



Musculoskeletal Health Current Awareness Update

December 2019

Welcome to the monthly **Musculoskeletal Health Current Awareness Update** (MSKH-CAU), produced by **PHE Knowledge and Library Services** and the MSK Health Improvement team. The purpose of this update is to provide the latest research to inform future policy and practice to support the prevention of Musculoskeletal (MSK) conditions.

Public Health England, jointly with NHS England, Versus Arthritis and partners, published the **Musculoskeletal Health: 5 Year Prevention Strategic Framework**, setting out a clear statement of commitments to promote good MSK health to prevent MSK conditions across the life course. The MSKH CAU resource will provide evidence and knowledge to support the decisions made by health and social care professionals, the wider public health workforce and employers.

If you have any queries, please contact us at libraries@phe.gov.uk, and if you would like to request a literature search, please use the **Knowledge and Library Services Enquiries Portal** (*PHE staff only*).

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Prevention of Common MSK Conditions Across the Life Course

Reduced physical activity in young and older adults: metabolic and musculoskeletal implications.

06 Dec 2019, Reduced physical activity in young and older adults: metabolic and musculoskeletal implications. *Ther Adv Endocrinol Metab.* 2019; 10:2042018819888824 Authors: Bowden Davies KA, Pickles S, Sprung VS, Kemp GJ, Alam U, Moore DR, Tahrani AA, Cuthbertson DJ Abstract Background: Although the health benefits of regular physical activity and exercise are well established and have been incorporated into

Exercise and Low Back Pain in the Older Adult: Current Recommendations.

06 Dec 2019, Related Articles Exercise and Low Back Pain in the Older Adult: Current Recommendations. *J Allied Health.* 2019;48(4):302-307 Authors: Garcia WJ, Johnson A, Keldermans

D, Tang B Abstract Low back pain (LBP) is a condition that is commonly experienced in people regardless of age and is prevalent in the older adult (individuals >65 yrs)

Therapeutic alliance facilitates adherence to physiotherapy-led exercise and physical activity for older adults with knee pain: a longitudinal qualitative study.

18 Dec 2019, Related Articles Therapeutic alliance facilitates adherence to physiotherapy-led exercise and physical activity for older adults with knee pain: a longitudinal qualitative study. J Physiother. 2019 Dec 13;: Authors: Moore AJ, Holden MA, Foster NE, Jinks C Abstract QUESTIONS: What are people's experiences and perceived impact of physiotherapist-led exercise interventions for knee pain attributable

The effect of exercise on aromatase inhibitor-induced musculoskeletal symptoms in breast cancer survivors: a systematic review and meta-analysis.

20 Dec 2019, Related Articles The effect of exercise on aromatase inhibitor-induced musculoskeletal symptoms in breast cancer survivors: a systematic review and meta-analysis. Support Care Cancer. 2019 Dec 18;: Authors: Lu G, Zheng J, Zhang L Abstract BACKGROUND: Evidence is mixed regarding the effect of exercise programs on improving musculoskeletal symptoms and quality of life

Effects of Physical Activity on Neurophysiological and Gene Expression Profiles in Chronic Back Pain: Study Protocol.

15 Dec 2019, Related Articles Effects of Physical Activity on Neurophysiological and Gene Expression Profiles in Chronic Back Pain: Study Protocol. Nurs Res. 2020 Jan/Feb;69(1):74-81 Authors: Kim K, Ramesh D, Perry M, Bernier KM, Young EE, Walsh S, Starkweather A Abstract BACKGROUND: Despite the emphasis on exercise to reduce pain and improve function among people with chronic low back pain (cLBP), little is

Effectiveness of communicative and educative strategies in chronic low back pain patients: A systematic review.

17 Dec 2019, Related Articles Effectiveness of communicative and educative strategies in chronic low back pain patients: A systematic review. Patient Educ Couns. 2019 Dec 04;: Authors: Barbari V, Storari L, Ciuro A, Testa M Abstract OBJECTIVE: To investigate the effectiveness of communicative and educative strategies on 1) patient's low back pain awareness/knowledge, 2) maladaptive behavior modification and

Effectiveness of a multidisciplinary BIOPSYCHOSOCIAL intervention for non-specific SUBACUTE low back pain in a working population: a cluster randomized clinical trial.

