objective and transparent process.
  - [http://www.campbellcollaboration.org/what\\_is\\_a\\_systematic\\_review/](http://www.campbellcollaboration.org/what_is_a_systematic_review/)



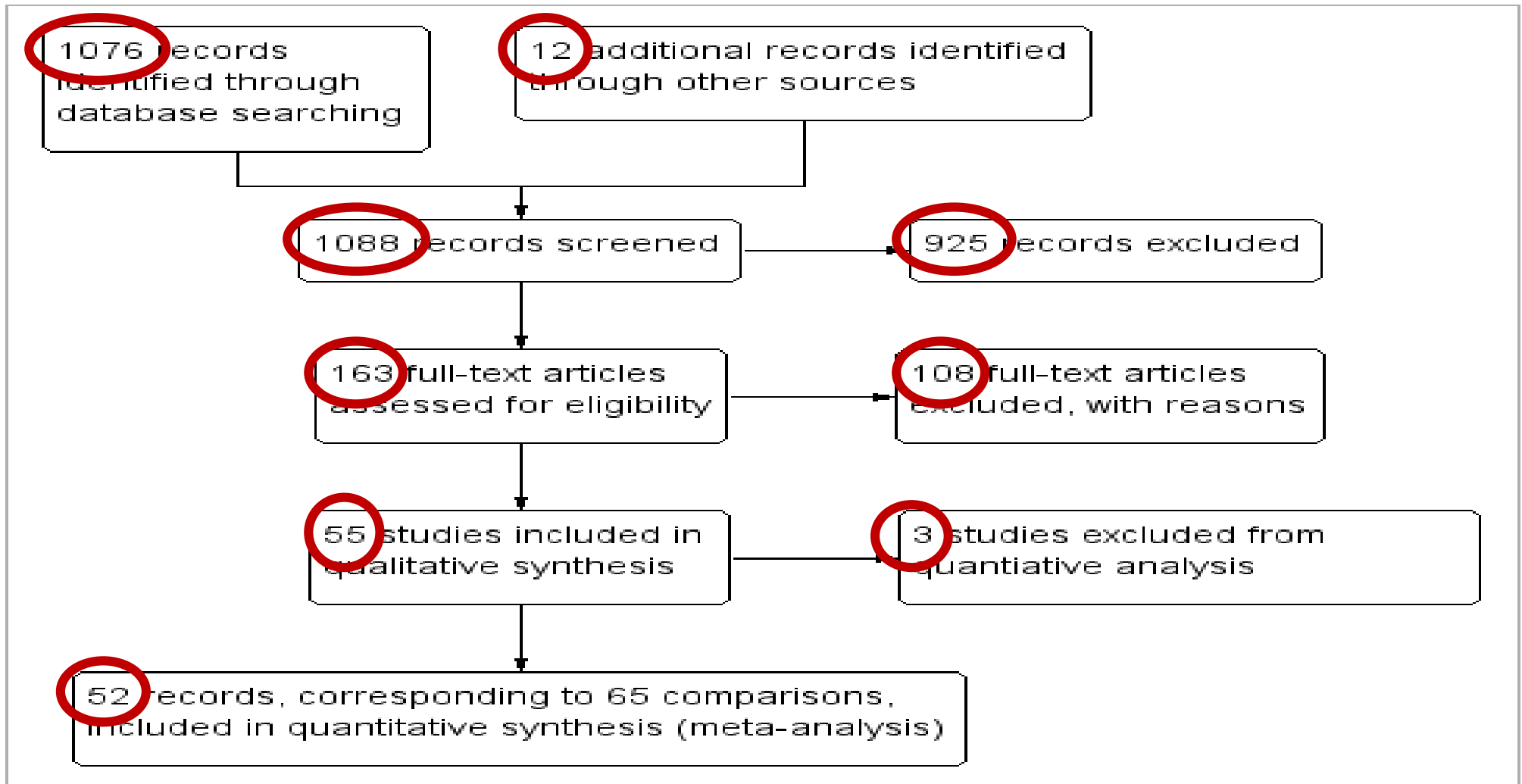


# Why are Cochrane reviews important?

- High methodological standards.
- Ensure efficient use of resources in low-resource settings.
- Increase power and precision in decision making.
- Limit bias and improve accuracy through a global perspective.
- Reduce vast amounts of information to manageable size.



# Cochrane review numbers

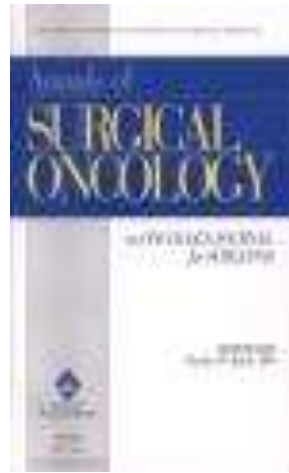


**Mainstream  
Literature**

**Non  
English  
Literature**

**Commercial  
studies**

**Grey Literature**



**Study 1**



**Study 2**



**Study 3**



**Study 4**

**Combined  
Results**      **Meta-Analysis**

# What is in the Cochrane Library?

- Cochrane Database of Systematic Reviews (Cochrane reviews)
- Database of Abstracts of Reviews of Effects (other reviews)
- Central Register of Controlled Trials (clinical trials)
- Cochrane Methodology Register (methods studies)
- Health Technology Assessment Database (technology assessments)
- NHS Economic Evaluation Database (economic evaluations)
- Cochrane Collaboration and Cochrane Collaborative Review Groups.



# The Cochrane Library homepage



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Cochrane Library iPad Edition

Colorectal (27)

Special treatments (66)

Highlighted Cochrane Review

**Helicobacter pylori eradication**

Alexander C Ford, David Forman

785 items matching Cancer

Page: 1 2 3 4 5 6 7 8 9

Treatment of onchocerciasis ('river blindness')

Doxycycline plus ivermectin versus ivermectin alone

Read the review →



MMSE for dementia detection

Read the review →



Back pain: motor control

Read the review →

Highlighted Reviews

Editorials

Special Collections



# Cochrane basic search



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- Cochrane Reviews (14)
  - All
  - Review
  - Protocol
- Other Reviews (8)

Cochrane Database of Systematic Reviews : Issue 1 of 12, January 2016

Issue [updated daily](#) throughout month

There are 14 results from 9243 records for your search on 'glove in Title, Abstract, Keywords in Cochrane Reviews'

Sort by

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- Gloves** , extra **gloves** or special types of **gloves** for preventing percutaneous exposure injuries in healthcare personnel  
Christina Mischke , Jos H Verbeek , Annika Saarto , Marie-Claude Lavoie , Manisha Pahwa and Sharea Ijaz  
Online Publication Date: March 2014

# Cochrane reviews are full text



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Home > Evidence Based Medicine > Evidence-Based Health Care > The Cochrane Library > Abstract

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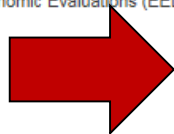
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- Highlighted Reviews
- View Current Issue

## OTHER RESOURCES

- Other Reviews (DARE)
- Search Trials (CENTRAL)
- Methods Studies (CMR)
- Technology Assessments (HTA)
- Economic Evaluations (EED)



Intervention Review

## Gloves, extra gloves or special types of gloves for preventing percutaneous exposure injuries in healthcare personnel

Christina Mischke<sup>1</sup>, Jos H Verbeek<sup>2,7</sup>, Annika Saarto<sup>3</sup>, Marie-Claude Lavoie<sup>4</sup>, Manisha Pahwa<sup>5</sup>, Sharea Ijaz<sup>2</sup>

Database Title The

Editorial Group: [Cochrane Work Group](#)

Published Online: 7 MAR 2014

Assessed as up-to-date: 26 JUN 2013

DOI: 10.1002/14651858.CD009573.pub2

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Am score 84

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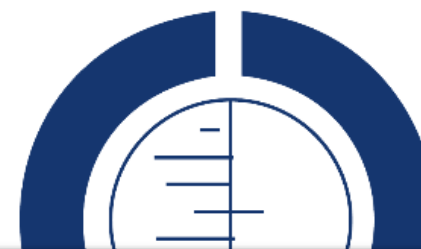
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## Gloves, extra gloves or special types of gloves for preventing percutaneous exposure injuries in healthcare personnel (Review)

Mischke C, Verbeek JH, Saarto A, Lavoie MC, Pahwa M, Ijaz S



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# Cochrane status flags

- All
- Current Issue

- Me** Methodology
- Dx** Diagnostic
- Ov** Overview
- Pg** Prognosis
- Qu** Qualitative

