

To Build up a High Quality Database of Intervention Studies for the Cochrane Occupational Health Field

<http://www.cohf.fi>

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Cochrane Occupational Health Field, COHF (established 2004)

- Trials Database for Occupational Intervention Studies
- Reviews Database for Systematic Reviews of Occupational Intervention Studies (under preparation)
- Search Strategy to Identify Occupational Health Intervention Studies

Trials Database

- Provide quality checked trials for researchers, professionals, decision makers
- Quality criteria according to study design
- Classification for intervention study category
- Source of articles for systematic reviews
- Relevant articles forwarded to Cochrane Central Database
- Available on the Internet

Quality Criteria for Classification According to Study Design

- A1 Randomized Controlled Trials
- A2 Controlled Trials
- A3 Time series, at least three time points
- A4 Before – after comparison without control group, comparison with arbitrary controls

Classification of Occupational Health Intervention Studies

- B1 Remove or decrease exposure
- B2 Influence health behaviour
- B3 Influencing the course of occupational disease or work related symptoms
- B4 Preventing or reducing occupational disability and sickness absence, maintaining working ability, increasing return to work
- B5 Reducing injuries and occupational accidents
- B6 Increasing the quality of occupational health services

Hand searching for articles for Gold Standard

- 19 highly ranked biomedical journals: 7 journals of occupational medicine, 5 journals in general medicine and 7 journals of relevant special fields in medicine
- full volumes published in 2000 and 2001: total number of original articles 11022 of which 149 articles fulfilling the criteria

Selection of search words

- collecting potential search words
- definition of occupational health intervention studies
- network of Cochrane Occupational Health Field consulted
- analysing the frequency occurrences of the words in titles, abstracts and keywords of Gold Standard articles
- choosing the search words
- at least: twice in titles, ten times in abstracts, four times in keywords

Calculating sensitivity, specificity, precision, and accuracy of searches in detecting occupational health intervention studies

		Gold Standard	
		+	-
Search term	+	a	b
	-	c	d

Entries in the two by two table

true positives = a
 false positives = b
 false negatives = c
 true negatives = d

sensitivity = $a / (a+c)$
 specificity = $d / (b+d)$
 precision = $a / (a+b)$
 accuracy = $(a+d) / (a+b+c+d)$

Search strategy for most specific search

occupational[tw] OR worker*[tw]
 AND
 program*[tw] OR prevention and control[sh]

Search strategy for most sensitive search

work*[tw] OR occupation*[tw] OR prevention*[tw] OR protect*[tw]
 AND
 effect*[tw] OR control*[tw] OR evaluation*[tw] OR program* [tw]



Welcome to the database of the Cochrane Occupational Health Field.

This database consists of intervention studies related to the prevention or treatment of occupational or work-related disorders, disability and injuries.

If you need help in locating references click the ABOUT button underneath.

Quick Search:

[Advanced Search](#)

HINT! For most accurate search results, add a wildcard (*) to all searches - *dolphin**.

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COHF Database

- Freely available on the Internet
- Quick search and Advanced search
- Boolean operators
- Search with classification codes for study design and occupational health intervention study category
- Web publishing in the Reference Manager



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Implementation of quality systems and certification of biomedical libraries

