



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)

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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).

(Veiersted B. et al. Mekaniske eksponeringer i arbeid som årsak til muskel- og skjelettplager– en kunnskapsstatus. STAMI-rapport 2017:6. Available from: <https://stami.no/content/uploads/2018/01/Mekaniske-eksponeringer-i-arbeid-som-%C3%A5rsak-til-muskel-og-skjelettplager.pdf>.)

Search terms	Items found
Population: Neck pain, shoulder pain, arm pain	
1. 'neck pain'/exp/mj OR 'shoulder pain'/exp/mj	8,423
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	44,423
3. 1 OR 2	46,342
Population: Injuries, Specific diseases	
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	62,321
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'/exp/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 radiculopath* 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 epicondylit* OR epicondylalgi* 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	42,262
6. 3 OR 4 OR 5	130,447
Working conditions	
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	2,757,615

	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	
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 employe*: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 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 (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 worktask*:ab,kw,ti OR (work NEXT/1 task*):ab,kw,ti	2,408,120
9.	7 OR 8	4,183,664
Combined sets		
10.	6 AND 9	34,255
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	5,319,824
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	8,161,222
13.	11 OR 12	10,046,360
14.	'cross-sectional study'/exp OR (cross NEXT/2 section*)	504,809
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)	1,801
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	390
Factors: Organisational and psychosocial		
17.	'boredom'/exp OR 'bullying'/exp OR 'interpersonal communication'/exp/mj OR 'job adaptation'/exp OR 'coping behavior'/exp/mj OR 'job 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 'organizational 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/mj OR 'work schedule'/exp/mj OR 'working time'/exp/mj OR 'workplace violence'/exp/mj	1,210,748
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 'iso strain' OR isostrain* OR ((job OR biopsychosocial OR control OR employee* OR organi?ation* 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 organi?ation* OR	829,794

	psychosocial OR "psycho social" OR work*) NEAR/2 ('down-siz*' OR downsiz* OR insecurit* OR securit* OR privatization*) OR ((job OR biopsychosocial OR control OR employee* OR high OR low OR organi?ation* 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 organi?ational OR superior* OR cowork* OR "co work*" OR social OR work*) NEAR/2 support*) OR ((perceived OR psychological OR psychosocial OR "psycho social") NEAR/2 (condition* 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 nightwork* OR "occupational stress*" OR "over time" 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	
19.	17 OR 18	1,967,448
Combined sets		
20.	19 AND 13 NOT (('animal'/exp OR 'nonhuman'/exp) NOT 'human'/exp)	1,224
21.	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	263
Factors: Hazardous materials and radiation		
22.	('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 "gamma-rays" OR (hot NEXT/2 (response* OR temperature* OR test*)) OR (hazardous NEXT/2 (chemical* OR material* OR substance*)) OR 'indoor air' OR radiation OR (smok* NEAR/4 pollut*) OR 'passive smoking' OR 'toxic actions' OR pesticide* OR poison* OR solvent*):ab,kw,ti	2,080,309
23.	15 AND 22 NOT (('animal'/exp OR 'nonhuman'/exp) NOT 'human'/exp)	686
24.	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	125
Factors: Contagious substances		
25.	'communicable disease'/exp OR (communicable NEXT/1 disease*):ab,kw,ti OR contagious:ab,kw,ti	46,487
Combined sets		
26.	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	4
Factors: Noise		
27.	'noise'/exp OR noise*:ab,kw,ti	165,582
Combined sets		
28.	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	10
Factors: Vibration		
29.	('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	172,278
Combined sets		
30.	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	144

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.