- Cc** Conclusions changed
- Ns** New search
- Mc** Major change
- Up** Update
- Wd** Withdrawn
- Cm** Comment

**Double gloving** to reduce surgical cross-infection  
Judith Tanner and Hazel Parkinson  
Online Publication Date: July 2006

**Ns** **Review**

**Gloves** , gowns and masks for reducing the transmission of meticillin-resistant *Staphylococcus aureus* (MRSA) in the hospital setting  
Jesús López-Alcalde , Marta Mateos-Mazón , Marcela Guevara , Lucieni O Conterno , Ivan Solà , Sheila Cabir Nunes and Xavier Bonfill Cosp  
Online Publication Date: July 2015

**Review**

**Blunt versus sharp suture needles for preventing percutaneous exposure incidents in surgical staff**  
Annika Parvainen , Jeroen H Verbeek , Maria-Claudia Louisa and Manisha Babu  
Online Pub

**Review**

**Routine vaginal examinations for preventing perinatal morbidity and babies at term**  
Soo Downe  
Online Pub

**Review**

**Surgical hand antisepsis for preventing surgical site infections**  
Judith Tanner  
Online Pub

**Review**

## Chinese herbal medicine for oesophageal cancer

Xi Chen, Linyu Deng, Xuehua Jiang, Taixiang Wu

Online Publication Date: January 2016

- New search**
- Conclusions changed**
- Review**
- Intervention**

## Pancreatic amylase in drain fluid for the diagnosis of pancreatic leak in post pancreatic resection

Kurinchi Selvan Gurusamy, Mohammad Yaghoobi, Brian R Davidson

Online Publication Date: December 2015

- New**
- Protocol**
- Diagnostic**



# Researchers' contact information

Medicine > Evidence-Based Health Care > The Cochrane Library > Abstract

Intervention Review

## Active versus expectant management for women in the third stage of labour

Cecily M Begley<sup>1,\*</sup>, Gillian ML Gyte<sup>2</sup>,  
Declan Devane<sup>3</sup>, William McGuire<sup>4</sup>,  
Andrew Weeks<sup>5</sup>

Database Title  
The Cochrane Library

Editorial Group: Cochrane Pregnancy and  
Childbirth Group

Published Online: 2 MAR 2015

Assessed as up-to-date: 30 SEP 2014

DOI: 10.1002/14651858.CD007412.pub4

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Am score 18



Additional Information (Show All)

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Abstract | Article | Figures | Tables | References | Other Versions | Cited By

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Cochrane Database of Systematic Reviews

### Active versus expectant management for women in the third stage of labour

New search | Review | Intervention

Cecily M Begley ✉ Gillian ML Gyte, Declan Devane, William McGuire, Andrew Weeks

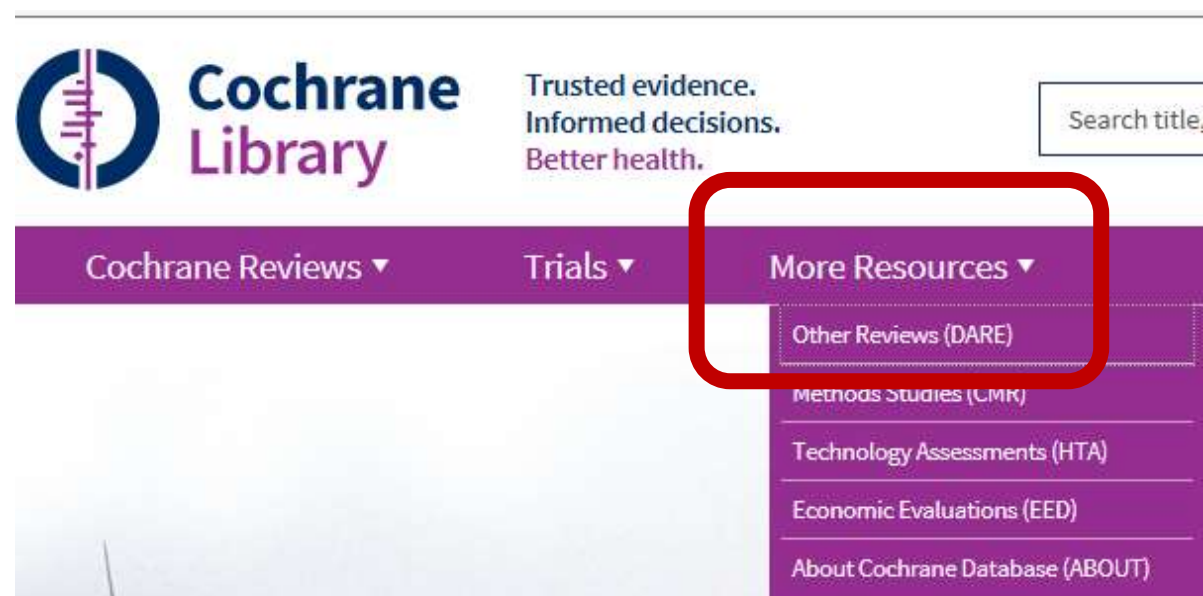
**Corresponding author**

Trinity College Dublin, School of Nursing and Midwifery, Dublin, Ireland

✉ Cecily M Begley, School of Nursing and Midwifery, Trinity College Dublin, 24, D'Olier Street, Dublin, Dublin 2, Ireland. cbegley@tcd.ie.

# Database of Abstracts of Reviews of Effects (DARE)


- Complements Cochrane Reviews by collecting reviews which have not been carried out by the Cochrane Collaboration.
- Each abstract includes a summary of the review together with a critical commentary about the review's overall quality.
- Contains over 7854 reviews.



**Ceased up-dates as of 31 March 2015**

# DARE – abstracts with links to full text when available

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OTHER RESOURCES  
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Long term efficacy of DOTS regimens for tuberculosis: systematic review (Structured abstract)

Centre for Reviews and Dissemination

*Database of Abstracts of Reviews of Effects* 2015 Issue 2  
Copyright © 2015 University of York. Published by John Wiley & Sons, Ltd.

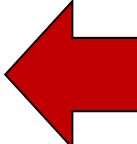
Original article: Cox H S, Morrow M, Deutschmann P W. Long term efficacy of DOTS regimens for tuberculosis: systematic review. *BMJ* 2008;336:484. [Links](#)

**Funding**

Australian National Health and Medical Research Council.

**URL for original research**

<http://www.bmj.com/content/336/7642/484>



Long term efficacy of DOTS regimens for tuberculosis: systematic review (Structured abstract)

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- [Data extraction](#)
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## Research

### Long term efficacy of DOTS regimens for tuberculosis: systematic review

*BMJ* 2008 ; 336 doi: <http://dx.doi.org/10.1136/bmj.39463.640787.BE> (Published 28 February 2008)

Cite this as: *BMJ* 2008;336:484

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*Helen S Cox, PhD scholar*<sup>1</sup>, *Martha Morrow, research coordinator*<sup>1</sup>, *Peter W Deutschmann, executive director*<sup>1</sup>

[Author affiliations](#) ▾

Correspondence to: H S Cox, Macfarlane Burnet Institute for Medical Research and Public Health, Melbourne, VIC 3004, Australia [hcox@burnet.edu.au](mailto:hcox@burnet.edu.au)



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# Cochrane Central Register of Controlled Trials



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Search trials (CENTRAL)

About CENTRAL



- Includes details of published articles taken from bibliographic databases and other published resources.
- Records include the title of the article, information on where it was published and, in many cases, the abstract.



