



**Finnish Institute of
Occupational Health**

Priorities for Reviews and Research

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PEROSH

- PEROSH: Partnership for European Research in Occupational Safety and Health
 - European National Institutes of OSH
 - Partners from universities
- Clearinghouse of Systematic Reviews
 - Project 1: OSH Evidence
 - Project 2: Priority setting in OSH research

1. OSH-evidence

- Evidence-based policy = a policy in which it is transparent what is based on evidence
- Evidence from research is one of the inputs in the hotchpotch that underlies policy decisions
- Best evidence comes from systematic reviews
- Systematic Reviews should be readily available
 - Database of systematic reviews: OSH-evidence

1. Different from other projects?

- Other databases
 - Cochrane: Only Cochrane Reviews of interventions, NOT etiology, prognosis, diagnosis
 - CRD York, Health Evidence Canada
- Evidence is offered from the users' perspective
 - Question – Which Reviews?
 - Can be much broader than for reviews
 - What is the best treatment vs What is effective
- Produced so far
 - Methodology for review location and appraisal, Search strategy, Amstar checklist
 - 13 questions with review answers on Perosh Website
 - Workshops for methods dissemination, 2011, 2012

| Question | Question Type | Type of workers | Intervention | Exposure | Prognosis | Outcome | Reviews |
|---|---------------|---------------------------|--------------|---------------------|-----------|------------------------|----------------------------|
| Does physical work lead to coxarthrosis? | Etiology | Any | | Physical work | | Osteoarthritis | 7 reviews |
| What interventions are effective in preventing early retirement in older workers? | Intervention | Older | Any | | | Early retirement | 1 review |
| What factors predict prognosis of sick leave in workers with musculoskeletal disorders? | Prognosis | Musculoskeletal Disorders | | | Any | Sick Leave | 13 reviews |
| Psychosocial stress at work and cardiovascular disease | Etiology | Any | | Psychosocial stress | | Cardiovascular disease | 5 reviews |
| How can needlestick injuries in health workers be prevented? | Prevention | Health care workers | Any | viral infections | | Needlestick injuries | 3 reviews |
| Is aggression more frequent among health care workers compared to | | Health care workers | | | | Agression | 3 reviews |

2. Priority Setting

- Priorities for research/reviews needed
- Existing: Delphi processes with experts
- Use systematic reviews:
 - 1. Reviews available
 - What are implications for research
 - 2. No reviews available
 - Implication: review needed

2. Priority Setting, topics

- PEROSH Research Challenges
 1. Sustainable employability to prolong working life
 2. Disability prevention and reintegration
 3. Psychosocial well-being in a sustainable working organisation
 4. Multifactorial genesis of work-related MSDs
 5. New technologies as a field of action for OSH
 6. Occupational risks related to engineered nanomaterials (ENM)
 7. Safety culture to prevent occupational accidents

2. Priority Setting, reviews

- Translate into answerable question: PICO S
- Depending on extent of question, need for
 - scoping reviews
 - broad, more study designs, complex area
 - systematic reviews
 - well-defined, specific designs, evidence rating
- Search for systematic reviews

2. Research challenge

- 1. Sustainable employability to prolong working life

- “Demographic change will be a major driver for labour market developments in Europe. These developments will also have a huge impact on occupational safety and health. For governments, enterprises and citizens alike, it will be of crucial importance to prolong working life in a healthy and productive manner. Research should contribute to a paradigm shift in OSH from its focus on work as a risk factor of ill health to work as a source of vitality, empowerment, healthy ageing and participation in society. A multi-actor approach should be developed to create a common ground. Working conditions, education and training and motivation to prolong working life are the main topics.”

2. Prolonging working life

- P: older workers I: any C: any O: early retirement
- One review in database:
 - McDermott OM 2010: developing occupational health services for active age management: longitudinal research with long-term follow up; life course approach.
- Another Scoping Review needed:
 - Which interventions for prolonging working life are available and what do we know about their effects?
- Systematic Reviews needed:
 - Economic incentives for prolonging working life
 - Psychosocial risk factors for early retirement?
 - Physically demanding work a risk factor for early retirement?

Conclusion

- Systematic Reviews...
 - ...important for policy and practice
 - ...Better availability needed: database for OSH
 - ...should be part of the process for research priorities
- Join?
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