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Search terms	Items found
Population: Neck pain, shoulder pain, arm pain	
1. exp Shoulder Pain/ or exp Neck Pain/	10,330
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.	80,094
3. 1 OR 2	83,513
4. (exp *Upper Extremity/ or *Arm/ or *Axilla/ or *Elbow/ or *Forearm/ or exp *hand/ or *fingers/ or metacarpus/ or *wrist/ or *Shoulder/ or exp *Neck/ or Ulnar Nerve/) and (exp *Pain/ or exp *Inflammation/ or exp *Fatigue/ or exp Muscle Fatigue/ or exp *"Wounds and Injuries"/ or exp Musculoskeletal Pain or (ache* or complaint* or disease* or disorder* or disability* or dysfunction* or inflammation* or injury or injuries or numbness or pain* or problem* or symptom* or syndrom*).ti,kf.)	31,536
Population: Neck injuries, shoulder injuries, arm injuries	
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	69,950
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.	21,400
7. 5 OR 6	79,880
Population: Specific diseases	
8. exp *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 syndrom* or cervical radiculopath* or cervical spondylosis or cervicobrachial syndrom* or cervicobrachialg* or cumulative trauma disorder* or cubital tunnel syndrom* or dupuytren or elbow tendinopath* or epicondylit* or epicondylalgi* 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	63,054

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 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.	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 Workload/ 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 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 inciden* 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
21.	21 AND (danish or english or norwegian or swedish) AND (yr="2010 - 2014")	422
Factors: Organisational and psychosocial factors		
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 distancework* or distance work* or iso strain* or isostrain* 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 (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 organi?ation* or psycho social or psychosocial or psychological 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 overcommitment 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 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 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 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 (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 privati?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*).ti,kf.
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 distancework or iso strain* or isostrain* 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 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 (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 organi?ation* or psycho social or psychosocial or psychological or work*) adj4 (contract* or insecurity or security or turnover or turn over)) 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 overcommitment 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 fulltime or long hour* 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 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 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 organi?ational) 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"

25.	22 OR 23 OR 24	1,086,582
Combined sets		
26.	(14 AND 18 AND 25) NOT (animals/ not humans/)	2,801
27.	26 AND limit to (yr="2010 - 2014" and (danish or english or norwegian or swedish))	632
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 + 21	1,400
		422

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

/ = 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

PsycInfo via EBSCO 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 2010-2015 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)

(Veiersted B. et al. Mekaniske eksponeringer i arbeid som årsak til muskel- og skjelettplager– en kunnskapsstatus. STAMI-rapport 2017:6. Available from: <https://stami.no/content/uploads/2018/01/Mekaniske-eksponeringer-i-arbeid-som-%C3%A5rsak-til-muskel-og-skjelettplager.pdf>.)

Search terms	Items found
Population: Upper extremity pain	
1. DE "Musculoskeletal Disorders" OR DE "Joint Disorders" OR DE "Arm (Anatomy)" OR DE "Elbow (Anatomy)" OR DE "Fingers (Anatomy)" OR DE "Hand (Anatomy)" OR DE "Neck (Anatomy)" OR DE "Palm (Anatomy)" OR DE "Shoulder (Anatomy)" OR DE "Thumb" OR DE "Wrist"	11,294
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 extremit* 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 "cervical pain*") 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 "rotator cuff impingement*" OR ("multi-site" OR multisite OR multiple OR outcome*) N4 musculoskeletal))	3,345
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 extremit* 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 injury OR injuries 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 injuries OR outcome* OR pain* OR problem* OR symptom* OR syndrom*)) OR (cervicalgia* OR cervicodynia* OR neckache* OR neckpain* OR "cervical pain*") OR (shoulder N4 (ache* OR complaint* OR disorder* OR disability* OR dysfunction* OR inflammation* OR injury OR injuries OR outcome* OR pain* OR problem* OR symptom*)) OR ("multi-site" OR multisite OR multiple OR outcome*) N4 musculoskeletal))	3,884
4. AB(((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 extremit* 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 (neck N4 (ache* OR complaint* OR disorder* OR disability* OR dysfunction* OR inflammation* OR injury OR injuries OR outcome* OR pain* OR problem* OR symptom*)) OR (cervicalgia* OR cervicodynia* OR neckache* OR neckpain* OR cervical pain*) OR (shoulder N4 (ache* OR complaint* OR disorder* OR disability* OR	8,513