15 Dec 2019, Related Articles Effectiveness of a multidisciplinary BIOPSYCHOSOCIAL intervention for non-specific SUBACUTE low back pain in a working population: a cluster randomized clinical trial. BMC Health Serv Res

The Effects of Stabilization Exercise on the Thickness of Lateral Abdominal Muscles During Standing Tasks in Women With Chronic Low Back Pain: A Randomized Triple-Blinded Clinical Trial Study.

11 Dec 2019, The Effects of Stabilization Exercise on the Thickness of Lateral Abdominal Muscles During Standing Tasks in Women With Chronic Low Back Pain: A Randomized Triple-Blinded Clinical Trial Study. J Sport Rehabil

The effectiveness of McKenzie method compared to manual therapy for treating chronic low back pain: a systematic review.

04 Dec 2019, Related Articles The effectiveness of McKenzie method compared to manual therapy for treating chronic low back pain: a systematic review. J Musculoskelet Neuronal Interact. 2019 Dec 01;19(4):492-499 Authors: Namnaqani FI, Mashabi AS, Yaseen KM, Alshehri MA Abstract The aim of this study was to evaluate the effectiveness of the McKenzie method compared to manual therapy in the management of

Fragility Fracture Prevention-Implementing a Fracture Liaison Service in a High Volume Orthopedic Hospital.

11 Dec 2019, Related Articles Fragility Fracture Prevention-Implementing a Fracture Liaison Service in a High Volume Orthopedic Hospital. Int J Environ Res Public Health. 2019 Dec 04;16(24): Authors: Pennestrì F, Corbetta S, Favero V, Banfi G Abstract Fragility fractures pose a serious threat to patient health, quality of life, and healthcare sustainability

Chronic widespread pain and its associations with quality of life and function at a 20- year follow-up of individuals with chronic knee pain at inclusion.

11 Dec 2019, Related Articles Chronic widespread pain and its associations with quality of life and function at a 20- year follow-up of individuals with chronic knee pain at inclusion. BMC Musculoskelet Disord. 2019 Dec 09;20(1):592 Authors: Bergman S, Thorstensson C, Andersson MLE Abstract OBJECTIVE: To study the prevalence of chronic widespread pain (CWP) and chronic regional pain (CRP), and their

Short-term Effects of Thoracic Spine Thrust Manipulation, Exercise, and Education in Individuals With Low Back Pain: A Randomized Controlled Trial.

08 Dec 2019, Related Articles Short-term Effects of Thoracic Spine Thrust Manipulation, Exercise, and Education in Individuals With Low Back Pain: A Randomized Controlled Trial. J Orthop Sports Phys Ther. 2019 Dec 06;:1-43 Authors: Fisher LR, Alvar BA, Maher SF, Cleland JA Abstract STUDY DESIGN: Randomized controlled trial

Executive functions predict fracture risk in postmenopausal women assessed for osteoporosis.

28 Nov 2019, Related Articles Executive functions predict fracture risk in postmenopausal women assessed for osteoporosis. Aging Clin Exp Res. 2019 Nov 26;: Authors: Catalano A, Sardella A, Bellone F, Lasco CG, Martino G, Morabito N Abstract BACKGROUND: Cognitive impairment and muscle strength have been associated with bone fragility

Response To: Non-Specific Low Back Pain In Elderly And The Effects Of Myofascial Release Technique Combined With Core Stabilization Exercise: Not Just Muscles [Response To Letter].

08 Dec 2019, Related Articles Response To: Non-Specific Low Back Pain In Elderly And The Effects Of Myofascial Release Technique Combined With Core Stabilization Exercise: Not Just Muscles [Response To Letter]. Clin Interv Aging. 2019;14:1947-1949 Authors: Ozsoy G, Ilcin N, Ozsoy I, Gurpınar B, Buyukturan O, Buyukturan B, Kararti C, Sas S PMID: 31806950 [PubMed - in process]

Back beliefs in patients with low back pain: a primary care cohort study.

