Bilaga till rapport
Arbetsmiljöns betydelse för besvär och sjukdom i nacke, axlar, armar och händer/Occupational exposures and complaints of neck, shoulder, arm and hand, rapport 349 (2022)

Bilaga 1 Litteratursökning/Appendix 1 Search strategies

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Sökdokumentation 1 /Search strategies 1

**Embase via Elsevier 2010-2014**

**Title:** Occupational exposure and upper extremity pain

**Comment:** This SBU assessment is partially based on Veiersted B. et al. 2017, with last search 15 November 2015. On this page supplementary search strategies between 2010-2014 are documented. Search strategies which were conducted in compliance with the SBU assessment protocol.

Search strategies covering 2015 to the last updated search in August 2021 are to be found in separate documentations (Sökdokumentation 2/Search strategies 2).


### Search terms

<table>
<thead>
<tr>
<th>Search terms</th>
<th>Items found</th>
</tr>
</thead>
<tbody>
<tr>
<td>Population: Neck pain, shoulder pain, arm pain</td>
<td></td>
</tr>
<tr>
<td>1. ‘neck pain’/exp/mj OR ‘shoulder pain’/exp/mj</td>
<td>8,423</td>
</tr>
<tr>
<td>2. (neck NEAR/4 (ache* OR complaint* OR disease* OR disorder* OR disabilit* OR dysfunction* OR inflammation* OR injur* OR musculoskeletal OR pain* OR problem* OR symptom* OR syndrom*)):kw,ti OR (cervicalgia* OR cervicodynia* OR neckache* OR neckpain* OR ‘cervical pain’):kw,ti OR (shoulder NEAR/4 (ache* OR complaint* OR disease* OR disorder* OR disabilit* OR dysfunction* OR inflammation* OR injur* OR musculoskeletal OR pain* OR problem* OR symptom* OR syndrom*)):kw,ti OR (arm OR arms OR axilla OR clavicle OR ‘collar bone’ OR carpal OR elbow OR forearm OR forearms OR finger OR fingers OR hand OR hands OR metacarpus OR subacromial OR humeral OR humerus OR ‘gleno-humeral’ OR wrist) NEAR/4 (ache* OR complaint* OR disease* OR disorder* OR disabilit* OR dysfunction* OR inflammation* OR injur* OR musculoskeletal OR pain* OR problem* OR symptom* OR syndrom*)):kw,ti OR ((‘multi site’ OR multisite OR multiple OR outcome*) NEAR/4 musculoskeletal):ab,kw,ti</td>
<td>44,423</td>
</tr>
<tr>
<td>3. 1 OR 2</td>
<td>46,342</td>
</tr>
<tr>
<td>Population: Injuries, Specific diseases</td>
<td></td>
</tr>
<tr>
<td>4. ‘arm injury’/exp/mj OR ‘hand injury’/exp/mj OR ‘neck injury’/exp/mj OR ‘shoulder injury’/exp/mj OR ‘rotator cuff injury’/exp/mj OR ‘shoulder dislocation’/exp/mj OR ‘wrist injury’/exp/mj</td>
<td>62,321</td>
</tr>
<tr>
<td>5. (‘cumulative trauma disorder’/mj OR ‘carpal tunnel syndrome’/mj OR ‘cubital tunnel syndrome’/mj OR ‘shoulder impingement syndrome’/mj OR ‘De Quervain tenosynovitis’/mj OR ‘Dupuytren contracture’/mj OR ‘epicondylitis’/mj OR ‘tennis elbow’/mj OR ‘Raynaud phenomenon’/exp/mj OR ‘vibration disease’/exp/mj OR ‘shoulder fracture’/exp/mj OR ‘thorax outlet syndrome’/mj OR ‘carpal tunnel syndrome’ OR cervical radiculopathy* OR ‘cervical spondylosis’ OR ‘cervicobrachial syndrome’ OR ‘cervicobrachialg’ OR ‘cumulative trauma disorder’ OR ‘cubital tunnel syndrome’ OR ‘De Quervain tenosynovitis’ OR ‘Dupuytren contracture’ OR ‘elbow tendinopathy’ OR ‘epicondylitis’ OR ‘epicondylalg’ OR ‘frozen shoulder’ OR ‘guyon’ OR ‘mononeuropathy’ OR ‘quervains’ OR (radial NEXT neuropath*) OR ‘radial nerve compression’ OR ‘radial nerve entrapment’ OR ‘radial tunnel syndrome’ OR ‘raynaud disease’ OR ‘shoulder impingement syndrome’ OR ‘shoulder fracture’ OR (strain NEXT/1 injur*) OR ‘subacromial impingement syndrome’ OR ”supinator syndrome” OR ‘thorax outlet syndrome’ OR (ulnar NEXT/2 neuropath*) OR ‘ulnar nerve compression syndrome’ OR ‘ulnar nerve entrapment’ OR ‘tendinosis’ OR ‘vibration disease’ OR ‘vibration syndrome’ OR ‘vibration-induced neuropathy’ OR ‘white finger’ OR ‘hand-arm vibration syndrome’):ab,kw,ti</td>
<td>42,262</td>
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<td>6. 3 OR 4 OR 5</td>
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<tr>
<td>Working conditions</td>
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</tr>
<tr>
<td>7. ‘employment’/exp OR ‘employment of women’/exp OR ‘industry and industrial phenomena’/exp/mj OR ‘named groups by occupation’/exp OR ‘occupation and occupation</td>
<td>2,757,615</td>
</tr>
</tbody>
</table>
related phenomena'/exp OR 'occupational health'/exp OR 'occupation'/exp OR 'occupational disease'/exp OR 'occupational accident'/exp OR 'work'/exp OR 'workforce'/exp OR 'work environment'/exp OR 'workload'/exp OR 'workplace'/exp

8. computer*:kw,ti OR employ*:kw,ti OR occupation*:kw,ti OR work*:kw,ti OR agricult*:ab,kw,ti OR ((computer* OR desktop* OR keyboard* OR laptop OR 'lap top' OR notebook* OR screen) NEAR/3 (use* OR usage* OR work*)):ab,kw,ti) OR employment:ab,kw,ti OR employee*:ab,kw,ti OR (((heavy OR physical* OR psychosocial OR 'psycho social') NEXT/2 (load* OR work*)):ab,kw,ti) OR industry:ab,kw,ti OR industries:ab,kw,ti OR industrial:ab,kw,ti OR laborers:ab,kw,ti OR occupation:ab,kw,ti OR occupations:ab,kw,ti OR staff:ab,kw,ti OR strain*:ab,kw,ti OR worker*:ab,kw,ti OR (((work* OR job) NEXT/3 (age* OR condition* OR context* OR environment* OR factor* OR load* OR place* OR related OR site* OR stress* OR style*)):ab,kw,ti) OR (((work* OR job) NEAR/2 (demand* OR force* OR men OR population OR people OR task* OR women)):ab,kw,ti) OR workload*:ab,kw,ti OR (work NEXT/1 load*):ab,kw,ti OR workplace*:ab,kw,ti OR (work NEXT/1 place*):ab,kw,ti OR workshift*:ab,kw,ti OR (work NEXT/1 shift*):ab,kw,ti OR worksite*:ab,kw,ti OR (work NEXT/1 site*):ab,kw,ti OR workstyle*:ab,kw,ti OR (work NEXT/1 style*):ab,kw,ti OR workload*:ab,kw,ti OR (work NEXT/1 task*):ab,kw,ti

9. 7 OR 8

Combined sets

10. 6 AND 9

Study design

11. 'case control study'/exp OR 'cohort analysis'/exp OR 'control group'/exp OR 'controlled clinical trial'/exp OR 'cross-sectional study'/exp OR 'epidemiology'/de OR 'follow up'/exp OR 'longitudinal study'/exp OR 'pretest posttest control group design'/exp OR 'pretest posttest design'/exp OR 'prospective study'/exp OR 'retrospective study'/exp OR 'comparative study'/exp OR 'questionnaire'/exp

12. ('before-after' OR 'case-control' OR casecontrol* OR (case NEXT/1 (compare* OR referent)) OR 'case-crossover' OR cohort* OR 'control group' OR (cross NEXT/2 section*) OR epidemiolog* OR experiment* OR followup OR 'follow up' OR 'intervention study' OR interview* OR longitudinal OR observational OR 'population based' OR 'pre-test' OR pretest OR posttest* OR 'post test' OR prepost OR 'pre-post' OR prospective OR questionnaire* OR randomly OR regression OR retrospective OR 'selected control' OR 'random sample' OR 'representative sample' OR 'study sample' OR survey*:ab,kw,ti OR (time NEXT/1 serie*)):ab,kw,ti

13. 11 OR 12

14. 'cross-sectional study'/exp OR (cross NEXT/2 section*)

Combined sets: search strategy cross sectional studies 2010-2014 in compliance with protocol

15. 10 AND 14 NOT ('animal'/exp OR 'nonhuman'/exp NOT 'human'/exp)

16. 15 AND [(article]/lim OR [(article in press]/lim OR [erratum]/lim) AND [(danish]/lim OR [english]/lim OR [norwegian]/lim OR [swedish]/lim) AND [2010-2014]/py

Factors: Organisational and psychosocial

17. 'boredom'/exp OR 'bullying'/exp OR 'interpersonal communication'/exp OR 'job adaptation'/exp OR 'coping behavior'/exp OR 'satisfaction'/exp OR 'mental stress'/exp OR 'shift worker'/exp OR 'shift work'/exp OR 'job security'/exp OR 'leadership'/exp OR 'organization'/exp OR 'organizational downsizing'/exp OR 'organisational climate'/exp OR 'personnel management'/exp OR 'professional practice'/de OR 'reward'/exp OR 'psychosocial environment'/exp OR 'reinforcement'/exp OR 'social discrimination'/exp OR 'social justice'/exp OR 'social support'/exp OR 'work capacity'/exp OR 'work schedule'/exp OR 'working time'/exp OR 'workplace violence'/exp