	dysfunction* OR inflammation* OR injury OR injuries OR outcome* OR pain* OR problem* OR symptom*) OR (("multi-site" OR multisite OR multiple OR outcome*) N4 musculoskeletal))	
5.	1 OR 2 OR 3 OR 4	20,254
Population: Specific diseases		
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 epicondylit* 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 tendinopath* 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*")	450
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 epicondylit* 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*")	647
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 epicondylit* 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 tendinopath* 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*")	1,047
9.	6 OR 7 OR 8	1,132
10.	5 OR 9	20,905
Working conditions		
11.	DE "Dual Careers" OR "Employment Status" OR DE "Family Work Relationship" OR DE "Job Characteristics" OR DE "Occupations" OR DE "Occupational Attitudes" OR DE "Occupational Exposure" OR DE "Occupational Health" OR DE "Occupational Safety" OR DE "Occupational Safety" OR DE "Occupational Stress" OR DE "Personnel" OR DE "Work (Attitudes Toward)" OR DE "Work Load" OR DE "Work Related Illnesses" OR DE "Working Conditions" OR DE Working Space OR DE "Working Women" OR DE "Workplace Intervention"	96,647
12.	TI (agricult* OR ((computer* OR keyboard* OR laptop OR mouse OR notebook OR screen*) N5 (duration* OR time OR usage* OR use OR view* OR work*)) OR employe* OR employment* 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*)	240,094

13.	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 "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*)	296,068
14.	AB(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 "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*)	1,184,222
15.	<i>11 OR 12 OR 13 OR 14</i>	<i>1,181,181</i>
Combined sets		
16.	<i>10 AND 15</i>	<i>5,609</i>
Factors: Psychosocial and organisational factors		
17.	DE "Age Discrimination" OR DE "Ageism" OR DE "Bullying" OR DE "Boredom" OR DE "Computer Anxiety" OR DE "Computer Attitudes" OR DE "Decentralization" OR DE "Disability Discrimination" OR DE "Diversity in the Workplace" OR DE "Downsizing" OR DE "Employee Efficiency" OR DE "Employee Motivation" OR DE "Employee Productivity" OR DE "Employee Retention" OR DE "Employee Skills" OR DE "Employee Turnover" OR DE "Employee Interaction" OR DE "Employment Discrimination" OR DE "Employment Status" OR DE "Equity (Payment)" OR DE "Harassment" OR DE "Human Resource Management" OR DE "Human Technology Interaction" OR DE "Human Computer Interaction" OR DE "Job Enrichment" OR DE "Job Performance" OR DE "Job Satisfaction" OR DE "Leadership" OR DE "Leader Member Exchange Theory" OR DE "Leadership Qualities" OR DE "Leadership Style" OR DE "Transactional Leadership" OR DE "Transformational Leadership" OR DE "Management" OR DE "Occupational Adjustment" OR DE "Occupational Attitudes" OR DE "Organizational Citizenship Behavior" OR DE "Organizational Effectiveness" OR DE "Occupational Safety" OR DE "Occupational Status" OR DE "Occupational Stress" OR DE "Occupational Success" OR DE "Occupational Tenure" OR DE "Organizational Behavior" OR DE "Organizational Change" OR DE "Organizational Characteristics" OR DE "Organizational Climate" OR DE "Organizational Politics" OR DE "Organizational Structure" OR DE "Person Environment Fit" OR DE "Personnel Selection" OR DE "Psychosocial Factors" OR DE "Quality of Work Life" OR DE "Race and Ethnic Discrimination" OR DE "Screen Time" OR DE "Sex Discrimination" OR DE "Sexual Harassment" OR DE "Social Discrimination" OR DE "Social Support" OR DE "Social Networks" OR DE "Work Rest Cycles" OR DE "Work Week Length" OR DE "Workday Shifts" OR DE "Working Space" OR DE "Work Scheduling" OR DE "Working Conditions" OR DE "Workplace Violence"	262,250
18.	Tl(burnout OR "burn out" OR ((computer* OR desktop* OR keyboard* OR laptop OR "lap top" OR notebook* OR screen) 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 distancework* 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 harass* 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 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 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	224,277