04 Dec 2019, Related Articles Back beliefs in patients with low back pain: a primary care cohort study. BMC Musculoskelet Disord. 2019 Dec 01;20(1):578 Authors: Grøn S, Jensen RK, Jensen TS,

Kongsted A Abstract BACKGROUND: The Back Belief Questionnaire (BBQ) measures beliefs about negative consequences of back pain

Trunk and hip muscle activity during the Balance-Dexterity task in persons with and without recurrent low back pain.

01 Dec 2019, Related Articles Trunk and hip muscle activity during the Balance-Dexterity task in persons with and without recurrent low back pain. J Electromyogr Kinesiol. 2019 Nov 20;50:102378 Authors: Rowley KM, Engel T, Kulig K Abstract Coordination of the trunk and hips is crucial for successful dynamic balance in many activities of daily living

Low Back Pain Guideline Didn't Improve Outcomes.

27 Nov 2019, Low Back Pain Guideline Didn't Improve Outcomes. JAMA. 2019 Nov 26;322(20):1948 Authors: Slomski A PMID: 31769823 [PubMed - in process]

Importance of Early Improvement In The Treatment of Low Back Pain With Physical Therapy.

27 Nov 2019, Importance of Early Improvement In The Treatment of Low Back Pain With Physical Therapy. Spine (Phila Pa 1976). 2019 Nov 15;; Authors: Walston Z, McLester C Abstract STUDY DESIGN: A retrospective observational study OBJECTIVE.: Assess the time course of functional outcome improvements during a physical therapy (PT) episode of care for patients with low back pain (LBP)

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Living well with MSK conditions

Management of patients with a musculoskeletal pain condition that is likely chronic: Results from a national cross sectional survey.

15 Dec 2019, Management of patients with a musculoskeletal pain condition that is likely chronic: Results from a national cross sectional survey. J Pain. 2019 Dec 11;; Authors: Feldman DE, Carlesso LC, Nahin RL Abstract The purpose of the study was to explore clinical management for new cases of musculoskeletal pain that are likely chronic

Association of obesity with bone mineral density and osteoporosis in adults: a systematic review and meta-analysis.

15 Dec 2019, Association of obesity with bone mineral density and osteoporosis in adults: a systematic review and meta-analysis. Public Health. 2019 Dec 11;180:22-28 Authors: Qiao D, Li Y, Liu X, Zhang X, Qian X, Zhang H, Zhang G, Wang C Abstract OBJECTIVES: Results from previous studies investigating the association of obesity with bone mineral density (BMD) and osteoporosis (OP) are inconsistent

Quality Measures and Quality Improvement Initiatives in Osteoporosis-an Update.

01 Dec 2019, Related Articles Quality Measures and Quality Improvement Initiatives in Osteoporosis-an Update. Curr Osteoporos Rep. 2019 Nov 28;; Authors: French S, Choden S, Schmajuk G Abstract PURPOSE OF REVIEW: The aims of this review are to summarize current performance for osteoporosis quality measures used by Centers for Medicare and Medicaid (CMS) for pay-for-performance programs and to describe recent

Exercise treatment effect modifiers in persistent low back pain: an individual participant data meta-analysis of 3514 participants from 27 randomised controlled trials.

01 Dec 2019, Related Articles Exercise treatment effect modifiers in persistent low back pain: an individual participant data meta-analysis of 3514 participants from 27 randomised controlled trials. Br J Sports Med

Should health professionals assess sleep quality in pregnant women seeking care for low back pain?

06 Dec 2019, Should health professionals assess sleep quality in pregnant women seeking care for low back pain? J Clin Sleep Med. 2019 Dec 05;; Authors: Leonel LF, Morelhão PK, Tufik S, Andersen ML PMID: 31802739 [PubMed - as supplied by publisher]

Psychological Subgrouping to Assess the Risk for the Development or Maintenance of Chronic Musculoskeletal Pain: Is This the Way Forward?