18. ((demand* NEXT/1 resource*) OR (decision NEXT/1 (authorit* OR latitude*)) OR 'effort reward*' OR (flexible NEAR/2 work*) OR 'full-time' OR fulltime OR (interpersonal NEXT/2 relation*) OR 'ise strain' OR isostrain* OR (job OR biopsychosocial OR control OR employee* OR organization* OR psychosocial OR 'psycho social' OR work*) NEAR/2 (ageism OR boredom OR bullying OR conflict* OR discrimination* OR harass* OR homophobia OR justice* OR injustice* OR prejudice* OR racism OR sexism OR violen* OR xenophobia)) OR ((job OR biopsychosocial OR control OR employee* OR organization* OR
psychosocial OR "psycho social" OR work*) NEAR/2 ("down-size*" OR downsiz* OR insecurit* OR securit* OR privatization*)) OR ((job OR biopsychosocial OR control OR employee* OR high OR low OR organiation* OR psychosocial OR "psycho social" OR work*) NEAR/2 (control* OR constrain* OR demand* OR dissatisfact* OR distress OR overcommitment OR 'over commitment' OR 'pace constraint*' OR "paced work" OR "positive reinforcement*" OR pressure* OR recovery OR recuperation* OR role* OR satisfact* OR stress* OR trust OR "well-being") OR ((job OR employee* OR long OR time OR work*) NEAR/2 ('day time" OR daytime OR hour* OR 'night-time' OR nighttime OR schedule* OR temporary OR time)) OR ((job OR emotional OR leader* OR manage* OR organisational* OR superior* OR cowork* OR 'co work*' OR social OR work*) NEAR/2 (control* OR constrain* OR demand* OR dissatisfact* OR distress OR environment* OR exposure* OR load* OR strain* OR stress* OR support* OR 'well-being' OR work*)) OR "night shift" OR nightshift* OR "night work" OR "night work*" OR "nighttime*" OR "overtime" OR parttime OR "part-time" OR (role NEXT (ambiguity OR conflict*)) OR (shift* NEXT (work* OR job)) OR "skill discretion*" OR (support* NEXT (manag* OR system*)) OR (staff NEXT/1 development*)):kw,ti

<table>
<thead>
<tr>
<th>19.</th>
<th>17 OR 18</th>
<th>1,967,448</th>
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<tbody>
<tr>
<td>20.</td>
<td>19 AND 13 NOT ('animal'/exp OR 'nonhuman'/exp) NOT 'human'/exp</td>
<td>1,224</td>
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<tr>
<td>21.</td>
<td>20 AND [(article)/lim OR [article in press]/lim OR [erratum]/lim OR [review]/lim) AND ([danish]/lim OR [english]/lim OR [norwegian]/lim OR [swedish]/lim) AND [2010-2014]/py</td>
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<tr>
<td>Factors: Hazardous materials and radiation</td>
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<tr>
<td>22.</td>
<td>('air pollution'/mj OR 'cold'/exp OR 'climate'/exp OR 'hazard'/exp/mj OR 'heat'/exp OR 'material state'/exp/mj OR 'passive smoking'/exp/mj OR 'radiation'/exp/mj OR 'temperature acclimatization'/exp OR 'toxic substance'/exp/mj OR 'toxicity'/exp/mj) OR (airborne OR (air OR environmental) NEXT/2 pollut*) OR climate* OR 'cold NEXT/2 (response* OR temperature* OR test*) OR fume* OR &quot;gamma-rays&quot; OR (hot NEXT/2 (response* OR temperature* OR test*) OR (hazardous NEXT/2 (chemical* OR material* OR substance*)) OR 'indoor air' OR 'radioation OR (smok* NEAR/4 pollut*) OR 'passive smoking' OR 'toxic actions' OR pesticide* OR poison* OR solvent*)):ab,kw,ti</td>
<td>2,080,309</td>
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<tr>
<td>23.</td>
<td>15 AND 22 NOT ('animal'/exp OR 'nonhuman'/exp) NOT 'human'/exp</td>
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<td>24.</td>
<td>23 AND [(article)/lim OR [article in press]/lim OR [erratum]/lim OR [review]/lim) AND ([danish]/lim OR [english]/lim OR [norwegian]/lim OR [swedish]/lim) AND [2010-2014]/py</td>
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<tr>
<td>Factors: Contagious substances</td>
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<td>25.</td>
<td>'communicable disease'/exp OR (communicable NEXT/1 disease*):ab,kw,ti OR contagious:ab,kw,ti</td>
<td>46,487</td>
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<td>Combined sets</td>
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<td>26.</td>
<td>15 AND 25 AND [(article)/lim OR [article in press]/lim OR [erratum]/lim OR [review]/lim) AND ([danish]/lim OR [english]/lim OR [norwegian]/lim OR [swedish]/lim) AND [2010-2014]/py</td>
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<td>Factors: Noise</td>
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<tr>
<td>27.</td>
<td>'noise'/exp OR noise*:ab,kw,ti</td>
<td>165,582</td>
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<tr>
<td>Combined sets</td>
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<td></td>
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<tr>
<td>28.</td>
<td>15 AND 27 AND [(article)/lim OR [article in press]/lim OR [erratum]/lim OR [review]/lim) AND ([danish]/lim OR [english]/lim OR [norwegian]/lim OR [swedish]/lim) AND [2010-2014]/py</td>
<td>10</td>
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<tr>
<td>Factors: Vibration</td>
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<td>29.</td>
<td>('vibration'/exp OR 'motor vehicle'/exp OR 'car driving'/exp) OR (vibrat* OR ((driver OR drivers OR driving) NEAR/5 (automobile* OR bus OR buses OR car OR cars OR lorry OR lorries OR truck OR trucks OR professional OR vehicle*)) OR ((hand OR power) NEXT/1 tool*)):ab,kw,ti</td>
<td>172,278</td>
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<tr>
<td>Combined sets</td>
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<td>30.</td>
<td>15 AND 29 AND [(article)/lim OR [article in press]/lim OR [erratum]/lim OR [review]/lim) AND ([danish]/lim OR [english]/lim OR [norwegian]/lim OR [swedish]/lim) AND [2010-2014]/py</td>
<td>144</td>
</tr>
</tbody>
</table>
The search result, usually found at the end of the documentation, forms the list of abstracts.

/de= Term from the EMTREE controlled vocabulary  
/exp= Includes terms found below this term in the EMTREE hierarchy  
/mj = Major Topic  
:ab = Abstract  
:au = Author  
:ti = Article Title  
:ti:ab = Title or abstract  
* = Truncation  
“ ” = Citation Marks; searches for an exact phrase
**MEDLINE via OvidSP 2010-2014**

**Title:** Occupational exposure and upper extremity pain.

**Comment:** This SBU assessment is partially based on Veiersted B. et al. 2017, with last search 15 November 2015. On this page supplementary search strategies between 2010-2014 are documented. Search strategies which were conducted in compliance with the SBU assessment protocol.

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<th>Search terms</th>
<th>Items found</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Population: Neck pain, shoulder pain, arm pain</strong></td>
<td></td>
</tr>
<tr>
<td>1. exp Shoulder Pain/ or exp Neck Pain/</td>
<td>10,330</td>
</tr>
<tr>
<td>2. ((neck adj4 (ache* or complaint* or disease* or disorder* or disabilit* or dysfunction* or inflammation* or musculoskeletal or pain* or problem* or symptom* or syndrom*)) or (cervicalgia* or cervicodynia* or neckache* or neckpain* or cervical pain*) or (shoulder adj4 (ache* or complaint* or disease* or disorder* or disabilit* or dysfunction* or inflammation* or musculoskeletal or pain* or problem* or symptom* or syndrom*)) or ((arm or arms or axilla or carpal or elbow or elbows or forearm or forearms or finger or fingers or hand or hands or metacarpus or subacromial or humeral or humerus or gleno-humeral or pronator or rotator* or ulnar or upper extremit* or upper limb* or wrist or wrists) adj4 (ache* or complaint* or disease* or disorder* or disabilit* or dysfunction* or inflammation* or musculoskeletal or numbness or pain* or problem* or symptom* or syndrom*/))).ab,ti,kf.</td>
<td>80,094</td>
</tr>
<tr>
<td>3. 1 OR 2</td>
<td>83,513</td>
</tr>
<tr>
<td>4. (exp *Upper Extremity/ or *Arm/ or *Axilla/ or <em>Elbow/ or <em>Forearm/ or exp <em>hand/ or <em>fingers/ or metacarpus/ or <em>wrist/ or <em>Shoulder/ or exp <em>Neck/ or Ulnar Nerve/) and (exp <em>Pain/ or exp <em>Inflammation/ or exp <em>Fatigue/ or exp Muscle Fatigue/ or exp <em>/&quot;Wounds and Injuries&quot;/ or exp Musculoskeletal Pain or (ache</em> or complaint</em> or disease</em> or disorder</em> or disability</em> or dysfunction</em> or inflammation</em> or injury or injuries or numbness or pain</em> or problem</em> or symptom</em> or syndrom</em>).ti,kf.)</td>
<td>31,536</td>
</tr>
<tr>
<td><strong>Population: Neck injuries, shoulder injuries, arm injuries</strong></td>
<td></td>
</tr>
<tr>
<td>5. exp Neck injuries/ or exp arm injuries/ or exp hand injuries/ or exp wrist injuries/ or shoulder injuries/ or rotator cuff injuries/ or shoulder dislocation/ or Clavicle/in or elbow/in or exp hand/in or Scapula/in</td>
<td>69,950</td>
</tr>
<tr>
<td>6. ((neck adj4 injur*) or (shoulder adj4 injur*) or ((arm or arms or axilla or carpal or elbow or elbows or forearm or forearms or finger or fingers or hand or hands or metacarpus or subacromial or humeral or humerus or gleno-humeral or pronator or rotator* or ulnar or upper extremit* or upper limb* or wrist or wrists) adj4 injur*) or rotator cuff impingement*).ab,ti,kf.</td>
<td>21,400</td>
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<td>7. 5 OR 6</td>
<td>79,880</td>
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<tr>
<td><strong>Population: Specific diseases</strong></td>
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<tr>
<td>8. exp <em>Cumulative Trauma Disorders/ or exp Cubital tunnel syndrome/ or exp De quervain disease/ or exp Dupuytren Contracture/ or exp Raynaud Disease/ or Hand-Arm Vibration Syndrome/ or exp Elbow Tendinopathy/ or exp tennis elbow/ or exp carpal tunnel syndrome/ or exp Mononeuropathies/ or exp shoulder impingement syndrome/ or shoulder fractures/ or exp Tendinopathy/ or exp thoracic outlet syndrome/ or exp ulnar neuropathies/ or ulnar nerve compression syndromes/ or (carpal tunnel syndrome</em> or cervical radiculopathy* or cervical spondylitis or cervico-brachial syndrome* or cervico-brachialg* or cumulative trauma disorder* or cubital tunnel syndrome* or dupuytren or elbow tendinopathy* or epicondylit* or epicondylalg* or frozen shoulder* or geyson or hand-arm vibration syndrome* or hand tendinosis or median nerve compression* or median nerve entrapment* or mononeuropath* or wrist tendinosis or radial neuropath* or radial nerve compression* or radial nerve entrapment* or radial tunnel syndrome* or</td>
<td>63,054</td>
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</tbody>
</table>
raynaud disease* or quervain* or shoulder impingement syndrom* or strain injur* or subacromial impingement syndrom* or supinator syndrom* or (suprascapular* adj entrapment*) or tendinopathy* or tenosynovitis or tennis elbow* or thoracic outlet syndrom* or trapezius myalgia* or (ulnar adj3 neuropath*) or ulnar nerve compression* or ulnar nerve entrapment* or vibration disease* or vibration syndrom* or vibration-induced neuropath* or white finger*).ti,ab,kf.

