

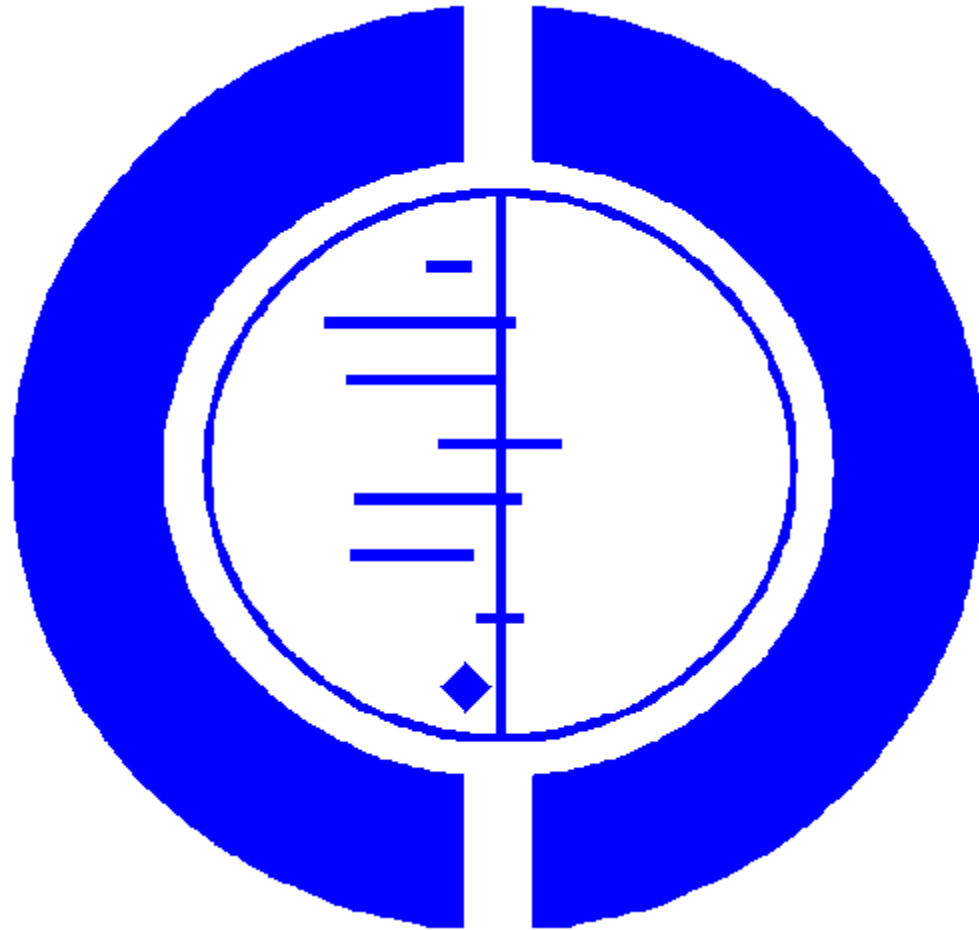


RCTs

Cohort
studies

Case series

Animal research & In vitro studies

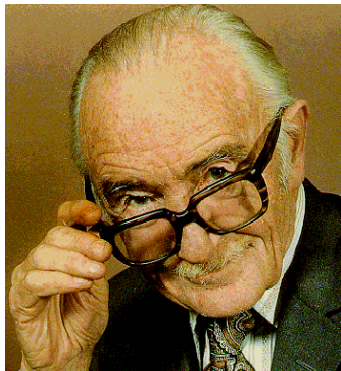


The Cochrane Collaboration is an international organisation that aims to help people make well-informed decisions about healthcare by preparing, maintaining and promoting the accessibility of systematic reviews of the effects of healthcare interventions



- 1948-60 : MRC Pneumoconiosis Research Unit, Penarth, Wales.
- 1960-69 : David Davies Professor of Tuberculosis and Chest Diseases, Welsh National School of Medicine, Cardiff, Wales.
- 1960-74 : Director, MRC Council Epidemiology Research Unit, Cardiff
- 1972: *Effectiveness and Efficiency - Random Reflections on Health Services.*
- 1974-86 : Completed 20-year and 30-year follow up studies of Welsh mining communities (Rhondda Fach).

In 1970s, Archie Cochrane, a British physician, criticised the medical profession for not having established a system for producing up-to-date summaries of the results of reliable research about the effects of health care.



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EFFECTIVE CARE IN PREGNANCY AND CHILDBIRTH



iconoclast /ai'kɒnə,klæst/ **1** a person who attacks cherished beliefs.