15 Dec 2019, Related Articles Psychological Subgrouping to Assess the Risk for the Development or Maintenance of Chronic Musculoskeletal Pain: Is This the Way Forward? Clin J Pain. 2019 Dec 10;; Authors: Linton SJ, Kienbacher T Abstract Because musculoskeletal pain problems are so prevalent, new methods of evaluating and treating patients are needed to increase effectiveness

Effectiveness and cost-utility of a multifaceted eHealth strategy to improve back pain beliefs of patients with non-specific low back pain: a cluster randomised trial.

08 Dec 2019, Related Articles Effectiveness and cost-utility of a multifaceted eHealth strategy to improve back pain beliefs of patients with non-specific low back pain: a cluster randomised trial. BMJ Open. 2019 Dec 05;9(12):e030879 Authors: Suman A, Schaafsma FG, van Dongen JM, Elders PJM, Buchbinder R, van Tulder MW, Anema JR Abstract OBJECTIVES: To assess the effectiveness and cost-utility of a

Exploring Patients' Experiences of Internet-Based Self-Management Support for Low Back Pain in Primary Care.

17 Dec 2019, Exploring Patients' Experiences of Internet-Based Self-Management Support for Low Back Pain in Primary Care. Pain Med. 2019 Dec 16;; Authors: Geraghty AWA, Roberts LC, Stanford R, Hill JC, Yoganantham D, Little P, Foster NE, Hay EM, Yardley L Abstract OBJECTIVE: We explored patients' experiences of using Internet-based self-management support for low back pain (LBP) in primary care, with and

Knowledge of psychosocial factors associated with low back pain amongst health science students: a scoping review.

08 Dec 2019, Related Articles Knowledge of psychosocial factors associated with low back pain amongst health science students: a scoping review. Chiropr Man Therap. 2019;27:64 Authors: Lewis KL, Battaglia PJ Abstract Background: Low back pain is a burden worldwide and biological, psychological, and social mechanisms play a role in its development and persistence

Influence of sleep problems and co-occurring musculoskeletal pain on long-term prognosis of chronic low back pain: the HUNT Study.

06 Dec 2019, Related Articles Influence of sleep problems and co-occurring musculoskeletal pain on long-term prognosis of chronic low back pain: the HUNT Study. J Epidemiol Community Health. 2019

Dec 04;: Authors: Skarpsno ES, Mork PJ, Nilsen TIL, Nordstoga AL Abstract BACKGROUND: We investigated the influence of sleeplessness and number of insomnia symptoms on the probability of recovery from chronic low

Coping and Management Techniques Used by Chronic Low Back Pain Patients Receiving Treatment From Chiropractors.

28 Nov 2019, Related Articles Coping and Management Techniques Used by Chronic Low Back Pain Patients Receiving Treatment From Chiropractors. J Manipulative Physiol Ther. 2019 Nov 23;: Authors: Sherbourne CD, Ryan GW, Whitley MD, Gutierrez CI, Hays RD, Herman PM, Coulter ID Abstract OBJECTIVES: The purpose of this study was to describe coping strategies (eg, mechanisms, including self-treatment) that a person

Single Cupping Therapy Session Improves Pain, Sleep And Disability In Patients With Nonspecific Chronic Low Back Pain.

25 Nov 2019, Single Cupping Therapy Session Improves Pain, Sleep And Disability In Patients With Nonspecific Chronic Low Back Pain. J Acupunct Meridian Stud. 2019 Nov 21;: Authors: Volpato MP, Albano Breda IC, Carolina de Carvalho R, de Castro Moura C, Ferreira LL, Silva ML, Torres Silva JR Abstract The objective of this study was to evaluate if a single session of real or placebo cupping therapy in patients.

Comparison of multimedia and printed patient education tools for patients with osteoporosis: a 6-month randomized controlled trial.

18 Dec 2019, Related Articles Comparison of multimedia and printed patient education tools for patients with osteoporosis: a 6-month randomized controlled trial. Osteoporos Int. 2019 Dec 16;: Authors: Lopez-Olivo MA, des Bordes JKA, Lin H, Rizvi T, Volk RJ, Suarez-Almazor ME Abstract We conducted a randomized controlled trial to compare the efficacy of adding a video tool to a printed booklet on osteoporosis

Education intervention for older adults with osteoporosis: a systematic review.