Multisite
9. ((multi-site or multisite or multiple or outcome*) adj4 (musculoskeletal)).ab,ti,kf. 861

Combined sets
10. 3 OR 4 OR 7 OR 8 OR 9 207,711

Working conditions
11. exp Accidents, Occupational/ or exp Agriculture/ or exp computers/ or Employment/ or exp Industry/ or exp Occupations/ or exp Occupational Health/ or exp Occupational Diseases/ or exp Occupational Groups/ or exp Occupational Exposure/ or "Organization and Administration"/ or "technology, industry, and agriculture"/ or exp Transportation/ or exp Women, Working/ or exp Work/ or exp Workforce/ or exp Workplace/ 1,330,221

12. (load* or psychosocial or psycho social or work*).ti,kf. or (agricult* or ((computer* or desktop* or keyboard* or laptop or notebook* or screen) adj5 (use* or usage* or work*)) or employee* or employment* or exposure* or heavy load* or industry or industries or industrial or job or labour market participant* or laborers or loading or occupation* or personnel or staff or strain* or work or worker or workers or working or workplace* or workshift* or workstyl* or worktask*).ti,ab,kf. 3,288,582

13. 11 OR 12 3,965,428

Combined sets
14. 10 AND 13 29,533

Study design
15. controlled clinical trial/ or Exp epidemiologic studies/ or case-control studies/ or cohort studies/ or controlled before-after studies/ or cross-sectional studies/ or historically controlled study/ or interrupted time series analysis/ or follow-up studies/ or exp longitudinal studies/ or prospective studies/ or retrospective studies/ OR exp registries/ or exp "surveys and questionnaires"/ or exp data collection/ or pilot projects/ OR study characteristics/ or exp case reports/ or comparative study/ or observational study/ 6,969,213

16. (before-after or case-control* or casecontrol* or (case* adj3 (compar* or control* or referent))) or case-crossover or cohort* or comparative study or control group or cross section* or epidemiolog* or evaluat* or followup or (follow* adj up) or interview* or longitudinal or multivariate or odds ratio or observational or population based or pre-test* or pretest or posttest* or post test* or prepost* or pre-post* or prospective or questionnaire* or randomly or randomised or randomized or regression or retrospective or screening or selected control* or random sample* or representative sample* or study sample* or survey* or time-serie*).ti,ab,kf. 6,93,601

17. risk factors/ or (risk or risks or incidence* or prevalence).ti,kf. 1,237,393

18. 15 OR 16 OR 17 11,085,10

19. cross-sectional studies/ or cross section*.ti,ab,kf. 450,223

Combined sets: search strategy cross sectional studies 2010-2014 in compliance with protocol
20. (14 AND 19) NOT (animals/ not humans/) 2,049

Factors: Organisational and psychosocial factors
21. 21 AND (danish or english or norwegian or swedish) AND (yr="2010 - 2014") 422

22. exp burnout, psychological or "Bullying"/ or Communication/px or exp computers/ or exp "Employee Performance Appraisal"/ or exp "Interpersonal Relations"/ or Leadership/ or Motivation/ or exp "Organizational Culture"/ or exp "personnel staffing and scheduling"/ or exp "Personnel Downsizing"/ or prejudice/ or professional autonomy/ or ageism/ or homophobia/ or racism/ or sexism/ or xenophobia/ or exp psychology, industrial/ or psychosocial support systems/ or exp "Reinforcement (Psychology)"/ or screen time/ or exp "Social Support"/ or exp "Social Justice"/ or exp "Staff Development"/ or Exp "Stress, Psychological"/ or exp "Prejudice"/ or exp "Social Discrimination"/ or exp "Work Schedule Tolerance"/ or exp "Workplace Violence"/ 823,262
23. (burnout or burn out or ((computer* or desktop* or keyboard* or laptop or notebook* or screen) adj3 (use* or usage* or work*)) or (decision* adj2 (authorit* or latitude)) or (demand* adj2 (control or resource*)) or down siz* or downsizing or (effort adj2 (demand* or high or reward*)) or ((flexible or temporary) adj3 (job or work*)) or ((high or low) adj3 (control or demand*)) or (distance work* or distance work* or iso strain* or iso strain* or (interpersonal* or role) adj3 conflict*) or ageism or bullying or conflict* or discriminat* or fairness or harass* or homophobia or justice* or injustice* or racism or sexism or unfairness or xenophobia or ((job or biopsychosocial or employment or employee* or occupation* or organi?ation* or psycho social or psychosocial or psychological or work*) adj4 (condition* or environment* or factor* or politics or resource* or skills)) or ((job or employment or work*) adj2 (contingent or precarious or temporary)) or ((job or biopsychosocial or employment or employee* or occupation* or organi?ation* or psycho social or psychosocial or psychological or role or work*) adj5 (strain* or control or demand* or distress* or load* or overload or pace or pressure* or rate* or strain* or stress or stressor* or workload* or work load*)) or ((job or biopsychosocial or employment or employee* or occupation* or organi?ation* or psycho social or psychosocial or psychological or role or work*) adj5 (contract* or insecurity or security)) or ((job or biopsychosocial or employment or employee* or occupation* or organi?ation* or psycho social or psychosocial or psychological or work*) adj2 (commitment* or engagement* or involvement*)) or over commitment or ((job or employee* or biopsychosocial or flexible or long or occupation* or organi?ational or work*) adj2 (hour* or shift* or time*)) or day time or daytime or flexible work* or full time or full time or night shift or night shift or night time or nighttime or night work* or overnight or part time or part time or schedule* or shift work* or shift work* or work shift* or ((job or biopsychosocial or coworker* or co worker* or employment or employee* or leader* or manage* or occupation* or organi?ation* or psycho social or psychosocial or psychological or work*) adj4 (dissatisfact* or educat* or feed back or feedback or satisfact* or reward* or recovery or recuperation* or reinforcement* or support* or trust or well being)) or ((job or work*) adj organi?ation*) or pace constraint* or paced work or ((perceived or psychological or psychosocial or psycho social) adj4 (climate* or condition* or environment* or distress or exposure* or factor* or influence* or stress* or well-being)) or leadership* or ((occupation* or organi?ational adj4 (attitude* or change*)) or privat?ation or (reward* adj2 system*) or (role adj1 (ambiguity or conflict*)) or skill discretion* or social support* or staff development* or telework* or turnover or turn over or uncertainty or work pace*).

24. (burnout or burn out or ((computer* or desktop* or keyboard* or laptop or notebook* or screen) adj2 (use* or usage* or work*)) or (decision* adj2 (authorit* or latitude)) or (demand* adj2 (control or resource*)) or down siz* or downsizing or (effort adj2 (demand* or high or reward*)) or ((flexible or temporary) adj2 (job or work*)) or ((high or low) adj2 (control or demand*)) or distance work* or iso strain* or iso strain* or (interpersonal* or role) adj2 conflict*) or (job or employment or employee* or occupation* or organi?ation* or psycho social or psychosocial or psychological or work*) adj4 (ageism or bullying or conflict* or discriminat* or harass* or homophobia or justice* or injustice* or racism or sexism or xenophobia) or ((job or biopsychosocial or employment or employee* or occupation* or organi?ation* or psycho social or psychosocial or psychological or role or work*) adj4 (condition* or environment* or factor* or politics or resource* or skills)) or ((job or employment or work*) adj2 (contingent or precarious or temporary)) or ((job or biopsychosocial or employment or employee* or occupation* or organi?ation* or psycho social or psychosocial or psychological or role or work*) adj2 (commitment* or engagement* or involvement*)) or over commitment or ((job or employee* or biopsychosocial or flexible or long or occupation* or organi?ational or work*) adj2 (hour* or shift* or time*)) or day time or daytime or flexible work* or full time or full time or long hour* or night shift or night shift or night time or nighttime or night work* or night work* or over time or overtime or part time or part time or schedule* or shift work*.

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shiftwork* or workshift* or (job or biopsychosocial or coworker* or co worker* or employment or employee* or leader* or manage* or occupation* or organisati?on* or psycho social or psychosocial or psychological or work*) adj4 (dissatisfact* or educat* or feed back or feedback or satisfact* or reward* or recovery or recuperation* or reinforcement* or support* or trust or wellbeing or well being) or (job or work*) adj organi?ation* or pace constraint* or paced work or (perceived or psychological or psychosocial or psycho social) adj4 (condition* or environment* or distress or exposure* or factor* or influence* or stress* or well-being) or leadership* or (occupation* or organisati?onal) adj4 (attitude* or change*) or privati?ation or (reward* adj2 system*) or (role adj1 (ambiguity or conflict*)) or skill discretion* or social support* or staff development* or telework* or work pace*).ab.