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Clear Clear Lists

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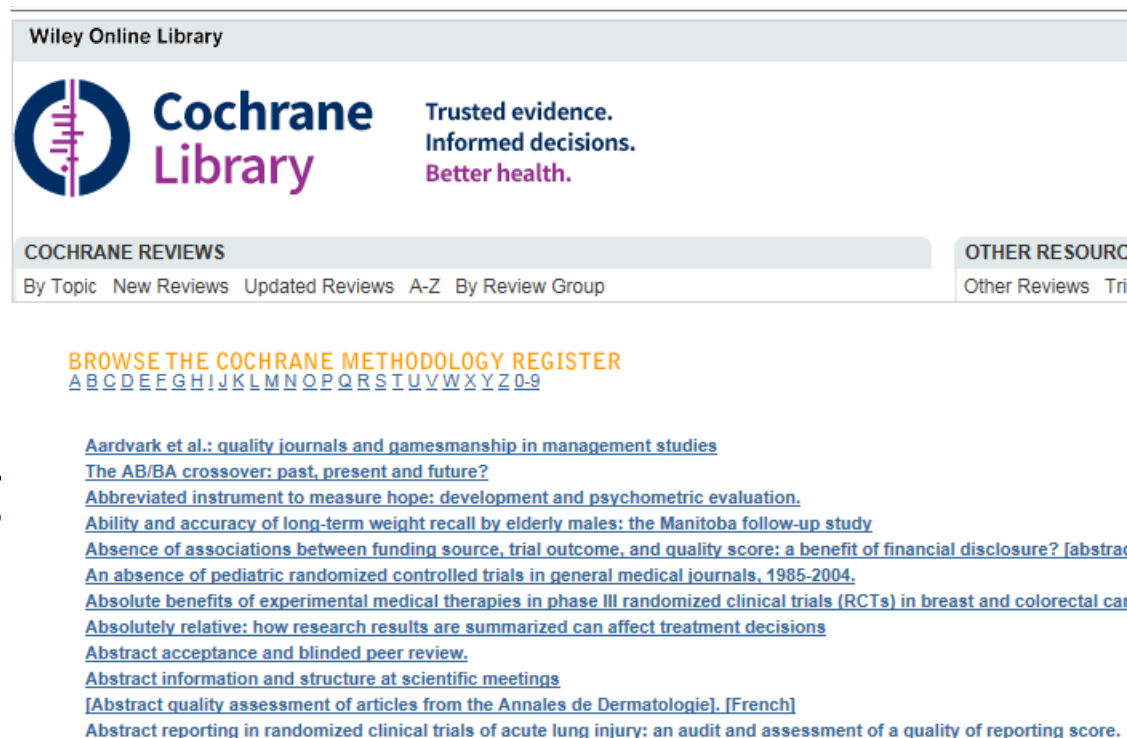
# Grey literature and unique content

*The Cochrane Central Register of Controlled Trials (CENTRAL)* 2011 Issue 10  
Copyright © 2011 The Cochrane Collaboration. Published by John Wiley & Sons, Ltd.


Title	Reductions in HIV risk among runaway youths <a href="#">Links</a> <a href="#">Export Central Citation</a>
Author(s)	Rotheram-Borus MJ, Van Rossem R, Gwadz M, Koopman C, Lee M
Date of Publication	1997
Publisher Name	University of California, Department of Psychiatry, Division of Social and Community Psychiatry
City of Publication	Los Angeles, CA
Correspondence Address	University of California, Department of Psychiatry, Division of Social and Community Psychiatry, Los Angeles, CA
Cochrane Group Code	<a href="#">SR-CHILD</a>
ID	CN-00614346

# Cochrane Methodology Register

- Method studies.
- Bibliography of publications that report on methods used for executing systematic reviews.
- Includes journals articles, books, conference proceedings and articles from hand searches.



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By Topic New Reviews Updated Reviews A-Z By Review Group

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[Aardvark et al.: quality journals and gamesmanship in management studies](#)  
[The AB/BA crossover: past, present and future?](#)  
[Abbreviated instrument to measure hope: development and psychometric evaluation.](#)  
[Ability and accuracy of long-term weight recall by elderly males: the Manitoba follow-up study](#)  
[Absence of associations between funding source, trial outcome, and quality score: a benefit of financial disclosure? \[abstract\]](#)  
[An absence of pediatric randomized controlled trials in general medical journals, 1985-2004.](#)  
[Absolute benefits of experimental medical therapies in phase III randomized clinical trials \(RCTs\) in breast and colorectal cancer](#)  
[Absolutely relative: how research results are summarized can affect treatment decisions](#)  
[Abstract acceptance and blinded peer review.](#)  
[Abstract information and structure at scientific meetings](#)  
[\[Abstract quality assessment of articles from the Annales de Dermatologie\]. \[French\]](#)  
[Abstract reporting in randomized clinical trials of acute lung injury: an audit and assessment of a quality of reporting score.](#)

# Links point to full text

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### *The Cochrane Methodology Register (CMR) 2011 Issue 2*

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Title	Effectiveness of different databases in identifying studies for systematic reviews: experience from the WHO systematic review and mortality. <a href="#">Links</a> <a href="#">Export Citation</a>
Author(s)	Betran AP, Say L, Gulmezoglu AM, Allen T, Hampson L
Source	BMC Medical Research Methodology
Date of Publication	2005
Volume	5
Issue	1
Pages	6
Abstract	BACKGROUND: Failure to be comprehensive can distort the results of a systematic review. Conversely, extensive searches may yield unmanageable number of citations of which Knowledge of usefulness of each source of information may help to tailor search strategies in systematic reviews. METHODS: We conducted a systematic review of prevalence/inc morbidities from 1997 to 2002. The search strategy included electronic databases, hand searching, screening of reference lists, congress abstract books, contacting experts active developed countries. We evaluated the effectiveness of each source of data and discuss limitations and implications for future research on this topic. RESULTS: Electronic databa citations of which 2093 were included. Additionally 487 citations were included from other sources. MEDLINE had the highest yield identifying about 62% of the included citations.







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## HIV infection detection quick test (Structured abstract)

- [Record status](#)
- [Authors' conclusions](#)
- [URL for original research](#)
- [Language](#)
- [Original language title](#)
- [Address for correspondence](#)
- [CRD database number](#)
- [Index terms](#)
- [Export Citation](#)

## HIV infection detection quick test (Structured abstract)

G Oliva, M Almazan, M Guillen

*Health Technology Assessment Database* 2016 Issue 1

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**Original article:**Oliva G, Almazan M, Guillen M. *HIV infection detection quick test*. Barcelona: Catalan Agency for Health Technology Assessment and Research (CAHTA), 2009.

[< Previous](#)

### Record status

This is a bibliographic record of a published health technology assessment from a member of INAHTA. No evaluation of the quality of this assessment has been made for the HTA database.

### Authors' conclusions

No clinical practice guidelines or recommendations on the use of quick detection tests of HIV infections of good methodological quality were found. The results of this review suggest that the HIV quick detection test could be useful in direct access programs in populations with HIV infection risk that are not



# Cochrane review groups



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Antia detection

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Back pain: motor control

Read the review →

**Cochrane Review Group**

**Co-ordinating Editor(s)**

**Acute Respiratory Infections**

Prof Chris Del Mar, Bond University, Australia

**Airways**

Dr Chris Cates, St George's, University of London, UK



## How to contact us

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The main point of contact for the Pregnancy and Childbirth is the Managing Editor:

Frances Kellie

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MMSE for dementia detection

Read the review



Back pain: motor control



Treatment of onchocerciasis ('river blindness')

Doxycycline plus ivermectin versus ivermectin alone



# Advanced search features

## Include:

- **Boolean logic (AND, OR, NOT etc.)**
- **Proximity Operators (NEAR, NEXT)**
- **Searching using MeSH headings**
- **Using truncation**
- **Combining search sets.**





# Medical Subjects Heading (MeSH) search



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Search      Search Manager      **Medical Terms (MeSH)**      Browse

HIV Infections      Select subheadings / qualifiers      **Lookup**      **Clear**

[Search Help](#)

### Definition

**HIV Infections** - Includes the spectrum of human immunodeficiency virus infections that range from asymptomatic seropositivity, thru AIDS-related complex (ARC), to acquired immunodeficiency syndrome (AIDS).

---

### Thesaurus matches

**Exact Term Match**

**HIV Infections**  
Synonyms: HIV Infection.

**Phrase Matches**

**HIV Infections**  
Synonyms: HIV Infection; Infection, HIV; Infections, HIV; HTLV-III-LAV Infections; HTLV III LAV Infections; HTLV-III-LAV Infection; Infection, HTLV-III-LAV; Infections, HTLV-III-LAV; T-Lymphotropic Virus Type III Infections, Human; T Lymphotropic Virus Type III Infections, Human; HTLV-III Infections; HTLV III Infections; HTLV-III Infection; Infection, HTLV-III; Infections, HTLV-III.

### MeSH trees

MeSH term - HIV Infections

- Explode all trees
- Single MeSH term (unexploded)
- Explode selected trees

**Select**

Use the checkbox next to each tree to explode selected trees

- Tree Number 1**
- Virus Diseases [+20]
  - RNA Virus Infections [+17]
    - Retroviridae Infections [+7]
      - Lentivirus Infections [+6]
        - Equine Infectious Anemia
        - Pneumonia, Progressive Interstitial, of Sheep
        - HIV Infections [+10]

### Search results

There are **8390** results for your search on

- MeSH descriptor: [HIV Infections]
- explode all trees

**Save search**      [Add to Search Manager](#)

Cochrane Reviews	123
Other Reviews	470
Trials	7083
Methods Studies	0
Technology Assessments	86
Economic Evaluations	628
Cochrane Groups	0

**View Results**



# Begin with a clear question - PICO

- **P**atient, population, or problem
- **I**ntervention
- **C**omparison
- **O**utcome desired or to be measured.