13 Dec 2019, Related Articles Education intervention for older adults with osteoporosis: a systematic review. Osteoporos Int. 2019 Dec 11;: Authors: Gai QY, Lv H, Li YP, Fu QM, Li P Abstract BACKGROUND: Various education interventions were developed for preventing or managing OP, but the effects of those interventions on older adults were inconclusive

Neighborhood Walkability in Relation to Knee and Low Back Pain in Older People: A Multilevel Cross-Sectional Study from the JAGES.

24 Nov 2019, Related Articles Neighborhood Walkability in Relation to Knee and Low Back Pain in Older People: A Multilevel Cross-Sectional Study from the JAGES. Int J Environ Res Public Health. 2019 Nov 20;16(23): Authors: Okabe D, Tsuji T, Hanazato M, Miyaguni Y, Asada N, Kondo K Abstract Few studies have focused on a relationship between the built environment and musculoskeletal pain

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MSK in Child and Adolescent Health

Worse health status, sleeping problems, and anxiety in 16-year-old students are associated with chronic musculoskeletal pain at three-year follow-up.

28 Nov 2019, Related Articles Worse health status, sleeping problems, and anxiety in 16-year-old students are associated with chronic musculoskeletal pain at three-year follow-up. BMC Public Health. 2019 Nov 27;19(1):1565 Authors: Malmberg JS, Bremander A, Olsson MC, Bergman AC, Brorsson AS,

Bergman S Abstract BACKGROUND: Chronic musculoskeletal pain is common in adolescents, and it has been shown that

Factors Associated With Knee Pain and Heel Pain in Youth Soccer Players Aged 8 to 12 Years.

06 Dec 2019, Related Articles Factors Associated With Knee Pain and Heel Pain in Youth Soccer Players Aged 8 to 12 Years. Orthop J Sports Med. 2019 Nov;7(11):2325967119883370 Authors: Iwame T, Matsuura T, Suzue N, Iwase J, Uemura H, Sairyō K Abstract Background: Soccer is played by many children younger than 12 years

Relationship between exercise time and musculoskeletal problems in children.

04 Dec 2019, Related Articles Relationship between exercise time and musculoskeletal problems in children. J Rural Med. 2019 Nov;14(2):176-180 Authors: Tomaru Y, Kamada H, Tsukagoshi Y, Nakagawa S, Onishi M, Tanaka K, Takeuchi R, Mataka Y, Miyakawa S, Yamazaki M Abstract Objectives: The purpose of this study was to evaluate the relationship between exercise time and musculoskeletal problems and to determine

Life events as predictors for disability pension due to musculoskeletal diagnoses: a cohort study of Finnish twins.

13 Dec 2019, Related Articles Life events as predictors for disability pension due to musculoskeletal diagnoses: a cohort study of Finnish twins. Int Arch Occup Environ Health. 2019 Dec 11;: Authors: Kärkkäinen S, Silventoinen K, Svedberg P, Ropponen A Abstract PURPOSE: Musculoskeletal diagnoses (MSD) are one of the largest diagnostic groups for disability pensions (DP)

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MSK and Multi-morbidity

Type 2 Diabetes Mellitus Increases the Risk to Hip Fracture in Postmenopausal Osteoporosis by Deteriorating the Trabecular Bone Microarchitecture and Bone Mass.

10 Dec 2019, Type 2 Diabetes Mellitus Increases the Risk to Hip Fracture in Postmenopausal Osteoporosis by Deteriorating the Trabecular Bone Microarchitecture and Bone Mass. J Diabetes Res. 2019;2019:3876957 Authors: Mohsin S, Kaimala S, Sunny JJ, Adeghate E, Brown EM Abstract T2DM is linked to an increase in the fracture rate as compared to the nondiabetic population even with normal or raised bone mineral

COPD as an independent risk factor for osteoporosis and fractures.