AND limit to "pubmed not medline"

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<td>27.</td>
<td>26 AND limit to (yr=&quot;2010 - 2014&quot; and (danish or english or norwegian or swedish))</td>
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Factors: Hazardous Materials

| 28. | (Air Pollutants/ or Air pollution/ or exp complex mixtures/ or exp Environmental Pollution/ or exp "Fluids and Secretions"/ or exp Manufactured Materials/ or exp particulate matter/ or exp tobacco smoke pollution/ or Toxic Actions/ or solvents/ or exp Volatile Organic Compounds/) or ((job or employee* or biopsychosocial or occupation* or organi?ational or work*) and (airborne or dust or exhaust* or fume* or indoor air* or inhalat*)) or (passive adj2 smok*) or (hazardous adj2 (chemical* or material* or substance*)) or particle* or pollution* or poison* or radiation* or toxic action* or pesticide* or solvent*).ti,ab,kf. | 3,456,893 |
| 29. | (14 AND 18 AND 28) NOT (animals/ not humans/) | 2,528 |
| 30. | 29 AND limit to (yr="2010 - 2014" and (danish or english or norwegian or swedish)) | 514 |

Factors: Radiation

| 31. | (Air Pollution, Radioactive/ or exp Cold Temperature/ or exp Climate/ OR electromagnetic fields/ OR electromagnetic radiation/ OR exp Hot Temperature/ or Radiation/) or (((cold or hot) adj2 (climate* OR temperature*)) or electromagnetic* or gamma ray* or magnetic field*).ti,ab,kf. | 407,472 |
| 32. | (14 AND 18 AND 31) NOT (animals/ not humans/) | 477 |
| 33. | 32 AND limit to (yr="2010 - 2014" and (danish or english or norwegian or swedish)) | 70 |

Factors: Contagious substances

| 34. | "Communicable Diseases"/ or ((communicable adj2 disease*) or contagious* or infectious).ti,ab,kf. | 241,292 |
| 35. | (14 AND 18 AND 34) NOT (animals/ not humans/) | 207 |
| 36. | 35 AND limit to (yr="2010 - 2014" and (danish or english or norwegian or swedish)) | 31 |

Factors: Noise

| 37. | "Noise"/ or (noise* or noisy).ti,ab,kf. | 142,665 |
| 38. | (14 AND 18 AND 37) NOT (animals/ not humans/) | 133 |
| 39. | 38 AND limit to (yr="2010 - 2014" and (danish or english or norwegian or swedish)) | 18 |

Factors: Vibration

| 40. | ("Vibration"/ or exp *Transportation/ or "Automobile Driving"/ or "motor vehicles"/) or (automobile* or driving or driver* or buses or car or cars or truck* or lorry or lorries or "hand held tool**" or "hand tool**" or "power tool**" or vehicle* or vibrat*).ti,ab,kf. | 388,186 |
| 41. | (14 AND 18 AND 40) NOT (animals/ not humans/) | 2,261,342 |
| 42. | 38 AND limit to (yr="2010 - 2014" and (danish or english or norwegian or swedish)) | 342 |

Combined sets

| 43. | 27 AND 30 AND 33 AND 36 AND 39 AND 42 | 1,400 |
+ 21 | 422 |

The search result, usually found at the end of the documentation, forms the list of abstracts.

.ab. =Abstract

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.ab,ti. = Abstract or title
.af. = All fields
.Exp= Term from the Medline controlled vocabulary, including terms found below this term in the MeSH hierarchy
.sh. = Term from the Medline controlled vocabulary
.ti. = Title
/ = Term from the Medline controlled vocabulary, but does not include terms found below this term in the MeSH hierarchy
* = Focus (if found in front of a MeSH-term)
* or $= Truncation (if found at the end of a free text term)
.mp= text, heading word, subject area node, title
Title: Occupational exposure and upper extremity pain.

Comment: This SBU assessment is partially based on Veiersted B. et al. 2017, with last search 15 November 2015. On this page supplementary search strategies between 2010-2015 are documented. Search strategies which were conducted in compliance with the SBU assessment protocol.

Search strategies covering 2015 to the last updated search in august 2021 are to be found in separate documentations (Sökdokumentation 2/ Search strategies 2).


<table>
<thead>
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<th>Search terms</th>
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<td>8.</td>
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<td>5 OR 9</td>
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<td>TI(agricult* OR ((computer* OR keyboard* OR laptop OR mouse OR notebook OR screen*)) NS (duration* OR time OR usage* OR use OR view* OR work*)) OR employe* OR employment* OR exposure* OR &quot;heavy load*&quot; OR industry OR industries OR industrial OR job OR loading OR laborers OR ((heavy OR mechanical OR physical) W2 (load* OR factor* OR stress*)) OR occupation* OR office* OR personnel OR ((psychosocial OR psycho-social) NS (condition* OR environment* OR factor*)) OR staff OR strain* OR vibration* OR work*)</td>
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</table>
13. KW:(agricult* OR ((computer* OR keyboard* OR laptop OR mouse OR notebook OR screen*) OR exposure* OR "heavy load" OR industry OR industries OR industrial OR job OR loading OR laborers OR ((heavy OR mechanical OR physical) W2 (load* OR factor* OR stress*)) OR occupation* OR office* OR personnel OR (psychosocial OR psycho-social) N5 (condition* OR environment* OR factor*)) OR staff OR strain* OR vibration* OR work*))

NS (duration* OR time OR usage* OR use OR work*))) OR employe* OR employment* OR exposure* OR "heavy load" OR industry OR industries OR industrial OR job OR loading OR laborers OR ((mechanical OR physical) W2 (load* OR factor* OR stress*)) OR occupation* OR office* OR personnel OR (psychosocial OR psycho-social) N5 (condition* OR environment* OR factor*)) OR staff OR strain* OR vibration* OR work*)

14. AB:(agricult* OR ((computer* OR keyboard* OR laptop OR mouse OR notebook OR screen*) OR exposure* OR "heavy load" OR industry OR industries OR industrial OR job OR loading OR laborers OR ((mechanical OR physical) W2 (load* OR factor* OR stress*)) OR occupation* OR office* OR personnel OR (psychosocial OR psycho-social) N5 (condition* OR environment* OR factor*)) OR staff OR strain* OR vibration* OR work*))

15. 11 OR 12 OR 13 OR 14

Combined sets

16. 10 AND 15

Factors: Psychosocial and organisational factors


18. TI:(burnout OR "burn out" OR ((computer* OR desktop* OR keyboard* OR laptop OR "laptop" OR notebook* OR screen*) OR N3 (use* OR usage* OR work*)) OR (decision* N3 (authorit* OR latitude)) OR (demand* N3 (control OR resource*)) OR "down siz*" OR downsizing OR (effort N3 (demand* OR high OR reward*)) OR ((high OR low) N3 (control OR demand*)) OR (overcommitment* OR "overwork*" OR "distance work*" OR "iso strain" OR isostrain* OR (interpersonal* OR role) N3 (conflict*)) OR ageism OR bullying OR conflict* OR discriminat* OR fairness OR haras* OR homophobia OR justice* OR injustice* OR racism OR sexism OR unfairness OR xenophobia OR ((job OR employment OR work*) N3 (contingent OR precarious)) OR ((job OR biopsychosocial OR employment OR employee* OR occupation* OR organi?ation* OR "psycho social" OR psychosocial OR psychological OR role OR work*) N5 (condition* OR constrain* OR control OR demand* OR distress* OR environment* OR factor* OR load* OR overload OR pace OR pressure* OR rate* OR resource* OR skills OR strain* OR stress OR stressor* OR workload* OR "work load") OR ((job OR biopsychosocial OR employment OR employee* OR occupation* OR organi?ation* OR "psycho social" OR psychosocial OR psychological OR role OR work*) N5 (contract* OR insecurity OR security)) OR ((job OR biopsychosocial OR employment OR employee* OR occupation* OR organi?ation* OR "psycho social" OR psychosocial OR psychological OR role OR work*) N3 (commitment* OR engagement* OR involvement*)) OR overcommitment OR ((job OR employee* OR biopsychosocial OR flexible OR long OR occupation* OR organi?ational OR work*) N3 (flexible OR hour* OR shift* OR temporary OR time*)) OR "day time" OR daytime OR "full
The search result, usually found at the end of the documentation, forms the list of abstracts.

AB = Abstract
AU = Author
DE = Term from the thesaurus
MM = Major Concept
TI = Title
TX = All Text. Performs a keyword search of all the database's searchable fields
ZC = Methodology Index
* = Truncation
" " = Citation Marks; searches for an exact phrase

15 (29)
Scopus via Elsevier 2010-2020

**Title:** Occupational exposure and upper extremity pain.

**Comment:** This SBU assessment is partially based on Veiersted B. et al. 2017, with last search 15 November 2015. On this page supplementary search strategies between 2010-2015 are documented. Search strategies which were conducted in compliance with the SBU assessment protocol.

Search strategies covering 2015 to the last updated search in august 2021 are to be found in separate documentations (Sökdokumentation 2 /Search strategies 2)

%C3%A5rsak-til-muskel-og-skjelettplager.pdf.)

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<thead>
<tr>
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<th>Items found</th>
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<td><strong>Population:</strong> Neck pain, shoulder pain, arm pain</td>
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<tr>
<td>12. TITLE (&quot;carpal tunnel syndrome&quot; OR &quot;cervical radiculopathy&quot; OR &quot;cervical spondylosis&quot; OR &quot;cervicobrachial syndrome&quot; OR cervicobrachialgia OR &quot;cumulative trauma disorder&quot; OR &quot;cubital tunnel syndrome&quot; OR &quot;de quervain disease&quot; OR &quot;dupuytren contracture&quot; OR &quot;elbow tendinopathy&quot; OR epicondylit* OR epicondylalgia* OR &quot;frozen shoulder&quot; OR guyon OR &quot;hand-arm vibration syndrome&quot; OR &quot;hand tendinosis&quot; OR &quot;median nerve compression&quot; OR &quot;median nerve entrapment&quot; OR mononeuropathy OR &quot;radial neuropath&quot;* OR &quot;radial nerve compression&quot; OR &quot;radial nerve entrapment&quot; OR &quot;radial tunnel syndrome&quot; OR</td>
<td>22,016</td>
</tr>
</tbody>
</table>
"raynaud disease" OR "shoulder impingement syndrome" OR "shoulder fractures" OR "supinator syndrome" OR (suprascapular* W/2 entrapment) OR tendinopathy OR tendinosis OR tenosynovitis OR "tennis elbow" OR "thoracic outlet syndrome" OR "trapezius myalgia" OR "ulnar neuropathy" OR "ulnar nerve compression" OR "ulnar nerve entrapment" OR "vibration disease" OR "vibration syndrome" OR "vibration-induced neuropathy" OR "white finger" OR "wrist tendinosis")

13. KEY("carpal tunnel syndrome" OR "cervical radiculopathy" OR "cervical spondylosis" OR "cervicobrachial syndrome" OR cervicobrachialgia OR "cumulative trauma disorder" OR "cubital tunnel syndrome" OR "de quervain disease" OR "dupuytren contracture" OR "elbow tendinopathy" OR epicondylit* OR epicondylalgia* OR "frozen shoulder" OR guyon OR "hand-arm vibration syndrome" OR "hand tendinosis" OR "median nerve compression" OR "median nerve entrapment" OR mononeuropathy* OR "radial neuropathy" OR "radial nerve compression" OR "radial nerve entrapment" OR "radial tunnel syndrome" OR "raynaud disease" OR "shoulder impingement syndrome" OR "shoulder fractures" OR "supinator syndrome" OR (suprascapular* W/2 entrapment) OR tendinopathy OR tendinosis OR tenosynovitis OR "tennis elbow" OR "thoracic outlet syndrome" OR "trapezius myalgia" OR "ulnar neuropathy" OR "ulnar nerve compression" OR "ulnar nerve entrapment" OR "vibration disease" OR "vibration syndrome" OR "vibration-induced neuropathy" OR "white finger" OR "wrist tendinosis")