Does evidence exist to support the use of Kangaroo mother care in Low birth weight infants as an alternative to conventional care after the initial period of stabilization with conventional care?



## Mainstream literature

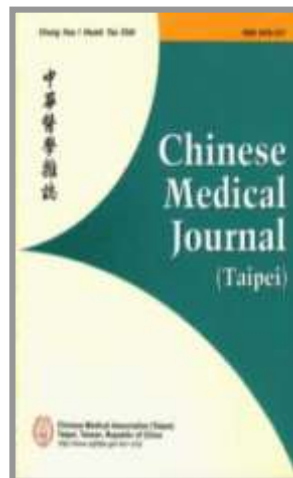
## Non-English literature

## Commercial studies

## Grey literature



Study 1



Study 2



Study 3



Study 4

Combined results  
meta-analysis





# Systematic review search steps

1. Determine if a systematic review has been done on the question.
2. If the review is old, contact authors about update collaboration.
3. If no reviews, check for protocols and collaboration opportunities.
4. If no reviews or protocols, look for researchers and contact for possible collaboration.
5. If steps 1-4 return nothing, mine Cochrane for search strategies and resources to search, electronic and otherwise.
6. Execute a comprehensive systematic search.
7. Through every step, document the search process.



# Where to find search strategies

## Search methods for identification of studies

Electronic searches were undertaken in CENTRAL/CCT, PubMed (2001 onwards), EMBASE, AIDSLINE, LILACS, OR chlorhexidine OR "vaginal antisept\*-creams-foams-gel OR labour OR labor OR birth OR intrapartum OR delivery (Lefebvre 2000; Higgins 2005), as appropriate. The method "controlled clinical trial" [pt] OR "randomized controlled trial blind method" [mh] OR "clinical trial" [pt] OR "clinical trial OR tripl\* [tw]) AND (mask\* [tw] OR blind\* [tw])) OR (latin volunteer\* [tw] OR "research design" [mh:noexp]) NOT (OR RANDOMIZED-CONTROLLED-TRIAL (DE) OR trial versus OR MULTICENTER-STUDY (DE) OR assign\* OF CLINICAL-TRIAL (DE) OR INTERMETHOD-COMPARISON articles" feature of PubMed was also used.

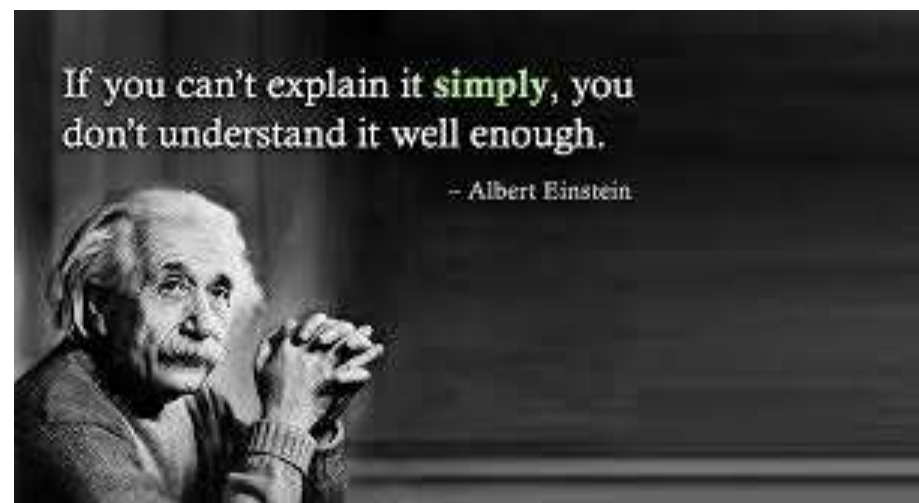
The above search strategy was supplemented by search International Conference on AIDS, the Conference on Research the Prevention of HIV Transmission From Mothers to Infants, organisations, academic centres, and pharmaceutical companies (or not) that may not have been included in the electronic searches. Letters to the editor were also scrutinised for any additional search.

## Appendix 1. Search strategies 2010

Database	Period of search	Search strategy
EMBASE	1974 to September 2010	<p><b>#6 #5 AND [humans]/lim AND [embase]/lim</b></p> <p><b>#5 #3 AND #4</b></p> <p><b>#4 [randomized controlled trial]/lim OR [controlled clinical trial]/lim OR random* OR 'double blind' OR 'single blind' OR (singl* OR doubl* OR trebl* OR tripl* AND (blind* OR mask*)) OR 'single blind procedure'/exp OR 'double blind procedure'/exp OR 'triple blind procedure'/exp OR placebo* OR 'controlled study'/exp OR 'cross sectional study'/exp OR 'crossover procedure'/exp OR 'latin square design'/exp OR 'follow up'/exp OR 'comparative study'/exp OR 'evaluation studies'/exp OR 'evaluation study' OR prospectiv* OR volunteer*]</b></p> <p><b>#3 #1 AND #2</b></p> <p><b>#2 'health care personnel'/exp OR 'health care personnel' OR 'health care worker'/exp OR 'health care worker' OR 'health care workers' OR 'health care facilities and services'/exp OR 'medical profession'/exp OR 'nursing as a profession'/exp OR ('virus transmission'/exp AND 'patient'/exp AND professional)</b></p> <p><b>#1 'needlestick injury'/exp OR needlestick* OR 'needle stick'/exp OR 'sharp injury' OR 'sharp injuries' OR 'sharp medical' OR 'sharp instrument' OR 'sharp needle' OR 'sharp needles' OR sharps OR 'percutaneous exposure' OR 'percutaneous injury' OR 'percutaneous injuries' OR 'percutaneous trauma' OR 'stick injury' OR 'stick injuries' OR 'stab wound'/exp OR 'face injury'/de OR 'eye injury'/de OR 'arm injury'/de OR 'hand</b></p>

# Our question

What are policy guidelines for improving health worker access to prevention, treatment and care services for HIV and TB?



# Provisional abstract?



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Log in / Register

Search	Search Manager	Medical Terms (MeSH)	Browse
<input type="text" value="Title, Abstract, Keywords"/>			
<input type="text" value="tuberculosis AND HIV and health personnel"/>			
<a href="#">Search Limits</a>	<a href="#">Search Help</a>	(Word variations have been searched)	<a href="#">Add to Search Manager</a>
<input type="button" value="Clear"/>			<input type="button" value="Go"/> <input type="button" value="Save"/>

All Results (8)

- Cochrane Reviews (0)
  - All
  - Review
  - Protocol
- Other Reviews (1)
- Trials (7)
- Methods Studies (0)
- Technology Assessments (0)
- Economic Evaluations (0)
- Cochrane Groups (0)

Database of Abstracts of Reviews of Effect : Issue 2 of 4, April 2015

There is **1** result from 36795 records for your search on 'tuberculosis AND HIV and health personnel in Title, Abstract, Keywords in Other Reviews'

Sort by

[Select all](#) | [Export all](#) | [Export selected](#)

- Workplace programmes for **HIV** and **tuberculosis** : a systematic review to support development of international guidelines for the **health** workforce (Provisional abstract)  
Centre for Reviews and Dissemination  
Original Author(s): Yassi A , O'Hara LM , Lockhart K and Spiegel JM  
AIDS Care, 2013, 25(5), 525-543

# How to find systematic reviews in PubMed

<http://www.ncbi.nlm.nih.gov/pubmed/clinical>

NCBI Resources How To

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

PubMed  Search

Advanced



## PubMed

PubMed comprises more than 25 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.

## PubMed COMMONS



Featured comment - Jan 27  
Uncertainty & cancer risk-reducing  
Research Centre Journal Club dis  
[1.usa.gov/1OXfbpV](http://1.usa.gov/1OXfbpV)

### Using PubMed

[PubMed Quick Start Guide](#)

[Full Text Articles](#)

[PubMed FAQs](#)

[PubMed Tutorials](#)

[New and Noteworthy](#)

### PubMed Tools

[PubMed Mobile](#)

[Single Citation Matcher](#)

[Batch Citation Matcher](#)

[Clinical Queries](#)

[Topic-Specific Queries](#)

### More Resources

[MeSH Database](#)

[Journals in NCBI Databases](#)

[Clinical Trials](#)

[E-Utilities \(API\)](#)

[LinkOut](#)





# How to find systematic reviews in PubMed

<http://www.ncbi.nlm.nih.gov/pubmed/clinical>

NCBI Resources ▾ How To ▾

My NCBI Sign Out

## PubMed Clinical Queries

Search  Search Clear

Results of searches on this page are limited to specific clinical research areas. For comprehensive searches, [PubMed](#) directly.