The Cochrane Collaboration

- 11,500+ people in 91 countries
 - 1000 in low-middle income countries
- 50 Collaborative Reviews Group
- Centres, Fields, Methods Groups and Cochrane Consumer Network
- US \$ 11 million of infrastructure funding to Cochrane entities per year
- Many partnerships with users and providers of evidence

- Search
- Clear
- Print+Save
- Setup
- Handbook
- Glossary
- Help
- Exit

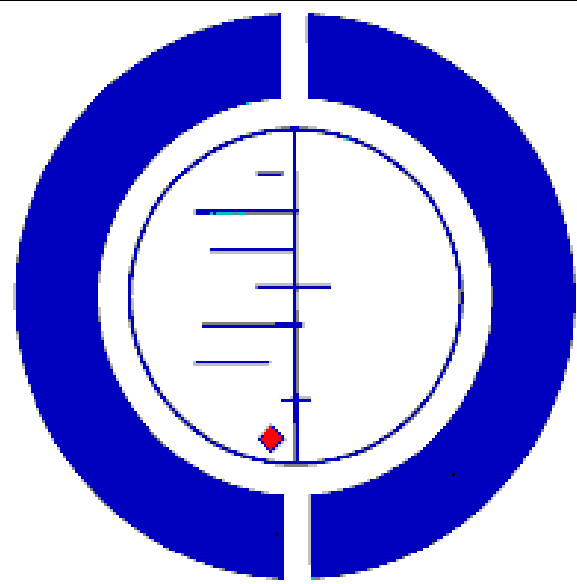


Comments/Criticisms

Back

Find

Outline



THE COCHRANE LIBRARY

1999 Issue 1

ISSN 1464-780X

*The best single source of reliable evidence
about the effects of health care*

[Release notes](#) - [Comments and Criticisms](#) - [About The Cochrane Library](#)
[Getting Started](#) - [Subscription Information](#) - [Technical Support](#)

Off-line

The Cochrane Library

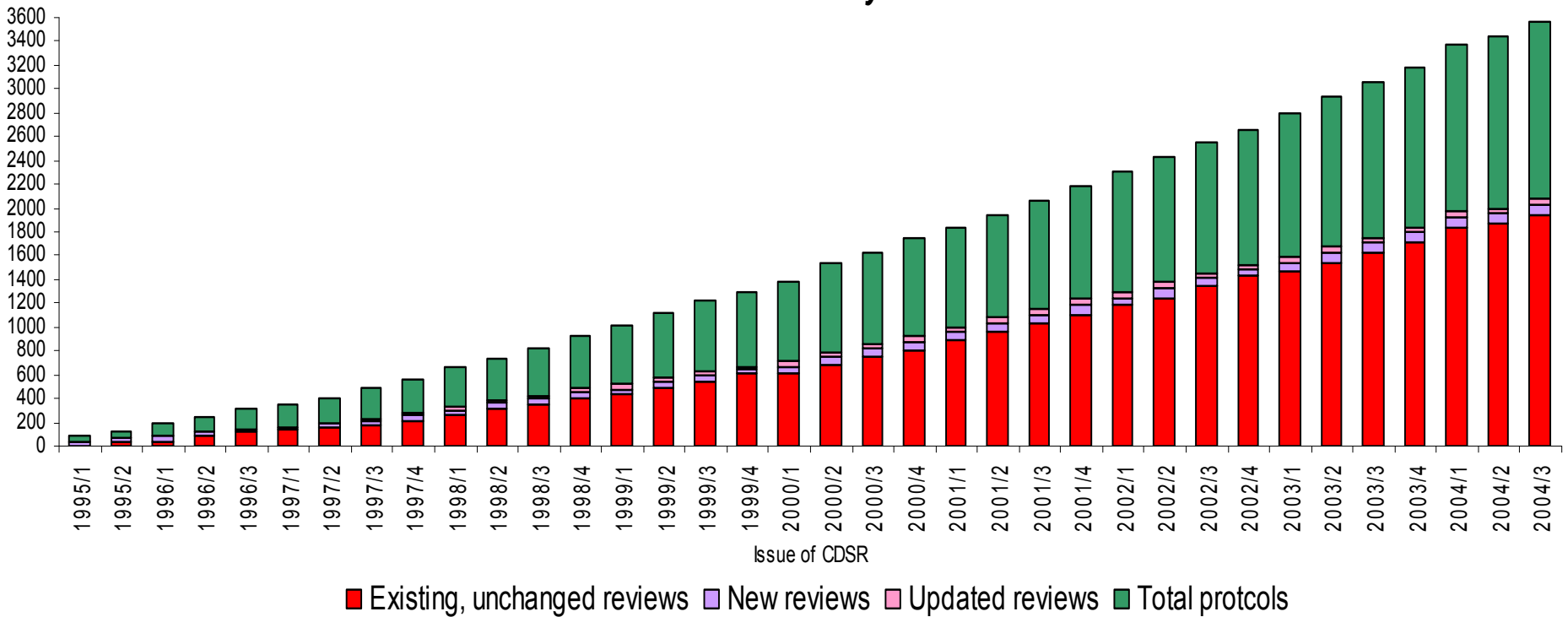
- Cochrane Database of Systematic Reviews
- Database of Abstracts of Reviews of Effects (DARE)
- CENTRAL
- Cochrane Database of Methodology Reviews
- NHS Economic Evaluation Database
- Health Technology Assessment Reports