58,694

14. 12 OR 13

63,452

15. 6 OR 11 OR 14

427,102

Working conditions

16. TITLE computer* OR desktop* OR keyboard* OR laptop OR notebook* OR screen OR occupational OR psychosocial OR "psycho social" OR work)

705,602

17. TITLE-ABS-KEY(agricult* OR employee* OR "heavy work" OR "heavy works" OR industry* OR "job strain" OR "job strains" OR "occupational health" OR "occupational diseases" OR "occupational exposure" OR "occupational groups" OR "occupational injuries" OR office* OR personnel OR staff OR worker* OR workload* OR "work load" OR "work loads" OR worksite* OR workplace OR "work place" OR "work site" OR "work sites" OR "work related" OR "work condition" OR "work conditions" OR "work environment" OR "work environments" OR "workforce" OR "work force" OR "work strain" OR "work strains" OR "worktime" OR "work time" OR "working environment" OR "working environments" OR "working condition" OR "working conditions") OR (working W/2 (men OR person* OR people OR population* OR women)))

3,833,796

18. 16 OR 17

4,33,775

Combined sets

19. 15 AND 18

27,830

Study design

20. TITLE-ABS-KEY("before-after" OR "case-control" OR casecontrol* OR (case* W/2 (compar* OR control* OR referent)) OR "case-crossover" OR cohort* OR "control group" OR (cross PRE/1 section*) OR epidemiolog* OR evaluat* OR followup OR "follow up" OR interview* OR longitudinal OR multivariate OR observational OR "population based" OR "pre-test" OR pretest OR posttest* OR "post test" OR prepost* OR "pre-post" OR prospective OR questionnaire* OR randomly OR randomised OR randomized OR regression OR retrospective OR "selected control" OR "random sample" OR "representative sample" OR "study sample" OR survey* OR "time-serie")

15,462,591

Combined sets

21. 16 AND 17

16,232
Factors: Organisational and psychosocial factors

| 22. | TITLE-ABS-KEY(burnout OR "burn out" OR ((computer* OR desktop* OR keyboard* OR laptop* OR notebook* OR screen) W/3 (use* OR usage* OR work*)) OR (decision* W/2 (authorit* OR latitude)) OR (demand* W/2 (control OR resource*)) OR "down sizing" OR downsizing OR (effort W/2 (demand* OR high OR reward*)) OR ((flexible OR temporary) W/3 (job OR work*)) OR ((high OR low) W/2 (control OR demand*)) OR distancework* OR (distance PRE/1 work*) OR (iso PRE/1 strain*) OR isostrain* OR ((interpersonal* OR role) W/3 conflict*) OR ageism OR bullying OR conflict* OR discriminat* OR fairness OR harass* OR homophobia OR justice* OR injustice* OR racism OR sexism OR unfairness OR xenophobia OR ((job OR biopsychosocial OR employment OR employee* OR occupation* OR organisation* OR "psycho social" OR psychosocial OR psychological OR work*) W/4 (condition* OR environment* OR factor* OR politics OR resource* OR skills)) OR ((job OR employment OR work*) W/2 (contingent OR precarious OR temporary)) OR ((job OR biopsychosocial OR employment OR employee* OR occupation* OR organisation* OR "psycho social" OR psychosocial OR psychological OR role OR work*) W/5 (constrain* OR control OR demand* OR distress* OR load* OR overload OR pace OR pressure* OR rate* OR strain* OR stress OR stressor* OR workload* OR "work load*")) OR ((job OR biopsychosocial OR employment OR employee* OR occupation* OR organisation* OR "psycho social" OR psychosocial OR psychological OR role OR work*) W/5 (contract* OR insecurity OR security)) OR ((job OR biopsychosocial OR employment OR employee* OR occupation* OR organisation* OR "psycho social" OR psychosocial OR psychological OR role OR work*) W/2 (commitment* OR engagement* OR involvement*)) OR overcommitment OR ((job OR employee* OR biopsychosocial OR flexible OR long OR occupation* OR organisation* OR (organisation* OR work*) W/2 (hour* OR shift* OR time*)) OR "day time" OR daytime OR "flexible work*" OR "full time" OR fulltime OR nightshift OR "night shift" OR "night time" OR nighttime OR nightwork* OR "night work*" OR "over time" OR overtime OR "part time" OR parttime OR schedule* OR "shift-work*" OR shiftwork* OR workshift* OR ((job OR biopsychosocial OR coworker* OR "co worker*" OR employment OR employee* OR leader* OR manage* OR occupation* OR organisation* OR "psycho social" OR psychosocial OR psychological OR role OR work*) W/4 (dissatisfact* OR educat* OR "feed back" OR feedback OR satisfact* OR reward* OR recovery OR recuperation* OR reinforcement* OR support* OR trust OR wellbeing OR "well being") OR ((job OR work*) PRE/1 (organisation* OR organization*)) OR "pace constraint*" OR "paced work*" OR (perceived OR psychological OR psychosocial OR "psycho social") W/4 (climate* OR condition* OR environment* OR distress OR exposure* OR factor* OR influence* OR stress* OR "well-being") OR leadership* OR ((occupation* OR organisation* OR organization*) W/4 (attitude* OR change*)) OR privatisation OR privatization OR (reward* W/2 system*) OR (role PRE/1 (ambiguity OR conflict*)) OR "skill discretion*" OR "social support*" OR "staff development*" OR telework* OR turnover OR "turn over" OR uncertainty OR "work pace") |

Limits

| 23. | ( LIMIT-TO ( PUBYEAR , 2014 ) OR LIMIT-TO ( PUBYEAR , 2013 ) OR LIMIT-TO ( PUBYEAR , 2012 ) OR LIMIT-TO ( PUBYEAR , 2011 ) OR LIMIT-TO ( PUBYEAR , 2010 ) ) AND ( LIMIT-TO ( SUBJAREA , "MEDI" ) OR LIMIT-TO ( SUBJAREA , "HEAL" ) OR LIMIT-TO ( SUBJAREA , "SOCI" ) OR LIMIT-TO ( SUBJAREA , "NURS" ) OR LIMIT-TO ( SUBJAREA , "PSYC" ) OR LIMIT-TO ( SUBJAREA , "MULT" ) ) AND ( LIMIT-TO ( DOCTYPE , "ar" ) OR LIMIT-TO ( DOCTYPE , "re" ) ) AND ( LIMIT-TO ( EXACTKEYWORD , "Human" ) OR LIMIT-TO ( EXACTKEYWORD , "Humans" ) OR LIMIT-TO ( EXACTKEYWORD , "Article" ) OR LIMIT-TO ( EXACTKEYWORD , "Adult" ) ) AND ( LIMIT-TO ( LANGUAGE , "English" ) OR LIMIT-TO ( LANGUAGE , "Swedish" ) ) |

Combined sets

| 24. | 21 AND 22 AND 23 | 1,455 |

Factors: Hazardous Materials
25. TITLE-ABS-KEY((job OR biopsychosocial OR employment OR employee* OR occupation* OR organisation* OR organization* OR work*) AND ("air pollutants" OR "air pollution" OR airborne OR "complex mixtures" OR dust OR "environmental pollution" OR exhaust* OR fume* OR "indoor air*" OR inhalat* OR "manufactured materials" OR (passive W/2 smok*) OR (hazardous W/2 (chemical* OR material* OR substance*)) OR particle* OR pollution* OR poison* OR radiation* OR "toxic action*" OR pesticide* OR solvent* OR "volatile organic compounds"))

Combined sets

26. 21 AND 25 AND 23

Factors: Radiation

27. TITLE-ABS-KEY ("radioactive air pollution" OR climate OR ((cold OR hot) W/3 (climate* OR temperature*)) OR electromagnetic* OR gamma ray* OR "magnetic field*" OR radiat*)

Combined sets

28. 21 AND 27 AND 23

Factors: Contagious substances/Noise

29. TITLE-ABS-KEY((communicable W/3 disease*) OR contagious* OR infectious OR noise* OR noisy)

Combined sets

30. 21 AND 29 AND 23

Factors: Vibration

31. TITLE-ABS-KEY(automobile* OR driving OR driver* OR buses OR car OR cars OR truck* OR lorry OR lorries OR "hand held tool*" OR "hand tool*" OR "power tool*" OR transportation OR vehicle* OR vibrat*)

Combined sets

32. 21 AND 31 AND 23

The search result, usually found at the end of the documentation, forms the list of abstracts.

**TITLE-ABS-KEY** = Title or abstract or keyword  
**ALL** = All fields  
**PRE/n** = "precedes by". The first term in the search must precede the second by a specified number of terms (n).  
**W/n** = "within". The terms in the search must be within a specified number of terms (n) in any order.  
* = Truncation  
" " = Citation Marks; searches for an exact phrase  
**LIMIT TO ( SRCTYPE , "j" )** = Limit to source type journal
Sökdokumentation 2 /Search strategies

Embase via Elsevier August 16, 2021

Title: Occupational exposure and upper extremity pain. 2015-2021

Comment: This SBU assessment is partially based on Veiersted B. et al. 2017, with last search 15 Nov 2015. Supplementary searches 2010-2015 were conducted in compliance with this SBUs protocol. This present search documentation covers the years from 2015 to the last updated search on August 16 2021.