### Clinical Study Categories

Category:

Therapy ▾

Scope:

Broad ▾

#### Sample Results of Clinical Study Category Query

[Filter](#) citations to a specific clinical study category and scope. These search filters were developed by [Haynes RB et al.](#)

### Systematic Reviews

#### Sample Results of Systematic Reviews Query

[Filter](#) citations for systematic reviews, meta-analyses, reviews of clinical trials, evidence-based medicine, consensus development conferences, and guidelines. See [related sources](#).

### Medical Genetics

Topic: All ▾

#### Sample Results of Medicinal Genetics Query

[Filter](#) citations to topics in medical genetics.



# How to find systematic reviews in PubMed

<http://www.ncbi.nlm.nih.gov/pubmed/clinical>

## PubMed Clinical Queries

Results of searches on this page are limited to specific clinical research areas. For comprehensive searches, use [PubMed](#) directly.

male circumcision Search

**Clinical Study Categories**

Category:  ▼

Scope:  ▼

---

**Results: 5 of 1979**

Psychosocial Results from a Phase I Trial of a Nonsurgical Circumcision Device for Adult Men in Zimbabwe.

Kasprzyk D, Montaño DE, Hamilton DT, Down KL, Marrett KD, Tshimanga M, Xaba S, Mugerungi O.

AIDS Patient Care STDS. 2016 Jan; 30(1):25-33.

---

Male circumcision to prevent syphilis in 1855 and HIV in 1986 is supported by the accumulated scientific evidence to 2015: Response to Darby.

Morris BJ, Wamai RG, Krieger JN, Banerjee J, Klausner JD.

Glob Public Health. 2015 Nov 13; :1-19. Epub 2015 Nov 13.

---

Pediatric sutureless circumcision: an effective and cost efficient alternative.

Voznesensky M, Mutter C, Hayn M, Kinkead T, Jumper B.

Clin Infect Dis. 2015 Oct 1; 61(7):1005-8.

---

**Systematic Reviews**

**Results: 5 of 166**

Surgical care by non-surgeons in low-income and middle-income countries: a systematic review.

Hoyler M, Hagander L, Gillies R, Riviello R, Chu K, Bergström S, Meara Lancet. 2015 Apr 27; 385 Suppl 2:S42. Epub 2015 Apr 26.

---

Association of male circumcision with risk of prostate cancer: meta-analysis.

Pabalan N, Singian E, Jarjanazi H, Paganini-Hill A.

Prostate Cancer Prostatic Dis. 2015 Dec; 18(4):352-7. Epub 2015 Jul 28.

---

Rethinking HIV prevention to prepare for oral PrEP implementation for young African women.

Celum CL, Delany-Moretwe S, McConnell M, van Rooyen H, Bekker LG, Kurth A, Bukusi E, Desmond C, Morton J, Baeten JM.

J Int AIDS Soc. 2015; 18(4 Suppl 3):20227. Epub 2015 Jul 20.

---

**Cochrane Results**

- All Results (391)
- Cochrane Reviews (8)
- All
- Review
- Protocol
- Other Reviews (15)
- Trials (227)
- Methods Studies (3)
- Technology Assessments (2)
- Economic Evaluations (26)
- Cochrane Groups (0)
- All
- Current Issue

Song ZF, Liu D, Peng Y, Liu Z, Zhang Z, Ning P, Hu Y. Zhonghua Shao Shang Za Zhi. 2014 Aug; 30(4):344-8.



# Major concepts

- HIV infections
- Health care workers
- Tuberculosis
- Prevention and treatment
- Low-income countries
- Policy guidelines.












# First concept – HIV infections

**Table 1.** Search Strategies for Electronic Databases

Database	Years Searched	Strategy	Total Records
ADOLEC	Inception-2007	<p>Inception - 2005, Total Records Retrieved: 504                      Search terms: ABSTINENCE [Words] and SEX [Words] and HIV [Words], SEX [Words] and POSTPONE [Words] or ABSTAIN [Words], VIRGIN [Words] or CHASTITY [Words] or CELIBATE [Words], SEX [Words] and EDUCATION [Words] and HIV [Words]. Examined all records.</p> <p>2005-2007, Total Records Retrieved: 87                      Search terms: sex and education [Palavras] and hiv [Palavras] and 2005 or 2006 or 2007 [Pais, ano de publicação], abstain and sex, abstain and sex and hiv, postpone and sex, virgin or chaste or chastity or celibate. Examined all records.</p>	591
AIDSLINE	1980-2007	<p>1980-2005, Total Unique Records Retrieved: 1450                      #1 PT=RANDOMIZED CONTROLLED TRIAL                      #2 PT=CONTROLLED CLINICAL TRIAL                      #3 RANDOMIZED CONTROLLED TRIALS                      #4 RANDOM ALLOCATION                      #5 DOUBLE BLIND METHOD                      #6 SINGLE BLIND METHOD                      #7 PT=CLINICAL TRIAL                      #8 CLINICAL TRIALS OR CLINICAL TRIALS, PHASE I OR CLINICAL TRIALS, PHASE II OR CLINICAL TRIALS, PHASE III OR CLINICAL TRIALS, PHASE IV OR</p>	1465

-  PDF
-  Info
-  References
-  Figures
-  Tables

 Text size
  Share
  Content

- Abstract
- Background
- Objectives
- Methods
- Results
- Discussion
- Authors' conclusions
- Acknowledgements
- Data and analysis
- What's new
- History
- Contributions of authors
- Declarations of interest
- Sources of support

# HIV search

HIV Infections[MeSH] OR HIV[MeSH] OR hiv[tw] OR hiv-1\*[tw] OR hiv-2\*[tw] OR hiv1[tw] OR hiv2[tw] OR hiv infect\*[tw] OR human immunodeficiency virus[tw] OR human immunodeficiency virus[tw] OR human immuno-deficiency virus[tw] OR human immune-deficiency virus[tw] OR ((human immun\*) AND (deficiency virus[tw])) OR acquired immunodeficiency syndrome[tw] OR acquired immunodeficiency syndrome[tw] OR acquired immunodeficiency syndrome[tw] OR acquired immune-deficiency syndrome[tw] OR ((acquired immun\*) AND (deficiency syndrome[tw])) OR "Sexually Transmitted Diseases, Viral"[MeSH:NoExp]



# Second concept – health personnel



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Log in / Register

Search      Search Manager      Medical Terms (MeSH)      Browse

[Search Limits](#)      [Search Help](#)      (Word variations have been searched)      [Add to Search Manager](#)

**Influenza vaccination for healthcare workers who care for people aged 60 or older living in long-term care institutions**  
Roger E Thomas , Tom Jefferson and Toby J Lasserson  
Online Publication Date: July 2013

- Review
- Protocol
- Other Reviews (197)
- Trials (4258)
- Methods Studies (27)
- Technology Assessments (68)
- Economic Evaluations (136)
- Cochrane Groups (0)

Pages [1 - 25](#) | [26 - 50](#) | [51 - 75](#) | [76 - 100](#) | [101 - 108](#)

Sort by

[Select all](#) | [Export all](#) | [Export selected](#)

**The psychological effects of the physical healthcare environment on healthcare personnel**  
Karin Tanja-Dijkstra and Marcel E Pieterse  
Online Publication Date: January 2011

All

Interventions for hiring, retaining and training district **health** systems managers in low- and middle-income countries

# Health care workers (OVID interface)

- 14 exp Health Personnel/
- 15 (health personnel or healthcare personnel or health care personnel).mp.
- 16 (health worker\$ or healthcare worker\$ or health care worker\$).mp.
- 17 (healthcare provider\$ or health care provider\$).mp.
- 18 (health practitioner\$ or healthcare practitioner\$ or health care practitioner\$).mp.
- 19 health employee\$.mp.
- 20 medical staff.mp.
- 21 (doctor\$ or physician\$).mp.
- 22 (allied health adj (staff or personnel)).mp.
- 23 paramedic\$.mp.
- 24 nursing staff.mp.
- 25 nurse\$.mp.
- 26 nursing auxiliar\$.mp.
- 27 hospital personnel.mp.
- 28 hospital staff.mp.
- 29 hospital worker\$.mp.