	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 organi?ation* OR "psycho social" OR psychosocial OR psychological OR work*) N5 (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*) W2 organi?ation*) OR "pace constraint*" OR "paced work" OR ((perceived OR psychological OR psychosocial OR "psycho social") N5 (climate* OR condition* OR environment* OR distress OR exposure* OR factor* OR influence* OR politics OR stress* OR wellbeing OR "well being")) OR leadership* OR ((occupation* OR organi?ational) N5 (attitude* OR change*)) OR privati?ation OR (reward* N3 system*) OR (role W1 (ambiguity OR conflict*)) OR "skill discretion*" OR "social support*" OR "staff development*" OR telework* OR turnover OR "turn over" OR uncertainty OR "work pace*")	
19.	KW(burnout OR "burn out" OR ((computer* OR desktop* OR keyboard* OR laptop OR "lap top" OR notebook* OR screen) 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 distancework* 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 harass* 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 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 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 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 organi?ation* OR "psycho social" OR psychosocial OR psychological OR work*) N5 (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*) W2 organi?ation*) OR "pace constraint*" OR "paced work" OR ((perceived OR psychological OR psychosocial OR "psycho social") N5 (climate* OR condition* OR environment* OR distress OR exposure* OR factor* OR influence* OR politics OR stress* OR wellbeing OR "well being")) OR leadership* OR ((occupation* OR organi?ational) N5 (attitude* OR change*)) OR privati?ation OR (reward* N3 system*) OR (role W1 (ambiguity OR conflict*)) OR "skill discretion*" OR "social support*" OR "staff development*" OR telework* OR turnover OR "turn over" OR uncertainty OR "work pace*")	293,295
20.	17 OR 18 OR 19	508,900
21.	16 AND 20	1,442
22.	21 AND Limiters - Publication Year: 2010-2015; Peer Reviewed; Publication Type: Peer Reviewed Journal; Language: Danish, English, Norwegian, Swedish	370
Factors: Hazardous Materials		
23.	DE "Environmental Effects" OR DE "Hazardous Materials" OR DE "Insecticides" OR DE "Chemical Exposure" OR DE "Solvents" OR DE "Passive Smoking" OR DE "Teratogens" OR DE "Toxins" OR TI (airborne OR dust OR "indoor air*" OR (passive W2 smok*) OR (hazardous W2 (chemical* OR material* OR substance*)) OR pollution* OR poison* OR "toxic action*" OR pesticide* OR solvent*) OR KW (airborne OR dust OR "indoor air*" OR (passive W2 smok*) OR (hazardous W2 (chemical* OR material* OR substance*)) OR pollution* OR poison* OR "toxic action*" OR pesticide* OR solvent*) OR AB (airborne OR dust OR "indoor	23,528

	air*" OR (passive W2 smok*) OR (hazardous W2 (chemical* OR material* OR substance*)) OR pollution* OR poison* OR "toxic action*" OR pesticide* OR solvent*)	
24.	16 AND 23	43
25.	24 AND Limiters - Publication Year: 2010-2015; Peer Reviewed; Publication Type: Peer Reviewed Journal; Language: Danish, English, Norwegian, Swedish 2010-2019 varför 2019? =14	14
Factors: Radiation		
26.	DE "Radiation" OR DE "Seasonal Variations" OR DE "Temperature Effects" OR TI(climate* OR (cold W2 temperature*) OR (hot W2 temperature*) OR radiation* OR Vgamma-ray*) OR KW(climate* OR (cold W2 temperature*) OR (hot W2 temperature*) OR radiation* OR Vgamma-ray*) OR AB(climate* OR (cold W2 temperature*) OR (hot W2 temperature*) OR radiation* OR Vgamma-ray*)	35,892
27.	16 AND 26	54
28.	27 AND Limiters - Publication Year: 2010-2015; Peer Reviewed; Publication Type: Peer Reviewed Journal; Language: Danish, English, Norwegian, Swedish 2010-2019 = 23	12
Factors: Contagious substances		
29.	DE "Infectious Disorders" OR TI contagious* OR AB contagious* OR TI "communicable disease*" OR AB "communicable disease*" OR TI "infectious disorder*" OR AB "infectious disorder*"	8,022
30.	16 AND 29	18
31.	30 AND Limiters - Publication Year: 2010-2015; Peer Reviewed; Publication Type: Peer Reviewed Journal; Language: Danish, English, Norwegian, Swedish 2010-2019 = 7	3
Factors: Noise		
32.	DE "Noise Levels (Work Areas)" OR TI nois* OR AB nois* OR KW nois*	27,264
33.	16 AND 32	31
34.	33 AND Limiters - Publication Year: 2010-2019; Peer Reviewed; Publication Type: Peer Reviewed Journal; Language: Danish, English, Norwegian, Swedish 2010-2019=15	11
Factors: Vibration		
35.	(DE "Air Transportation" OR DE "Automobiles" OR DE "Drivers" OR DE "Motor Vehicles" OR DE "Transportation" OR DE "Ground Transportation" OR DE "Vibration") OR TI (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*) OR KW(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*) OR AB (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*)	76,761
36.	16 AND 35	494
37.	36 AND Limiters - Publication Year: 2010-2015; Peer Reviewed; Publication Type: Peer Reviewed Journal; Language: Danish, English, Norwegian, Swedish 2010-2019=201	146