<table>
<thead>
<tr>
<th>Search terms</th>
<th>Items found</th>
</tr>
</thead>
<tbody>
<tr>
<td>Population: Neck pain, shoulder pain, arm pain</td>
<td></td>
</tr>
<tr>
<td>1. 'neck pain'/exp/mj OR 'shoulder pain'/exp/mj</td>
<td>9,749</td>
</tr>
<tr>
<td>2. (neck NEAR/4 (ache* OR complaint* OR disease* OR disorder* OR disabilit* OR dysfunction* OR inflammation* OR injur* OR musculoskeletal OR pain* OR problem* OR symptom* OR syndrom*)):kw,ti OR (cervicalgia* OR cervicodynia* OR neckache* OR neckpain* OR 'cervical pain'):kw,ti OR (shoulder NEAR/4 (ache* OR complaint* OR disease* OR disorder* OR disabilit* OR dysfunction* OR inflammation* OR injur* OR musculoskeletal OR pain* OR problem* OR symptom* OR syndrom*)):kw,ti OR ((arm OR arms OR axilla OR clavicle OR 'collar bone' OR carpal OR elbow OR forearm OR forearms OR finger OR fingers OR hand OR hands OR metacarpus OR subacromial OR humeral OR humerus OR 'gleno-humeral' OR wrist) NEAR/4 (ache* OR complaint* OR disease* OR disorder* OR disabilit* OR dysfunction* OR inflammation* OR injur* OR musculoskeletal OR pain* OR problem* OR symptom* OR syndrom*)):kw,ti OR ('multi site' OR multisite OR multiple OR outcome*):ab,kw,ti</td>
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<td>3. 1 OR 2</td>
<td>47,731</td>
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<tr>
<td>Population: Injuries, Specific diseases</td>
<td></td>
</tr>
<tr>
<td>4. 'arm injury'/exp/mj OR 'hand injury'/exp/mj OR 'neck injury'/exp/mj OR 'shoulder injury'/exp/mj OR 'rotator cuff injury'/exp/mj OR 'shoulder dislocation'/exp/mj OR 'wrist injury'/exp/mj</td>
<td>68,301</td>
</tr>
<tr>
<td>5. ('cumulative trauma disorder'/mj OR 'carpal tunnel syndrome'/mj OR 'cubital tunnel syndrome'/mj OR 'shoulder impingement syndrome'/mj OR 'De Quervain tenosynovitis'/mj OR 'Dupuytren contracture'/mj OR 'epicondilitis'/mj OR 'tennis elbow'/mj OR 'Raynaud phenomenon'/mj OR 'vibration disease'/exp/mj OR 'shoulder fracture'/exp/mj OR 'thorax outlet syndrome'/mj OR 'carpal tunnel syndrome' OR cervical radiculopathy* OR 'cervical spondylosis' OR 'cervicobrachial syndrome' OR cervicobrachialg* OR 'cumulative trauma disorder' OR &quot;cubital tunnel syndrome&quot; OR 'De Quervain tenosynovitis' OR 'Dupuytren contracture' OR 'elbow tendinopathy' OR 'epicondylitis' OR 'epicondylalgia* OR 'frozen shoulder' OR 'guyon' OR mononeuropathy OR 'other intrinsic nerve entrapment' OR 'radial tunnel syndrome' OR 'radial nerve compression' OR 'radial nerve entrapment' OR 'radial tunnel syndrome' OR 'subacromial impingement syndrome' OR &quot;supinator syndrome&quot; OR 'thorax outlet syndrome' OR 'ulnar nerve compression syndrome' OR 'ulnar nerve entrapment' OR 'tendinosis OR vibration disease' OR 'vibration syndrome' OR 'vibration-induced neuropathy' OR 'white finger' OR 'hand-arm vibration syndrome*'):kw,ti</td>
<td>47,448</td>
</tr>
<tr>
<td>6. 3 OR 4 OR S</td>
<td>141,162</td>
</tr>
<tr>
<td>Working conditions</td>
<td></td>
</tr>
<tr>
<td>7. 'employment'/exp OR 'employment of women'/exp OR 'industry and industrial phenomena'/exp/mj OR 'named groups by occupation'/exp OR 'occupation and occupation related phenomena'/exp OR 'occupational health'/exp OR 'occupation'/exp OR 'occupational disease'/exp OR 'occupational accident'/exp/mj OR 'occupational exposure'/exp OR 'traffic and transport'/exp OR 'work'/exp OR 'workforce'/exp OR 'work environment'/exp OR 'workload'/exp OR 'workplace'/exp</td>
<td>3,223,361</td>
</tr>
</tbody>
</table>
8. computer*:kw,ti OR employ*:kw,ti OR occupation*:kw,ti OR work*:kw,ti OR agricult*:ab,kw,ti OR (((computer* OR desktop* OR keyboard* OR laptop OR notebook* OR screen) NEAR/3 (use* OR usage* OR work*)):ab,kw,ti) OR employment:ab,kw,ti OR employee*:ab,kw,ti OR (((heav* OR physical* OR psychosocial OR ‘psycho social’) NEXT/2 (load* OR work*)):ab,kw,ti) OR industry:ab,kw,ti OR industries:ab,kw,ti OR industrial:ab,kw,ti OR laborers:ab,kw,ti OR occupation:ab,kw,ti OR occupations:ab,kw,ti OR occupational:ab,kw,ti OR staff:ab,kw,ti OR strain*:ab,kw,ti OR worker*:ab,kw,ti OR (((work* OR job) NEXT/3 (age* OR condition* OR context* OR distress* OR environment* OR exposure OR factor* OR load* OR place* OR related OR site* OR stress* OR style*)):ab,kw,ti) OR (((work* OR job) NEAR/2 (demand* OR force* OR men OR population OR people OR task* OR women)):ab,kw,ti) OR workload*:ab,kw,ti OR workplace*:ab,kw,ti OR workshift*:ab,kw,ti OR worksite*:ab,kw,ti OR workstyle*:ab,kw,ti OR worktask*:ab,kw,ti

2,794,194

9. 7 OR 8

Combined sets

5,253,942

10. 6 AND 9

38,103

Study design

11. 'case control study'/exp OR 'cohort analysis'/exp OR 'control group'/exp OR 'controlled clinical trial'/exp OR 'cross-sectional study'/exp OR 'epidemiology'/de OR 'follow up'/exp OR 'longitudinal study'/exp OR 'pretest posttest control group design'/exp OR 'pretest posttest design'/exp OR 'prospective study'/exp OR 'retrospective study'/exp OR 'comparative study' /exp OR 'questionnaire'/exp

6,480,877

12. ('before-after' OR 'case-control' OR casecontrol* OR (case NEXT/1 (compar* OR referent)) OR 'case-crossover' OR cohort* OR 'control group' OR (cross NEXT/2 section*) OR epidemiolog* OR experiment* OR followup OR 'follow up' OR 'intervention study' OR interview* OR longitudinal OR observational OR 'population based' OR 'pre-test' OR pretest OR posttest* OR 'post test' OR prepost OR 'pre-post' OR prospective OR questionnaire* OR randomly OR regression OR retrospective OR 'selected control' OR 'random sample' OR 'representative sample' OR 'study sample' OR survey* OR (time NEXT/1 serie*)):ab,kw,ti

9,717,952

13. 11 OR 12

11,869,204

Combined sets

14. (#10 AND #13) NOT ('animal'/exp OR 'nonhuman'/exp) NOT 'human'/exp

18,297

15. #14 AND [[article]/lim OR [article in press]/lim OR [editorial]/lim OR [erratum]/lim) AND ([danish]/lim OR [english]/lim OR [norwegian]/lim OR [swedish]/lim) AND [2015-2021]/py

5,216

The search result, usually found at the end of the documentation, forms the list of abstracts.

/de= Term from the EMTREE controlled vocabulary
/exp= Includes terms found below this term in the EMTREE hierarchy
/mj= Major Topic
/ab= Abstract
/au= Author
/ti= Article Title
/ti:ab= Title or abstract
* = Truncation
“ ” = Citation Marks; searches for an exact phrase
### MEDLINE via OvidSP August 16, 2021

**Title:** Occupational exposure and upper extremity pain. 2015-2021

Comment: This SBU assessment is partially based on Veiersted B. et al. 2017, with last search 15 Nov 2015. Supplementary searches 2010-2014 were conducted in compliance with this SBUs protocol. Supplementary search documents are titled: Sökdokumentation 1/Search strategies 1. This present search documentation covers the years from 2015 to the last updated search on August 16 2021.


### Search terms

<table>
<thead>
<tr>
<th>Search term</th>
<th>Items found</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Population: Neck pain, shoulder pain, arm pain</strong></td>
<td></td>
</tr>
<tr>
<td>1. exp Shoulder Pain/ or exp Neck Pain/</td>
<td>12,109</td>
</tr>
<tr>
<td>2. ((neck adj4 (ache* or complaint* or disease* or disorder* or disabilit* or dysfunction* or inflammation* or musculoskeletal or pain* or problem* or symptom* or syndrom*)) or (cervicalgia* or cervicodynia* or neckache* or neckpain* or cervical pain*) or (shoulder adj4 (ache* or complaint* or disease* or disorder* or disabilit* or dysfunction* or inflammation* or musculoskeletal or pain* or problem* or symptom* or syndrom*)) or ((arm or arms or axilla or carpal or elbow or elbows or forearm or forearms or finger or fingers or hand or hands or metacarpus or subacromial or humeral or humerus or gleno-humeral or pronator or rotator* or ulnar or upper extremit* or upper limb* or wrist or wrists) adj4 (ache* or complaint* or disease* or disorder* or disabilit* or dysfunction* or inflammation* or musculoskeletal or numbness or pain* or problem* or symptom* or syndrom*))) ab,ti,kf.</td>
<td>92,609</td>
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<tr>
<td>3. 1 OR 2</td>
<td>9,5653</td>
</tr>
<tr>
<td>4. (exp *Upper Extremity/ or *Arm/ or *Axilla/ or <em>Elbow/ or <em>Forearm/ or <em>hand/ or <em>fingers/ or metacarpus/ or <em>wrist/ or <em>Shoulder/ or exp <em>Neck/ or Ulnar Nerve/) and (exp <em>Pain/ or exp <em>Inflammation/ or exp <em>Fatigue/ or exp Muscle Fatigue/ or exp <em>&quot;Wounds and Injuries/ or exp Musculoskeletal Pain or (ache</em> or complaint</em> or disease</em> or disorder</em> or disabilit</em> or dysfunction</em> or inflammation</em> or injury or injuries or numbness or pain</em> or problem</em> or symptom</em> or syndrom</em>).idf.</td>
<td>33,652</td>
</tr>
<tr>
<td><strong>Population: Neck injuries, shoulder injuries, arm injuries</strong></td>
<td></td>
</tr>
<tr>
<td>5. exp Neck injuries/ or exp arm injuries/ or exp hand injuries/ or exp wrist injuries/ or shoulder injuries/ or rotator cuff injuries/ or shoulder dislocation/ or Clavicle/in or elbow/in or exp hand/in or Scapula/in</td>
<td>75816</td>
</tr>
<tr>
<td>6. , (neck adj4 injur*) or (shoulder adj4 injur*) or ((arm or arms or axilla or carpal or elbow or elbows or forearm or forearms or finger or fingers or hand or hands or metacarpus or subacromial or humeral or humerus or gleno-humeral or pronator or rotator* or ulnar or upper extremit* or upper limb* or wrist or wrists) adj4 injur*) or rotator cuff impingement*.idf.</td>
<td>24,318</td>
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<td>7. 5 OR 6</td>
<td>87,695</td>
</tr>
<tr>
<td><strong>Population: Specific diseases</strong></td>
<td></td>
</tr>
<tr>
<td>8. exp <em>Cumulative Trauma Disorders/ or exp Cubital tunnel syndrome/ or exp De quervain disease/ or exp Dupuytren Contracture/ or exp Raynaud Disease/ or Hand-Arm Vibration Syndrome/ or exp Elbow Tendinopathy/ or exp tennis elbow/ or exp carpal tunnel syndrome/ or exp Mononeuropathies/ or exp shoulder impingement syndrome/ or shoulder fractures/ or exp Tendinopathy/ or exp thoracic outlet syndrome/ or exp ulnar neuropathies/ or ulnar nerve compression syndromes/ or (carpal tunnel syndrome</em> or cervical radiculopathy* or cervical spondylosis or cervicobrachial syndrome* or cervicobrachialgia* or cumulative trauma disorder* or cubital tunnel syndrome* or dupuytren or elbow tendinopathy* or epicondylit* or epicondylalgia* or frozen shoulder* or guyon or hand-arm vibration syndrome* or hand tendinosis or median nerve compression* or median nerve entrapment* or mononeuropath* or wrist tendinosis or radial neuropath* or radial nerve compression* or radial nerve entrapment* or radial tunnel syndrome* or raynaud disease* or quervain* or shoulder impingement syndrom* or strain injur* or subacromial impingement syndrom* or supinator syndrom*</td>
<td>69,410</td>
</tr>
</tbody>
</table>
entrapment*) or tendinopathy* or tendinosis or tenosynovitis or tennis elbow* or thoracic outlet syndrom* or trapezius myalgia* or (ulnar adj3 neuropath*) or ulnar nerve compression* or ulnar nerve entrapment* or vibration disease* or vibration syndrom* or vibration-induced neuropath* or white finger*).ti,ab,kf.