# OVID to PubMed translator

<https://www.dropbox.com/s/vtvqqli708jrhm6/PubMedOVIDTranslator.pdf?dl=0>

## PUBMED/OVID Advanced Search Techniques Comparison

<b>PubMed Technique</b>	<b>OVID Technique</b>	<b>OVID Comments</b>
<i>holistic [tw]</i>	<i>holistic.tw. holistic.ti. holistic.mp.</i>	<i>tw = textword; ti = title word; mp = title + abstract + chem fields See table of field codes for all options; use dot-dot style.</i>
<i>work*</i>	<i>work: work? work:1</i>	<i>Truncation symbols (":" or "\$") allow numeric limiting for number of characters to following word. Without a number, they are open-ended.</i>
<i>work*</i>	<i>work#r</i>	<i>Internal truncation single place, not available in PubMed.</i>
<i>liver [mh] OR bladder [mh]</i>	<i>Liver/ or Bladder/ or/1-2</i>	<i>Boolean operators include AND, OR, NOT. May be applied within string, or may be used at head of string with forward slash followed by set numbers of prior search sets. Capitalization optional.</i>
<i>"bone morphogenetic" [tw]</i>	<i>"bone morphogenetic".mp.</i>	<i>Phrase searching in OVID is term order dependent. (NOTE: Pubmed lacks true phrase searching.)</i>
	<i>(filled adj3 teeth).mp.</i>	<i>Adjacency operators can also use numbers to specify the range of adjacency. No adjacency operators available in PUBMED. Term ordering not valid with these.</i>

# Conversion of OVID to PubMed

"Health Personnel" [MeSH] OR "health personnel" [all fields] OR "healthcare personnel"[all fields] OR "health care personnel"[all fields] OR "health worker"[all fields] OR "health workers"[all fields] OR "healthcare worker"[all fields] OR "healthcare workers"[all fields] OR "health care worker"[all fields] OR "healthcare provider"[all fields] OR "healthcare providers"[all fields] OR "health care provider"[all fields] OR "health practitioners"[all fields] OR "healthcare practitioner"[all fields] OR "health care practitioner"[all fields] OR "health care practitioners"[all fields] OR "health employee"[all fields] OR "health employees"[all fields] OR "medical staff"[all fields] OR doctor[all fields] OR doctors[all fields] OR physician\*[all fields] OR ("allied health"[all fields] AND ("staff"[all fields] OR personnel[all fields])) OR paramedics\*[all fields] OR "nursing staff"[all fields] OR nurse[all fields] OR nurses[all fields] OR "nursing auxiliary"[all fields] OR "hospital personnel"[all fields] OR "hospital staff"[all fields] OR "hospital worker"[all fields] OR "hospital workers"[all fields]





# Another concept – low-income countries



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Log in / Register

Search Search Manager Medical Terms (MeSH) Browse

+ Title, Abstract, Keywords low income countries Save

**The impact of contracting out on health outcomes and use of health services in low and middle-income countries**

Mylene Lagarde and Natasha Palmer  
Online Publication Date: October 2009

Review

Not all searches are equal.

- Review
- Protocol
- Other Reviews (6)
- Trials (415)
- Methods Studies (58)
- Technology Assessments (0)
- Economic Evaluations (12)
- Cochrane Groups (0)

Pages 1 - 25 | 26 - 50 | 51 - 75 | 76 - 100 | 101 - 125 | Next

Select all | Export all | Export selected

Sort by Relevance: high to low

**The effect of pharmacist-provided non-dispensing services on patient outcomes, health service utilisation and costs in low - and middle-income countries**

Sami Pande , Janet E Hiller , Nancy Nkansah and Lisa Bero  
Online Publication Date: February 2013

Review



# Low-income countries

"Developing countries"[MeSH] OR "Africa"[MeSH] OR  
"Central America"[MeSH] OR "South America"[MeSH] OR  
"Latin America"[MeSH] OR "Mexico"[MeSH] OR  
"Asia"[MeSH] OR "Commonwealth of Independent  
States"[MeSH] OR "Pacific Islands"[MeSH] OR "Indian  
Ocean Islands"[MeSH] OR "Europe, Eastern"[MeSH]



# Filters – reusable recipes for success

- Filters are validated search blocks.
- They can be for various search aspects:
  - Publication specifics (Language, publication type, period)
  - Geographical areas (LMIC, WHO regions)
  - Diseases (HIV infections, diabetes)
  - Study designs (clinical queries, randomized controlled trials)
  - Broad topic subject topics (primary healthcare, patient safety).
- We use them to build on the work of others.



# Cochrane Library not the only source



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Cochrane Library | Cochrane.org | Admin



News

About us

Our evidence

Resources

Get involved

Satellites

## LMIC Filters

- ◆ Australasian satellite
- ◆ French satellite
- ◆ Italian satellite
- ◆ Norwegian satellite
  - ◆ Scope of our work
  - ◆ Funding and Support
  - ◆ LMIC resources
    - ◆ LMIC databases

Filters for MEDLINE (Ovid), EMBASE (Ovid), PubMed and CENTRAL (Web) to help identify studies relevant to LMIC.

Filters are based on the World Bank list of countries (2009), classified as low-income, lower-middle-income or upper-middle-income economies: <http://data.worldbank.org/about/country-classifications>.

As yet, none of the filters have been tested for sensitivity and precision.

[View LMIC Filters 2012](#)



# Other filter sources

- InterTASC Information Specialists' Sub-Group Search Filter Resource
- Cindy Schmidt's PubMed search strategies blog
- University of Pittsburgh Health Sciences Library System's database called MedTerm Search Assist
- The Royal Dutch Society for Information Professional's Department of Biomedical Information's website
- Norway's Helsebiblioteket.



# InterTASC Information Specialists' Sub-Group (ISSG)

<https://sites.google.com/a/york.ac.uk/issg-search-filters-resource/home>

**ISSG Search Filters Resource**

Home page  
What is the ISSG Search Filter Resource?  
Search Filters by Study Design  
Critical Appraisal of Search Filters  
Investigating the Impact of Search Filters  
Methods of Developing Search Filters  
Surveys of Search Filter Performance  
Search Strategy Blogs and Discussion Lists  
Timeline  
Recent site activity

## The InterTASC Information Specialists' Sub-Group Search Filter Resource

The [InterTASC Information Specialists' Sub-Group \(ISSG\)](#) is the group of information professionals supporting research groups within England and Scotland providing technology assessments to the [National Institute for Health and Care Excellence \(NICE\)](#) and other associated Information Specialists.

The InterTASC Information Specialists' Sub-Group Search Filter Resource is a collaborative venture to identify, assess and test search filters designed to retrieve research by study design or focus. The [Search Filter Resource](#) aims to provide easy access to published and unpublished search filters. It also provides information and guidance on how to critically appraise search filters, study design filters in progress and information on the development and use of search filters. Inclusion of a search filter is not an endorsement of its validity or a recommendation.

The editorial team comprises Julie Glanville (York Health Economics Consortium), Carol Lefebvre (Lefebvre Associates Ltd) and Kath Wright (Centre for Reviews and Dissemination).

Monthly update searches are undertaken to identify search filters for the Resource.

The search filters are grouped by study design or focus:

- Adverse events
- Diagnostic studies
- Economic evaluations
- Epidemiological studies
- Etiology
- Guidelines
- Health services research
- Non-randomized studies
- Observational studies
- Outcome studies
- Progress
- Public views
- Qualitative research
- Quality of life
- RCTs and other trials
- Systematic reviews
- Therapy studies
- Other filters

Information on issues relating to search filters can be found at the following pages:

