

EPI-MUS - Risk and preventive factors for musculoskeletal disorders and impaired performance during work with computer mouse and other input devices- a prospective cohort study

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Citation

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Alternative title

Epi-mus studien

Creator/Principal investigator(s)

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Research principal

[Arbetslivsinstitutet](#) - Work and Health

Description

The study group consisted of about 1500 computer users, within different occupational groups where computers were daily used. Information about physical, psychological and social working related factors and individual factors were given through a questionnaire at study start. In addition a workplace visit was carried out for assessment of the workstations design, working postures and working techniques according to a checklist. The study subjects answered a short monthly questionnaire, repeated during 10 months, in order to identify new symptoms and possible changes in work. Subjects that reported new symptoms were clinically investigated in order to determine location, probable damaged structure and diagnosis. After the observation time the companies were given feedback regarding exposure conditions and occurrence of symptoms, and discussions about changes were initiated. The project was a collaboration with the occupational medicine clinics in Stockholm, Göteborg, Lund and Sundsvall and also 15 occupational health centers linked to the participating companies.

Purpose:

To identify and quantify risk and protective factors for morbidity in the upper extremities and neck, and impaired performance during computer work due to such illness.

Data contains personal data

No

Language

[Swedish](#)

Unit of analysis

[Individual](#)

Population

Datoranvändare inom olika yrkesgrupper där man dagligen använde dator.

Time Method

[Longitudinal: Cohort/Event-based](#)

Variables

2507

Number of individuals/objects

1283

Data format / data structure

[Numeric](#)

Geographic spread

Geographic location: [Sweden](#)

Responsible department/unit

Work and Health

Research area

[Working conditions](#) (CESSDA Topic Classification)

[Medical and health sciences](#) (Standard för svensk indelning av forskningsämnen 2011)

[Health](#) (CESSDA Topic Classification)

[Specific diseases, disorders and medical conditions](#) (CESSDA Topic Classification)

Keywords

[Diagnosis](#), [Signs and symptoms](#), [Risk factors](#), [Workplace](#), [Task performance and analysis](#), [Cumulative trauma disorders](#), [Ergonomics](#), [Occupational health services](#), [Posture](#), [Musculoskeletal pain](#), [Neck](#), [Observation](#), [Morbidity](#), [Occupational exposure](#), [Upper extremity](#)

Accessibility level

Access to data through SND

Access to data is restricted

Use of data

[Things to consider when using data shared through SND](#)

Versions

Version 1.0. 2006-01-01

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