### Multisite

9. ((multi-site or multisite or multiple or outcome*) adj4 (musculoskeletal)).ab,ti,kf.

#### Combined sets

10. 3 OR 4 OR 7 OR 8 OR 9

#### Working conditions

11. exp Accidents, Occupational/ or exp Agriculture/ or exp computers/ or Employment/ or exp Industry/ or exp Occupations/ or exp Occupational Health/ or exp Occupational Diseases/ or exp Occupational Groups/ or exp Occupational Exposure/ or "Organization and Administration"/ or "technology, industry, and agriculture"/ or exp Transportation/ or exp Women, Working/ or exp Work/ or exp Workforce/ or exp Workplace/

12. (load* or psychosocial or psycho social or work*).ti,kf. or (agricult* or ((computer* or desktop* or keyboard* or laptop or notebook* or screen) adj5 (use* or usage* or work*))) or employee* or employment* or exposure* or heavy load* or industry or industries or industrial or job or labour market participant* or laborers or loading or occupation* or personnel or staff or strain* or work or worker or workers or working or workplace* or workshift* or workstyl* or worktask*).ti,ab,kf.

13. 11 OR 12

#### Combined sets

14. 10 AND 13

#### Study design

15. controlled clinical trial/ or Exp epidemiologic studies/ or case-control studies/ or cohort studies/ or controlled before-after studies/ or cross-sectional studies/ or historically controlled study/ or interrupted time series analysis/ or follow-up studies/ or exp longitudinal studies/ or prospective studies/ or retrospective studies/ OR exp registries/ or exp "surveys and questionnaires"/ or exp data collection/ or pilot projects/ OR study characteristics/ or exp case reports/ or comparative study/ or observational study/

16. (before-after or case-control* or casecontrol* or (case* adj3 (control* or referent))) or case-crossover or cohort* or comparative study or control group or cross section* or epidemiolog* or evaluat* or followup or (follow* adj up) or interview* or longitudinal or multivariate or odds ratio or observational or population based or pre-test* or pretest or posttest* or post test* or prepost* or pre-post* or prospective or questionnaire* or randomly or randomised or randomized or regression or retrospective or selected control* or random sample* or representative sample* or study sample* or survey* or time-serie*).ti,ab,kf.

17. risk factors/ OR (risk OR risks OR inciden* OR prevalence).ti,kf.

18. 15 OR 16 OR 17

#### Combined sets

19. (14 AND 18) NOT (animals/ not humans/)

20. 20 AND (danish or english or norwegian or swedish) AND (yr="2015 - Current")

The search result, usually found at the end of the documentation, forms the list of abstracts.

.ab. =Abstract
.ab,ti. = Abstract or title
.af. = All fields
.exp. = Term from the Medline controlled vocabulary, including terms found below this term in the MeSH hierarchy
.sh. = Term from the Medline controlled vocabulary
.ti. = Title
.i. = Term from the Medline controlled vocabulary, but does not include terms found below this term in the MeSH hierarchy
* = Focus (if found in front of a MeSH-term)
* or $= Truncation (if found at the end of a free text term)
.mp=text, heading word, subject area node, title

www.sbu.se/349
Title: Occupational exposure and upper extremity pain. 2015-2021

Comment: This SBU assessment is partially based on Veiersted B. et al. 2017, with last search 15 Nov 2015. Supplementary searches 2010-2014 were conducted in compliance with this SBUs protocol. Supplementary search documents are titled: Sökdokumentation 1 /Search strategies 1. This present search documentation covers the years from 2015 to the last updated search on August 16 2021.


<table>
<thead>
<tr>
<th>Search terms</th>
<th>Items found</th>
</tr>
</thead>
<tbody>
<tr>
<td>2. TI((((arm OR arms OR axilla OR carpal OR elbow OR forearm OR forearms OR finger OR fingers OR hand OR hands OR metacarpus OR subacromial OR humeral OR humerus OR gleno-humeral OR pronator OR rotator* OR ulnar OR upper extremi* OR upper limb* OR wrist OR wrists) N4 (ache* OR complaint* OR disorder* OR disabilit* OR dysfunction* OR inflammation* OR injur* OR musculoskeletal OR numbness OR outcome* OR pain* OR problem* OR symptom* OR syndrom*)) OR ((musculoskeletal OR muscle*) N4 (ache* OR complaint* OR disorder* OR disability* OR dysfunction* OR inflammation* OR injur* OR numbness OR outcome* OR pain* OR problem* OR symptom* OR syndrom*)) OR (neck N4 (ache* OR complaint* OR disorder* OR disability* OR dysfunction* OR inflammation* OR injur* OR outcome* OR pain* OR problem* OR symptom* OR syndrom*)) OR (cervicalgia* OR cervicodynia* OR neckache* OR neckpain OR &quot;cervical pain&quot;) OR (shoulder N4 (ache* OR complaint* OR disorder* OR disability* OR dysfunction* OR inflammation* OR injur* OR outcome* OR pain* OR problem* OR symptom* OR syndrom*)) OR &quot;rotator cuff impingement&quot; OR ((&quot;multi-site&quot; OR multisite OR multiple OR more OR outcome*) N4 musculoskeletal))</td>
<td>3,765</td>
</tr>
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<td>3. KW((((arm OR arms OR axilla OR carpal OR elbow OR forearm OR forearms OR finger OR fingers OR hand OR hands OR metacarpus OR subacromial OR humeral OR humerus OR gleno-humeral OR pronator OR rotator* OR ulnar OR upper extremi* OR upper limb* OR wrist OR wrists) N4 (ache* OR complaint* OR disorder* OR disabilit* OR dysfunction* OR inflammation* OR injur* OR musculoskeletal OR numbness OR outcome* OR pain* OR problem* OR symptom* OR syndrom*)) OR ((musculoskeletal OR muscle*) N4 (ache* OR complaint* OR disorder* OR disability* OR dysfunction* OR inflammation* OR injur* OR outcomes OR numbness OR outcome* OR pain* OR problem* OR symptom* OR syndrom*)) OR (neck N4 (ache* OR complaint* OR disorder* OR disability* OR dysfunction* OR inflammation* OR injury OR outcome* OR pain* OR problem* OR symptom*)) OR (cervicalgia* OR cervicodynia* OR neckache* OR neckpain OR &quot;cervical pain&quot;) OR (shoulder N4 (ache* OR complaint* OR disorder* OR disability* OR dysfunction* OR inflammation* OR injury OR outcome OR pain* OR problem* OR symptom*)) OR ((&quot;multi-site&quot; OR multisite OR multiple OR outcome*) N4 musculoskeletal))</td>
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Population: Specific diseases

5. 1 OR 2 OR 3 OR 4 22,468

6. TI("carpal tunnel syndrom*" OR "cervical radiculopath*" OR "cervical spondylosis" OR "cervicobrachial syndrom*" OR cervicobrachialgi OR "cumulative trauma disorder*" OR "cubital tunnel syndrom*" OR dupuytren OR "elbow tendinopath*" OR epicondylitis OR epicondylalgia OR "frozen shoulder*" OR guyon OR "hand-arm vibration syndrom*" OR "hand tendinosis" OR "median nerve compression*" OR "median nerve entrapment*" OR mononeuropath* OR "wrist tendinosis" OR "radial neuropath*" OR "radial nerve compression*" OR "radial nerve entrapment*" OR "radial tunnel syndrom*" OR "raynaud disease*" OR quervain* OR shoulder impingement syndrom* OR strain injur* OR "subacromial "impingement syndrom*" OR "supinator syndrom*" OR (suprascapular* W1 entrapment*) OR tendinopathy* OR tendinosis OR tenosynovitis OR "tennis elbow*" OR "thoracic outlet syndrom*" OR "trapezius myalgia*" OR (ulnar* W3 neuropath*) OR "ulnar nerve compression*" OR "ulnar nerve entrapment*" OR "vibration disease*" OR "vibration syndrom*" OR "vibration-induced neuropath*" OR "white finger") 484