Cochrane Library



Reviews and protocols for reviews in *The Cochrane Database of Systematic Reviews*



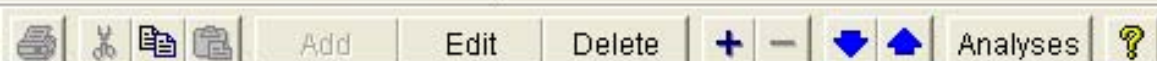
Examples of new reviews in Issue 2, 2006 of *The Cochrane Library*

- *Compression stockings for preventing DVT in airline passengers*
- *Herbal medicine for low back pain*
- *Directly observed therapy (DOT) for treating tuberculosis*
- *Music for pain relief*
- *Antibiotics for exacerbation of chronic obstructive airways disease*
- *Total v subtotal hysterectomy for benign gynaecological conditions*

| | Narrative review | Systematic reviews |
|-------------------------------------------------------------|-------------------------|---------------------------|
| Defined clinical questions | Rarely | Common |
| Reproducible, clearly defined literature search | No | Mandatory |
| Defined exclusion criteria for potentially eligible studies | Rarely | Common |
| Pre-specified comparisons and outcomes of interest | No | Common |
| Statistical pooling of the results (meta-analysis) | No | Common |
| Peer review before publication | Rarely | Common |

Cochrane Review

- **Formulating the Question**
- **Locating and Selecting Studies**
- **Assessing the Validity of Studies**
- **Collecting Data**
- **Analyzing and Presenting Results**
- **Interpreting results**
- **Updating Reviews**



Tree view

- [-] [P] Reviews
 - [+] [P] Antenatal corticosteroids to accelerate fetal lung maturation for women at risk of preterm birth (Version 09)
 - [+] [R] Antibiotics for preventing preterm labour; An umbrella review
 - [-] [P] Antibiotici za profilaksu kod laparoscopske holecistektomije
 - [+] [P] Cover sheet
 - [-] [P] Text of review
 - [P] Synopsis
 - [+] [P] Abstract
 - [P] Background
 - [P] Objectives
 - [+] [P] Criteria for considering studies for this review
 - [P] Search strategy for identification of studies
 - [P] Methods of the review
 - [P] Description of studies
 - [P] Methodological quality of included studies
 - [P] Results
 - [P] Discussion
 - [+] [P] Reviewers' conclusions
 - [P] Acknowledgements
 - [P] Potential conflict of interest
 - [+] [P] References
 - [+] [P] Tables
 - [+] [P] Figures
 - [+] [P] Comments and criticisms

ST: Protocol NO: ID: ZA ED: 11/10/2006 NS: 01/10/2010 SU: 11/10/2006 MU: / /

Review Manager 4.2.7

File Edit Action View Window Help

Add Edit Delete + - ↓ ↑ Analyses ?