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 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)

(Veiersted B. et al. Mekaniske eksponeringer i arbeid som årsak til muskel- og skjelettplager– en kunnskapsstatus. STAMI-rapport 2017:6. Available from: <https://stami.no/content/uploads/2018/01/Mekaniske-eksponeringer-i-arbeid-som-%C3%A5rsak-til-muskel-og-skjelettplager.pdf>.)

Search terms	Items found
Population: Neck pain, shoulder pain, arm pain	
1. TITLE(neck 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*)) OR (cervicalgia* OR cervicodynia* OR neckache* OR neckpain* OR "cervical pain")	11,681
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*))	7,478
3. TITLE((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 extremity" OR "upper limbs" OR wrist OR wrists) 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*))	32,842
4. TITLE((musculoskeletal OR muscle*) AND (ache* OR complaint* OR disease* OR disorder* OR disabilit* OR dysfunction* OR inflammation* OR injury OR injuries OR pain* OR problem* OR symptom* OR syndrom*))	29,900
5. TITLE-ABS-KEY((multi-site OR multisite OR multiple OR outcome*) W/15 musculoskeletal)	3,119
6. 1 OR 2 OR 3 OR 4 OR 5	81,952
7. KEY(neck 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*)) OR (cervicalgia* OR cervicodynia* OR neckache* OR neckpain* OR "cervical pain")	106,576
8. KEY((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 extremity" OR "upper limbs" OR wrist OR wrists) 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*))	240,720
9. KEY(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*))	47,799
10. KEY((musculoskeletal OR muscle*) W/2 (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*))	172,191
11. 7 OR 8 OR 9 OR 10	361,612
12. TITLE ("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	22,016

	"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 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 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 organization* 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 organization* 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 organization* OR "psycho social" OR psychosocial OR psychological OR work*) W/5 (contract* OR insecurity OR security)) OR ((job OR biopsychosocial OR employment OR employee* OR occupation* OR organisation* OR organization* OR "psycho social" OR psychosocial OR psychological 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 organization* 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 organization* OR "psycho social" OR psychosocial OR psychological 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*")	5,384,175
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"))	662,051
Combined sets		
26.	21 AND 25 AND 23	133
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*)	459,886
Combined sets		
28.	21 AND 27 AND 23	55
Factors: Contagious substances/Noise		
29.	TITLE-ABS-KEY((communicable W/3 disease*) OR contagious* OR infectious OR noise* OR noisy)	1,441,668
Combined sets		
30.	21 AND 29 AND 23	127
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*)	2,439,687
Combined sets		
32.	21 AND 31 AND 23	257

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 SBU's protocol. This present search documentation covers the years from 2015 to the last updated search on August 16 2021.

(Veiersted B. et al. Mekaniske eksponeringer i arbeid som årsak til muskel- og skjelettplager– en kunnskapsstatus. STAMI-rapport 2017:6. Available from: <https://stami.no/content/uploads/2018/01/Mekaniske-eksponeringer-i-arbeid-som-%C3%A5rsak-til-muskel-og-skjelettplager.pdf>.)

Search terms	Items found
Population: Neck pain, shoulder pain, arm pain	
1. 'neck pain'/exp/mj OR 'shoulder pain'/exp/mj	9,749
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	45,344
3. 1 OR 2	47,731
Population: Injuries, Specific diseases	
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	68,301
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'/exp/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 radiculopath* 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 epicondylit* 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	47,448
6. 3 OR 4 OR 5	141,162
Working conditions	
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	3,223,361

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 employe*: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 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	5,253,942
Combined sets		
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 SBU's 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.