7. KW("carpal tunnel syndrom*" OR "cervical radiculopath*" OR "cervical spondylosis" OR "cervicobrachial syndrom*" OR cervicobrachialgi OR "cumulative trauma disorder*" OR "cubital tunnel syndrom*" OR dupuytren OR "elbow tendinopath*" OR epicondylitis OR epicondylalgia OR "frozen shoulder*" OR guyon OR "hand-arm vibration syndrom*" OR "hand tendinosis" OR "median nerve compression*" OR "median nerve entrapment*" OR mononeuropath* OR "wrist tendinosis" OR "radial neuropath*" OR "radial nerve compression*" OR "radial nerve entrapment*" OR "radial tunnel syndrom*" OR "raynaud disease*" OR quervain* OR shoulder impingement syndrom* OR strain injur* OR subacromial "impingement syndrom*" OR "supinator syndrom*" OR (suprascapular* W1 entrapment*) OR tendinopathy* OR tendinosis OR tenosynovitis OR "tennis elbow*" OR "thoracic outlet syndrom*" OR "trapezius myalgia*" OR (ulnar* W3 neuropath*) OR "ulnar nerve compression*" OR "ulnar nerve entrapment*" OR "vibration disease*" OR "vibration syndrom*" OR "vibration-induced neuropath*" OR "white finger") 686

8. AB("carpal tunnel syndrom*" OR "cervical radiculopath*" OR "cervical spondylosis" OR "cervicobrachial syndrom*" OR cervicobrachialgi OR "cumulative trauma disorder*" OR "cubital tunnel syndrom*" OR dupuytren OR "elbow tendinopath*" OR epicondylitis OR epicondylalgia OR "frozen shoulder*" OR guyon OR "hand-arm vibration syndrom*" OR "hand tendinosis" OR "median nerve compression*" OR "median nerve entrapment*" OR mononeuropath* OR "wrist tendinosis" OR "radial neuropath*" OR "radial nerve compression*" OR "radial nerve entrapment*" OR "radial tunnel syndrom*" OR "raynaud disease*" OR quervain* OR shoulder impingement syndrom* OR strain injur* OR "subacromial "impingement syndrom*" OR "supinator syndrom*" OR (suprascapular* W1 entrapment*) OR tendinopathy* OR tendinosis OR tenosynovitis OR "tennis elbow*" OR "thoracic outlet syndrom*" OR "trapezius myalgia*" OR (ulnar* W3 neuropath*) OR "ulnar nerve compression*" OR "ulnar nerve entrapment*" OR "vibration disease*" OR "vibration syndrom*" OR "vibration-induced neuropath*" OR "white finger") 1,110

9. 6 OR 7 OR 8 1,341

10. 5 OR 9 23,168
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<th>KW-agricult* OR ((computer* OR keyboard* OR laptop OR mouse OR notebook OR screen*)) N5 (duration* OR time OR usage* OR use OR work*)) OR employe* OR employment* OR exposure* OR &quot;heavy load&quot;* OR industry OR industries OR industrial OR job OR loading OR laborers OR ((heavy OR mechanical OR physical) W2 (load* OR factor* OR stress*)) OR occupation* OR office* OR personnel OR ((psychosocial OR psycho-social) N5 (condition* OR environment* OR factor*))) OR staff OR strain* OR vibration* OR work*)</th>
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<td>10 AND 15</td>
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The search result, usually found at the end of the documentation, forms the list of abstracts.

AB = Abstract
AU = Author
DE = Term from the thesaurus
MM = Major Concept
TI = Title
TX = All Text. Performs a keyword search of all the database's searchable fields
ZC = Methodology Index
* = Truncation
“” = Citation Marks; searches for an exact phrase
Scopus via Elsevier 15 August, 2019

**Title: Occupational exposure and upper extremity pain. 2015-2021**

Comment: This SBU assessment is partially based on Veiersted B. et al. 2017, with last search 15 Nov 2015. Supplementary searches 2010-2015 were conducted in compliance with this SBUs protocol. Supplementary search documents are titled: Sökdokumentation 1/ Search strategies 1. This present search documentation covers the years from 2015 to the last updated search on 15 August 2021


### Search terms

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<th>Search terms</th>
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<td>2. TITLE(shoulder AND (ache* OR complaint* OR disease* OR disorder* OR disabilit* OR dysfunction* OR inflammation* OR injury OR injuries OR musculoskeletal OR pain* OR problem* OR symptom* OR syndrom*))</td>
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<td>6. 1 OR 2 OR 3 OR 4 OR 5</td>
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<td>11. 7 OR 8 OR 9 OR 10</td>
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<td>12. TITLE (&quot;carpal tunnel syndrome&quot; OR &quot;cervical radiculopathy&quot; OR &quot;cervical spondylosis&quot; OR &quot;cervicobrachial syndrome&quot; OR cervicobrachial OR &quot;cumulative trauma disorder&quot; OR &quot;cumulative trauma syndrome&quot; OR &quot;de quervain disease&quot; OR &quot;dupuytren contracture&quot; OR &quot;elbow tendinopathy&quot; OR epicondyl* OR epicondylalgia* OR &quot;frozen shoulder&quot; OR guyon OR &quot;hand-arm vibration syndrome&quot; OR &quot;hand tendinopathy&quot; OR &quot;median nerve compression&quot; OR &quot;median nerve entrapment&quot; OR mononeuropathy* OR &quot;radial neuropathy&quot; OR &quot;radial nerve compression&quot; OR &quot;radial nerve entrapment&quot; OR &quot;radial tunnel syndrome&quot; OR &quot;raynaud disease&quot; OR &quot;shoulder impingement syndrome&quot; OR &quot;shoulder fractures&quot; OR &quot;supinator syndrome&quot; OR (suprascapular W/2 entrapment) OR tendinopathy OR &quot;tendinopathy&quot;)</td>
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tendinosis OR tenosynovitis OR "tennis elbow" OR "thoracic outlet syndrome" OR "trapezius myalgia" OR "ulnar neuropathy" OR "ulnar nerve entrapment" OR "vibration disease" OR "vibration syndrome" OR "vibration-induced neuropathy" OR "white finger" OR "wrist tendinosis")

| 13. | KEY("carpal tunnel syndrome" OR "cervical radiculopathy" OR "cervical spondylosis" OR "cervicobrachial syndrome" OR cervicobrachialgia OR "cumulative trauma disorder" OR "cubital tunnel syndrome" OR "de quervain disease" OR "dupuytren contracture" OR "elbow tendinopathy" OR epicondylit* OR epicondylalgia* OR "frozen shoulder" OR guyon OR "hand-arm vibration syndrome" OR "hand tendinosis" OR "median nerve compression" OR "median nerve entrapment" OR mononeuropathy* OR "radial neuropath* OR "radial nerve compression" OR "radial nerve entrapment" OR "radial tunnel syndrome" OR "raynaud disease" OR "shoulder impingement syndrome" OR "shoulder fractures" OR "supinator syndrome" OR (suprascapular* W/2 entrapment) OR tendinopathy OR tendinosis OR tenosynovitis OR "tennis elbow" OR "thoracic outlet syndrome" OR "trapezius myalgia" OR "ulnar neuropathy" OR "ulnar nerve compression" OR "ulnar nerve entrapment" OR "vibration disease" OR "vibration syndrome" OR "vibration-induced neuropathy" OR "white finger" OR "wrist tendinosis") | 58,694 |
| 14. | 12 OR 13 | 63,452 |
| 15. | 6 OR 11 OR 14 | 427,102 |

**Working conditions**

| 16. | TITLE (computer* OR desktop* OR keyboard* OR laptop OR notebook* OR screen OR occupational OR psychosocial OR "psycho social" OR work) | 705,602 |
| 17. | TITLE-ABS-KEY(agricult* OR employee* OR "heavy work" OR "heavy works" OR industr* OR "job strain" OR "job strains" OR "occupational health" OR "occupational diseases" OR "occupational exposure" OR "occupational groups" OR "occupational injuries" OR office* OR personnel OR staff OR worker* OR workload* OR "work load" OR "work loads" OR worksite* OR workplace OR "work place" OR "work site" OR "work sites" OR "work related" OR "work condition" OR "work conditions" OR "work environment" OR "work environments" OR workforce* OR "work force" OR "work strain" OR "work strains" OR "workplace OR "work time" OR "working environment" OR "working environments") OR (working W/2 (men OR person* OR people OR population* OR women)) | 3,833,796 |
| 18. | 16 OR 17 | 4,331,775 |

**Combined sets**

| 19. | 15 AND 18 | 27,830 |

**Study design**

| 20. | TITLE-ABS-KEY("before-after" OR "case-control" OR casecontrol* OR (case* W/2 (compar* OR control* OR referent)) OR "case-crossover" OR cohort* OR "control group" OR (cross PRE/1 section*) OR epidemiolog* OR evaluat* OR followup OR "follow up" OR interview* OR longitudinal OR multivariate OR observational OR "population based" OR "pre-test" OR pretest OR posttest* OR "post test" OR prepost* OR "pre-post" OR prospective OR questionnaire* OR randomly OR randomised OR randomized OR regression OR retrospective OR "selected control" OR "random sample" OR "representative sample" OR "study sample" OR survey* OR "time-serie") | 15,462,591 |

**Combined sets**

| 21. | 19 AND 20 | 28,341 |

**Limits**

| 22. | (LIMIT-TO ( PUBYEAR , 2020 ) OR LIMIT-TO ( PUBYEAR , 2019 ) OR LIMIT-TO ( PUBYEAR , 2018 ) OR LIMIT-TO ( PUBYEAR , 2017 ) OR LIMIT-TO ( PUBYEAR , 2016 ) OR LIMIT-TO ( PUBYEAR , 2015 ) ) AND ( LIMIT-TO ( SUBJAREA , "MEDI" ) OR LIMIT-TO ( SUBJAREA , "HEAL" ) OR LIMIT-TO ( SUBJAREA , "SOCI" ) OR LIMIT-TO ( SUBJAREA , "NURS" ) OR LIMIT-TO ( SUBJAREA , "PSYC" ) OR LIMIT-TO ( SUBJAREA , "BUSI" ) OR LIMIT-TO ( SUBJAREA , "MULT" ) OR LIMIT-TO ( SUBJAREA , "Undefined" ) ) AND ( LIMIT-TO ( PUBSTAGE , "final" ) OR LIMIT-TO ( PUBSTAGE , "aip" ) ) AND ( LIMIT-TO ( LANGUAGE , "English" ) ) AND ( LIMIT-TO ( SRCTYPE , "j" ) ) | 9,621 |

www.sbu.se/349
The search result, usually found at the end of the documentation, forms the list of abstracts.

**TITLE-ABS-KEY** = Title or abstract or keywords  
**ALL** = All fields  
**PRE/n** = "precedes by". The first term in the search must precede the second by a specified number of terms (n).  
**W/n** = "within". The terms in the search must be within a specified number of terms (n) in any order.  
***"** = Truncation  
**"** = Citation Marks; searches for an exact phrase

**LIMIT-TO** ( SRCTYPE , "j" ) = Limit to source type journal