Text of review (Antibiotici za profilaksu kod laparoscopske holecistektomije)

Find links Remove links Delete link Insert link to: * INCLUDED STUDIES *

Background

Objectives

Criteria for considering studies for this review

Types of studies

Types of participants

Types of interventions

Types of outcome measures

Search strategy for identification of studies

Methods of the review

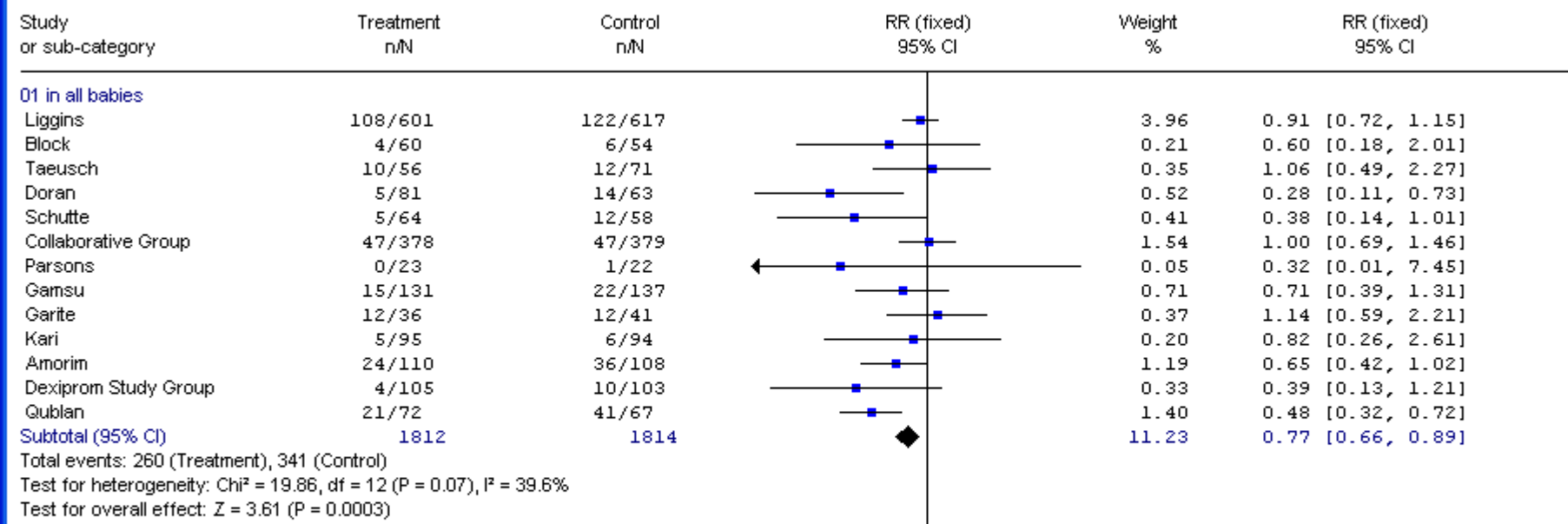
Description of studies

Methodological quality of included studies

Save Close

Detail 01.01

Review: Antenatal corticosteroids to accelerate fetal lung maturation for women at risk of preterm birth (Version 09)
 Comparison: 01 CORTICOSTEROIDS VS. PLACEBO OR NO TREATMENT
 Outcome: 01 Fetal and neonatal deaths



Cochrane Review

- **Formulating the Question**
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Locating and selecting studies

- Sources for identifying trials include references in published works, personal communications, electronic databases and hand searching.
- The **search strategy** should be described in sufficient detail that the process could be replicated.
- Avoid excluding trials for reasons that are not prespecified. This risks introducing bias into the review and decreases the reproducibility of the results.

PROBLEM:

Only 30-80% of all known published randomised trials are identifiable on MEDLINE (*Index Medicus*) and EMBASE (*Excerpta Medica*) .

Non-English-language references are under represented in MEDLINE and EMBASE and only published articles are included, so there is a potential for publication and language bias.

SOLUTION:

***COCHRANE CONTROLLED TRIALS
REGISTER***

CCPC Clinical Trials Register

- Total reports
10,379
- Cited in Cochrane reviews
4,908



CCPC Trials Register

- Total reports
10,379
- Cited in reviews
4,908
- Not dealt with yet
5,471



Evaluacije dijagnostickih testova ??

Non-randomised observational and case control studies ??

Log on to Cochrane

- Google
- Cochrane Library
- Systematic Reviews

Ispitni Rad 2008
Predlozak za sistematski pregledni rad

- Uvod (Background) (max. 400 rijeci + reference (Lancet format))
- Svrha preglednog rada (Objectives)
- Kriteriji za ukljucivanje radova u analizu (Criteria for considering studies for this review)
- Metodoloski tip studije (Types of studies)
- Populacija od interesa (Types of participants)
- Intervencije (Types of interventions)
- Ishodi od interesa (Types of outcome measures)
- Metoda trazenja literature ukljucujuci kljucne rijeci (Search strategy for identification of studies)
- Statisticke metode (Methods of the review)

Ispitni Rad 2006
Predlozak za sistematski pregledni rad

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