(Veiersted B. et al. Mekaniske eksponeringer i arbeid som årsak til muskel- og skjelettplager– en kunnskapsstatus. STAMI-rapport 2017:6. Available from: <https://stami.no/content/uploads/2018/01/Mekaniske-eksponeringer-i-arbeid-som-%C3%A5rsak-til-muskel-og-skjelettplager.pdf>.)

Search terms	Items found
Population: Neck pain, shoulder pain, arm pain	
1. exp Shoulder Pain/ or exp Neck Pain/	12,109
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 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.	92,609
3. 1 OR 2	9,5653
4. (exp *Upper Extremity/ or *Arm/ or *Axilla/ or *Elbow/ or *Forearm/ or exp *hand/ or *fingers/ or metacarpus/ or *wrist/ or *Shoulder/ or exp *Neck/ or Ulnar Nerve/) and (exp *Pain/ or exp *Inflammation/ or exp *Fatigue/ or exp Muscle Fatigue/ or exp *"Wounds and Injuries"/ or exp Musculoskeletal Pain or (ache* or complaint* or disease* or disorder* or disability* or dysfunction* or inflammation* or injury or injuries or numbness or pain* or problem* or symptom* or syndrom*).ti,kf.)	33,652
Population: Neck injuries, shoulder injuries, arm injuries	
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	75816
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.	24,318
7. 5 OR 6	87,695
Population: Specific diseases	
8. exp *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 syndrom* or cervical radiculopath* or cervical spondylosis or cervicobrachial syndrom* or cervicobrachialg* or cumulative trauma disorder* or cubital tunnel syndrom* or dupuytren or elbow tendinopath* or epicondylit* or epicondylalgi* 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* or (suprascapular* adj	69,410

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.	1,088
Combined sets		
10.	3 OR 4 OR 7 OR 8 OR 9	231,803
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 Workload/ or exp Workplace/	1,486,474
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.	3,846,827
13.	11 OR 12	4,793,750
Combined sets		
14.	10 AND 13	33,632
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/	7,764,652
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 selected control* or random sample* or representative sample* or study sample* or survey* or time-serie*).ti,ab,kf.	8,152,522
17.	risk factors/ OR (risk OR risks OR inciden* OR prevalence).ti,kf.	1,447,046
18.	15 OR 16 OR 17	12,627,239
Combined sets		
19.	(14 AND 18) NOT (animals/ not humans/)	23,564
20.	20 AND (danish or english or norwegian or swedish) AND (yr="2015 - Current")	7,708

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

/ = 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

PsycInfo via EBSCO 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 SBU's 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.

(Veiersted B. et al. Mekaniske eksponeringer i arbeid som årsak til muskel- og skjelettplager– en kunnskapsstatus. STAMI-rapport 2017:6. Available from: <https://stami.no/content/uploads/2018/01/Mekaniske-eksponeringer-i-arbeid-som-%C3%A5rsak-til-muskel-og-skjelettplager.pdf>.)

Search terms	Items found
Population: Upper extremity pain	
1. DE "Musculoskeletal Disorders" OR DE "Joint Disorders" OR DE "Arm (Anatomy)" OR DE "Elbow (Anatomy)" OR DE "Fingers (Anatomy)" OR DE "Hand (Anatomy)" OR DE "Neck (Anatomy)" OR DE "Palm (Anatomy)" OR DE "Shoulder (Anatomy)" OR DE "Thumb" OR DE "Wrist"	12,690
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 extremit* 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 "cervical pain*") 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 "rotator cuff impingement*" OR ("multi-site" OR multisite OR multiple OR outcome*) N4 musculoskeletal))	3,765
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 extremit* 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 injury OR injuries 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 injuries OR outcome* OR pain* OR problem* OR symptom* OR syndrom*)) OR (cervicalgia* OR cervicodynia* OR neckache* OR neckpain* OR "cervical pain*") OR (shoulder N4 (ache* OR complaint* OR disorder* OR disability* OR dysfunction* OR inflammation* OR injury OR injuries OR outcome* OR pain* OR problem* OR symptom*)) OR ("multi-site" OR multisite OR multiple OR outcome*) N4 musculoskeletal))	4,186
4. AB(((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 extremit* 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 (neck N4 (ache* OR complaint* OR disorder* OR disability* OR dysfunction* OR inflammation* OR injury OR injuries OR outcome* OR pain* OR problem* OR symptom*)) OR (cervicalgia* OR cervicodynia* OR neckache* OR neckpain* OR cervical pain*) OR (shoulder N4 (ache* OR complaint* OR disorder* OR disability* OR dysfunction* OR inflammation* OR injury OR injuries OR outcome* OR pain* OR problem*	9,930