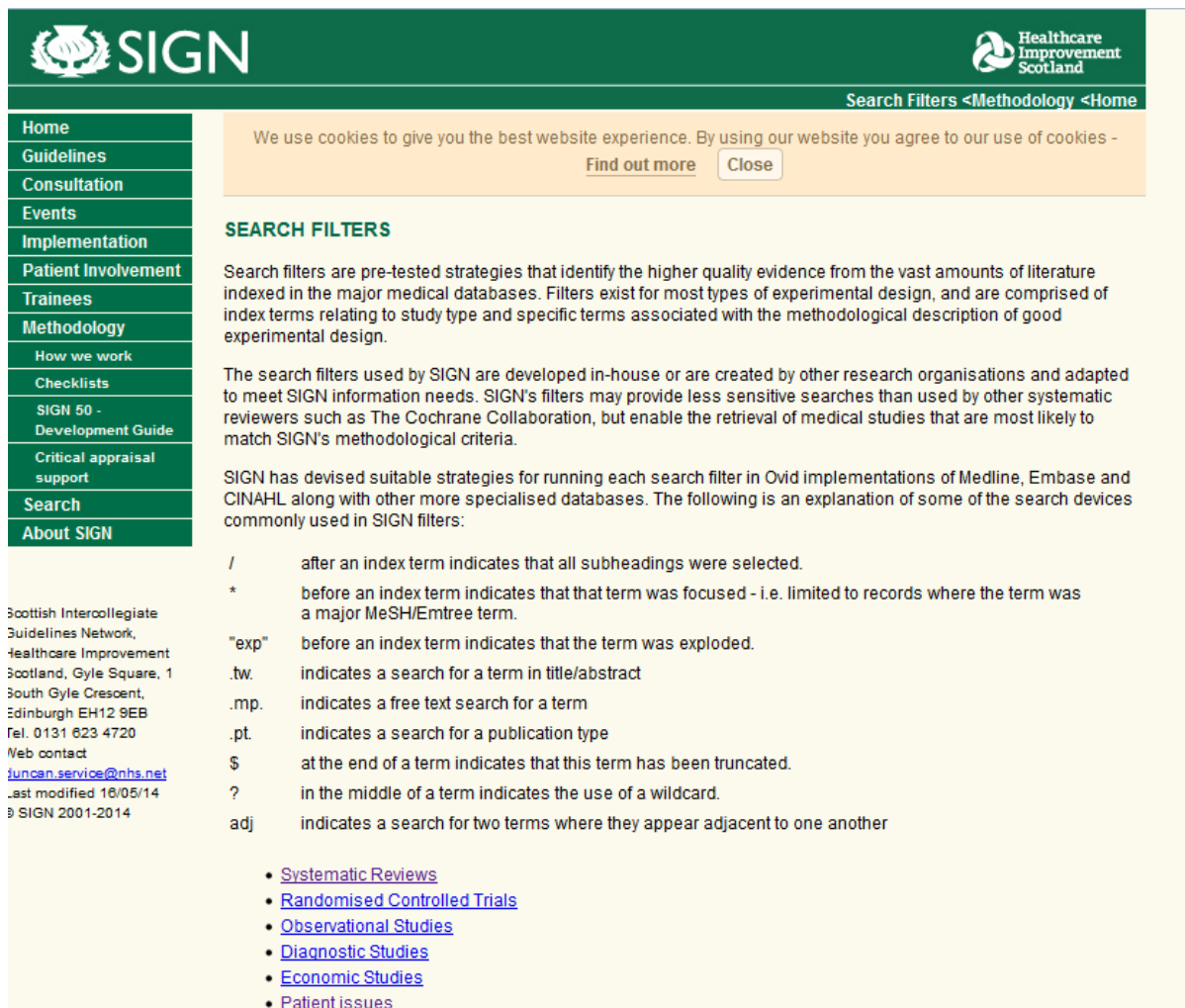
- Critical appraisal of search filters
- Filter methods

- Filters by study design
  - Adverse events
  - Economic evaluations
  - Guidelines
  - Health services research, etc.
- Information about filter issues
  - Filter critical appraisals
  - Surveys of performance
  - Blogs, etc.



# Scottish Intercollegiate Guidelines Network (SIGN)

<http://www.sign.ac.uk/methodology/filters.html#patient>



The screenshot shows the SIGN website's methodology filters page. At the top, there is a green header with the SIGN logo and the Healthcare Improvement Scotland logo. Below the header is a navigation menu with links to Home, Guidelines, Consultation, Events, Implementation, Patient Involvement, Trainees, Methodology, How we work, Checklists, SIGN 50 - Development Guide, Critical appraisal support, Search, and About SIGN. A cookie consent banner is visible, stating: "We use cookies to give you the best website experience. By using our website you agree to our use of cookies - Find out more Close". The main content area is titled "SEARCH FILTERS" and contains the following text:

SEARCH FILTERS

Search filters are pre-tested strategies that identify the higher quality evidence from the vast amounts of literature indexed in the major medical databases. Filters exist for most types of experimental design, and are comprised of index terms relating to study type and specific terms associated with the methodological description of good experimental design.

The search filters used by SIGN are developed in-house or are created by other research organisations and adapted to meet SIGN information needs. SIGN's filters may provide less sensitive searches than used by other systematic reviewers such as The Cochrane Collaboration, but enable the retrieval of medical studies that are most likely to match SIGN's methodological criteria.

SIGN has devised suitable strategies for running each search filter in Ovid implementations of Medline, Embase and CINAHL along with other more specialised databases. The following is an explanation of some of the search devices commonly used in SIGN filters:

- / after an index term indicates that all subheadings were selected.
- \* before an index term indicates that that term was focused - i.e. limited to records where the term was a major MeSH/Emtree term.
- "exp" before an index term indicates that the term was exploded.
- .tw. indicates a search for a term in title/abstract
- .mp. indicates a free text search for a term
- .pt. indicates a search for a publication type
- \$ at the end of a term indicates that this term has been truncated.
- ? in the middle of a term indicates the use of a wildcard.
- adj indicates a search for two terms where they appear adjacent to one another

At the bottom of the page, there is a list of links to various filter categories:

- [Systematic Reviews](#)
- [Randomised Controlled Trials](#)
- [Observational Studies](#)
- [Diagnostic Studies](#)
- [Economic Studies](#)
- [Patient issues](#)

On the left side of the page, there is contact information for the Scottish Intercollegiate Guidelines Network, Healthcare Improvement Scotland, including the address (1 South Gyle Crescent, Edinburgh EH12 9EB), telephone number (0131 623 4720), and email address ([funcan.service@nhs.net](mailto:funcan.service@nhs.net)). It also mentions the last modified date (16/05/14) and the copyright notice (SIGN 2001-2014).

# Search strategies

- Try to find systematic reviews for your topic.
  - Do they match the topic perfectly?
  - Are they complete and up to date?
  - If not, can I collaborate with the authors?
- If no perfect matches, search for individual concept matches.
  - Use the Methods section for resources and search strategies.
- Check strategies for comprehensiveness (keywords and MeSH).
- Adapt strategies for your question, interface and database.



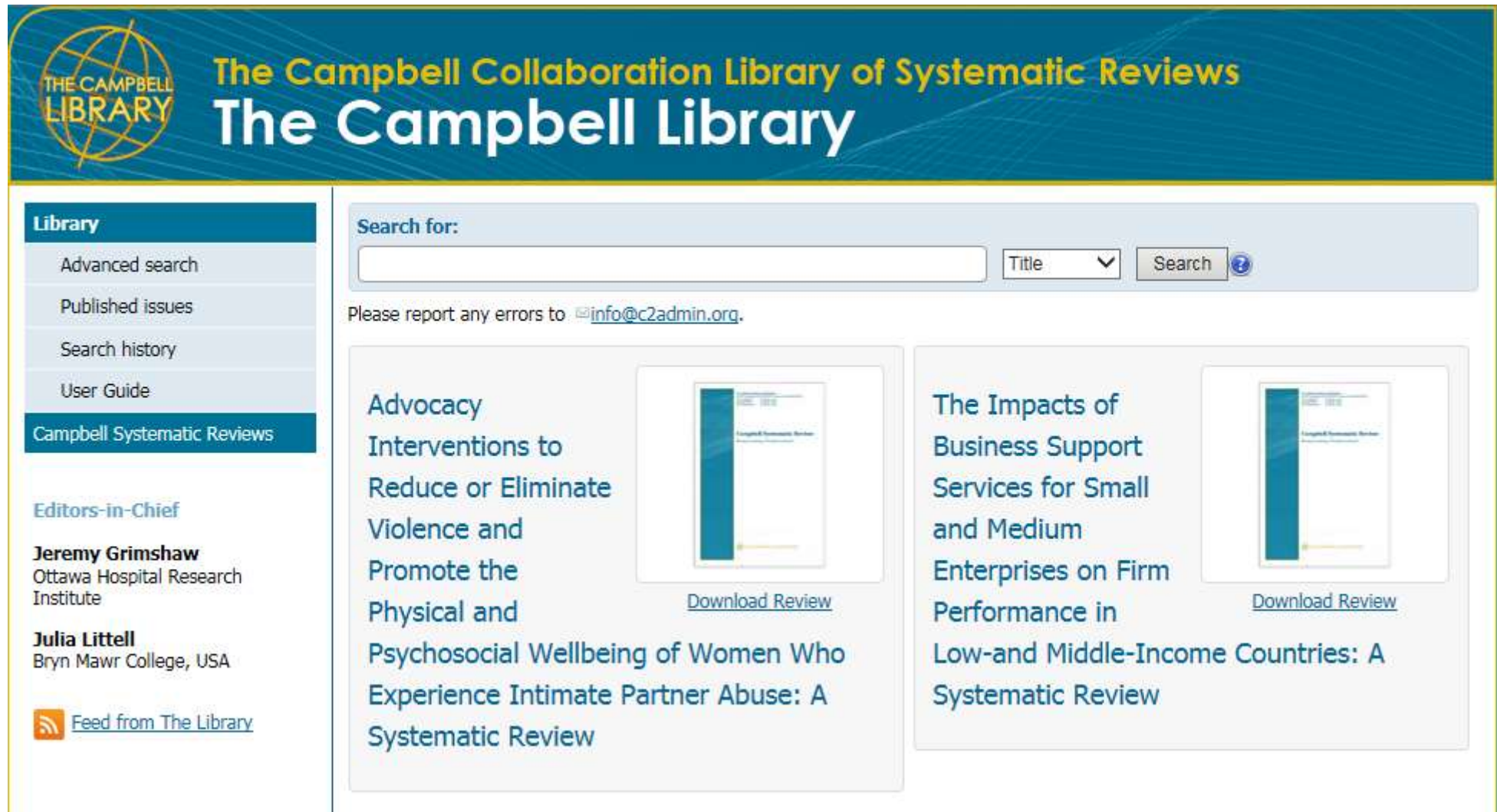
# The Campbell Collaboration Library: the social side

