



**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 coxarthrititis?	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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