	OR symptom*) OR (("multi-site" OR multisite OR multiple OR outcome*) N4 musculoskeletal))	
5.	1 OR 2 OR 3 OR 4	22,468
Population: Specific diseases		
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 epicondylit* 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 tendinopath* 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 epicondylit* 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 epicondylit* 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 tendinopath* 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
Working conditions		
11.	DE "Dual Careers" OR "Employment Status" OR DE "Family Work Relationship" OR DE "Job Characteristics" OR DE "Occupations" OR DE "Occupational Attitudes" OR DE "Occupational Exposure" OR DE "Occupational Health" OR DE "Occupational Safety" OR DE "Occupational Safety" OR DE "Occupational Stress" OR DE "Personnel" OR DE "Work (Attitudes Toward)" OR DE "Work Load" OR DE "Work Related Illnesses" OR DE "Working Conditions" OR DE Working Space OR DE "Working Women" OR DE "Workplace Intervention"	107,504
12.	TI (agricult* OR ((computer* OR keyboard* OR laptop OR mouse OR notebook OR screen*) N5 (duration* OR time OR usage* OR use OR view* OR work*)) OR employe* OR employment* 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*)	266,240

13.	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 "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*)	351,750
14.	AB(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 "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*)	1,228,866
15.	<i>11 OR 12 OR 13 OR 14</i>	<i>1,305,939</i>
Combined sets		
16.	<i>10 AND 15</i>	<i>6,283</i>
17.	16 AND Limiters - Publication Year: 2015-2021; Peer Reviewed; Language: Danish, English, Norwegian, Swedish	1,633

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 SBU's 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

(Veiersted B. et al. Mekaniske eksponeringer i arbeid som årsak til muskel- og skjelettplager– en kunnskapsstatus. STAMI-rapport 2017:6. Available from: <https://stami.no/content/uploads/2018/01/Mekaniske-eksponeringer-i-arbeid-som-%C3%A5rsak-til-muskel-og-skjelettplager.pdf>.)

Search terms	Items found
Population: Upper extremity pain arm, neck, shoulder	
1. TITLE((neck 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*)) OR cervicalgia* OR cervicodynia* OR neckache* OR neckpain* OR "cervical pain")	11,681
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*))	7,478
3. TITLE((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 extremity" OR "upper limbs" OR wrist OR wrists) 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*))	32,842
4. TITLE((musculoskeletal OR muscle*) AND (ache* OR complaint* OR disease* OR disorder* OR disabilit* OR dysfunction* OR inflammation* OR injury OR injuries OR pain* OR problem* OR symptom* OR syndrom*))	29,900
5. TITLE-ABS-KEY((multi-site OR multisite OR multiple OR outcome*) W/15 musculoskeletal)	3,119
6. 1 OR 2 OR 3 OR 4 OR 5	81,952
7. KEY((neck 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*)) OR cervicalgia* OR cervicodynia* OR neckache* OR neckpain* OR "cervical pain")	106,576
8. KEY((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 extremity" OR "upper limbs" OR wrist OR wrists) 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*))	240,720
9. KEY(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*))	47,799
10. KEY((musculoskeletal OR muscle*) W/2 (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*))	172,191
11. 7 OR 8 OR 9 OR 10	361,612
12. TITLE ("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	22,016

	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 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 employe* 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 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	4,331,775
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"))	
23.	21 AND 22	9,621

24.	INDEX (medline)	28,054,271
Final set		
#23 AND NOT #24		2,228

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