- Comparable to Cochrane, but with an emphasis on the social sciences.
- Systematic reviews in education, crime and justice, and social welfare.
- Provides search process documentation similar to Cochrane's.
- Open access.



# The Campbell Library

<http://www.campbellcollaboration.org/lib/>



The screenshot shows the homepage of The Campbell Library. At the top left is the logo, a globe with the text 'THE CAMPBELL LIBRARY'. To its right, the text reads 'The Campbell Collaboration Library of Systematic Reviews' and 'The Campbell Library'. Below this is a search bar with the text 'Search for:' and a search button labeled 'Search'. A dropdown menu is set to 'Title'. Below the search bar is a message: 'Please report any errors to [info@c2admin.org](mailto:info@c2admin.org).' The main content area features two featured reviews. The first is titled 'Advocacy Interventions to Reduce or Eliminate Violence and Promote the Physical and Psychosocial Wellbeing of Women Who Experience Intimate Partner Abuse: A Systematic Review' and has a 'Download Review' link. The second is titled 'The Impacts of Business Support Services for Small and Medium Enterprises on Firm Performance in Low-and Middle-Income Countries: A Systematic Review' and also has a 'Download Review' link. On the left side, there is a 'Library' menu with options: 'Advanced search', 'Published issues', 'Search history', 'User Guide', and 'Campbell Systematic Reviews'. Below the menu, it lists 'Editors-in-Chief' as 'Jeremy Grimshaw' (Ottawa Hospital Research Institute) and 'Julia Littell' (Bryn Mawr College, USA). At the bottom left of the sidebar is an RSS feed icon and the text 'Feed from The Library'.

# Database of search concept strings

The screenshot shows the EndNote Basic web interface. At the top, the 'ENDNOTE™ basic' logo is on the left, and a circular orange pattern is on the right. Below the logo is a navigation bar with tabs: 'My References', 'Collect', 'Organize', 'Format', 'Match <sup>NEW!</sup>', 'Options', and 'Connect <sup>Beta</sup>'. The main content area is titled 'Shared Group: Search Strategies'. On the left, there is a 'Quick Search' box with a search input field, a dropdown menu set to 'All My References', and a 'Search' button. Below this is a sidebar with 'My References' (801 total, including 409 unfiled and 0 in quick list), 'Trash (877) Empty', 'My Groups', and 'Groups Shared by Others'. The 'Search Strategies (119)' group is circled in red. At the bottom of the sidebar is a 'ResearcherID' badge. The main results area shows a table with columns for checkboxes, 'Author', 'Year', and 'Title'. The table lists several search strategies, including 'Central (Cochrane)', 'Animals (Version 2)', 'CINAHL', 'CINAHL', 'Cochrane Library', and 'EBSCO - Cross Multidisciplinary Database Search'. Each entry includes 'Added to Library' and 'Last Updated' dates. At the top right of the results area, there is a pagination control showing 'Page 1 of 3' and a 'Go' button. A 'Sort by: First' dropdown is also visible.

**ENDNOTE™ basic**

My References | Collect | Organize | Format | Match <sup>NEW!</sup> | Options | Connect <sup>Beta</sup>

**Quick Search**  
Search for  
in All My References  
Search

**My References**  
All My References (801)  
[Unfiled] (409)  
Quick List (0)  
Trash (877) Empty  
My Groups

**Groups Shared by Others**  
EbolaComplete (4859)  
Epidemiol HCS (594)  
**Search Strategies (119)**

Build a profile to showcase your own work.  
**ResearcherID**


**Shared Group: Search Strategies**  
Show 50 per page  
Page 1 of 3 Go  
Sort by: First

<input type="checkbox"/>	Author	Year	Title
<input type="checkbox"/>		2012	Central (Cochrane) Added to Library: 26 Oct 2015 Last Updated: 20 Nov 2015 Online Link → Go to URL
<input type="checkbox"/>		2015	Animals (Version 2) Added to Library: 20 Nov 2015 Last Updated: 20 Nov 2015
<input type="checkbox"/>	CINAHL	2013	Preclampsia Added to Library: 06 Nov 2013 Last Updated: 20 Nov 2015
<input type="checkbox"/>	CINAHL	2015	Unsafe injections Added to Library: 26 Oct 2015 Last Updated: 20 Nov 2015
<input type="checkbox"/>	Cochrane Library	2014	Global Health Library and related sub databases Added to Library: 23 Jan 2014 Last Updated: 20 Nov 2015
<input type="checkbox"/>	EBSCO - Cross Multidisciplinary Database Search		LEG - UN Judicial Report Added to Library: 03 Feb 2014 Last Updated: 20 Nov 2015

# MeSH and keywords for child under 18

## Bibliographic Fields:

[Show Empty Fields](#)

Reference Type: Online Database  
Author: PubMed   
Title: Child - up to age 18

## Optional Fields:

Abstract: "Child"[Mesh] OR "Maternal-Child Health Centers"[Mesh] OR "Child Nutrition Sciences"[Mesh] OR "Child Health Services"[Mesh] OR "Child Nutritional Physiological Phenomena"[Mesh] OR "Child Nutrition Disorders"[Mesh] OR "Child Mortality"[Mesh] OR "Child Welfare"[Mesh] OR "Child Care"[Mesh] OR "Child Reactive Disorders"[Mesh] OR "Child Guidance"[Mesh] OR "Child Reactive Disorders"[Mesh] OR "Child Behavior Disorders"[Mesh] OR "Child, Orphaned"[Mesh] OR "Child, Institutionalized"[Mesh] OR "Child, Hospitalized"[Mesh] OR "Child Development"[Mesh] OR "Child Behavior"[Mesh] OR "Developmental Disabilities"[Mesh] OR "Mental Disorders Diagnosed in Childhood"[Mesh] OR "Disabled Children"[Mesh] OR "children" [TIAB] OR "newborn\*" [TIAB] OR "childhood" [TIAB] OR "baby" [TIAB] OR "babies"[TIAB] OR "toddler"[TIAB] OR "toddlers"[TIAB] OR "infants"[TIAB] OR "infant"[TIAB] OR "infantile" [TIAB] OR "young patient" [TIAB] OR "young patients"[TIAB] OR "Pediatric Nursing"[Mesh] OR "Pediatric Assistants"[Mesh] OR "Hospitals, Pediatric"[Mesh] OR "Intensive Care Units, Pediatric"[Mesh] OR "Pediatrics"[Mesh] OR "Pediatricians" [TIAB] OR "paediatricians" [TIAB] OR "Pediatrician" [TIAB] OR "paediatrician" [TIAB] OR "Pediatrics" [TIAB] OR "paediatrics" [TIAB] OR "Pediatric" [TIAB] OR "paediatric" [TIAB]

Name of Database: Medline  
Database Provider: PubMed  
Added to Library: 30 May 2012  
Last Updated: 30 May 2012  
► **Groups:** [Unfiled]



# To access search concepts

- Create a free, web-based EndNote account by visiting <http://www.myendnoteweb.com>.
- Send an email to [allent@who.int](mailto:allent@who.int) and indicate the email you used to create the EndNote BASIC account.
- I will then share the database with you.
- Note: All filters are offered as is. No guarantees.



# Lessons learned

- Cochrane Library should be the first place to check for any question.
- Cochrane Library has systematic reviews and other resources.
- Cochrane methodology is a standard to replicate.
- Reuse search strategies - identify where to search and with which search terms (controlled and keywords).