08 Dec 2019, Related Articles COPD as an independent risk factor for osteoporosis and fractures. Osteoporos Int. 2019 Dec 06;: Authors: Adas-Okuma MG, Maeda SS, Gazzotti MR, Roco CM, Pradella CO, Nascimento OA, Porto EF, Vieira JGH, Jardim JR, Lazaretti-Castro M Abstract Fractures are common in individuals with COPD and occur at higher bone mass values than expected

Prevalence, Risk Factors and Course of Osteoporosis in Patients with Crohn's Disease at a Tertiary Referral Center.

15 Dec 2019, Related Articles Prevalence, Risk Factors and Course of Osteoporosis in Patients with Crohn's Disease at a Tertiary Referral Center. J Clin Med. 2019 Dec 10;8(12): Authors: Hoffmann P, Krisam J, Kasperk C, Gauss A Abstract BACKGROUND: Patients with Crohn's disease are at increased risk for fractures due to low bone mineral density (BMD)

A meta-analysis of secondary osteoporosis in systemic lupus erythematosus: prevalence and risk factors.

06 Dec 2019, Related Articles A meta-analysis of secondary osteoporosis in systemic lupus erythematosus: prevalence and risk factors. Arch Osteoporos. 2019 Dec 04;15(1):1 Authors: Gu C, Zhao R, Zhang X, Gu Z, Zhou W, Wang Y, Guo J, Bao Y, Sun C, Dong C, Gao J Abstract PURPOSE: This study aimed to evaluate the prevalence and risk factors of secondary osteoporosis (OP) in patients with systemic lupus

Psychiatric Distress as a Common Risk Factor for Tinnitus and Joint Pain: A National Population-Based Survey.

18 Dec 2019, Related Articles Psychiatric Distress as a Common Risk Factor for Tinnitus and Joint Pain: A National Population-Based Survey. Clin Exp Otorhinolaryngol. 2019 Dec 18;; Authors: Park E, Kim H, Choi IH, Han HM, Han K, Jung HH, Im GJ Abstract Objectives: This study aimed to investigate the relationship between tinnitus and joint pain from representative samples of Koreans

Mental Health and Tobacco Use Are Correlated With Physical Function Outcomes in Patients With Knee Pain and Injury.

02 Dec 2019, Mental Health and Tobacco Use Are Correlated With Physical Function Outcomes in Patients With Knee Pain and Injury. Arthroscopy. 2019 Dec;35(12):3295-3301 Authors: Fidai MS, Tramer JS, Meldau J, Khalil LS, Patel RB, Moutzourous V, Makhni EC Abstract PURPOSE: To examine the relation between the Patient-Reported Outcomes Measurement Information System (PROMIS) domains of Pain Interference

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MSK Health and Nutrition

Postmenopausal women with osteoporosis consume high amounts of vegetables but insufficient dairy products and calcium to benefit from their virtues: the CoLaus/OsteoLaus cohort.

19 Dec 2019, Related Articles Postmenopausal women with osteoporosis consume high amounts of vegetables but insufficient dairy products and calcium to benefit from their virtues: the CoLaus/OsteoLaus cohort. Osteoporos Int

Optimizing Nutrition and Bone Health in Children with Cerebral Palsy.

26 Nov 2019, Related Articles Optimizing Nutrition and Bone Health in Children with Cerebral Palsy. Phys Med Rehabil Clin N Am. 2020 Feb;31(1):25-37 Authors: Jesus AO, Stevenson RD Abstract Children with cerebral palsy (CP) are at risk of growth and nutrition disorders. There are numerous challenges to measure and assess growth and nutritional status in children with CP

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MSK Health and Workplace Wellbeing

Longitudinal associations of kinematics and fear-avoidance beliefs with disability, work ability and pain intensity in persons with low back pain.

18 Dec 2019, Related Articles Longitudinal associations of kinematics and fear-avoidance beliefs with disability, work ability and pain intensity in persons with low back pain. Musculoskelet Sci Pract. 2019 06;41:49-54 Authors: Nordstoga AL, Meisingset I, Vasseljen O, Nilsen TIL, Unsgaard-Tøndel M Abstract

BACKGROUND: Impaired lumbar movement has cross-sectionally been associated with low back pain (LBP);

The painful truth: work-related musculoskeletal disorders in Australian surgeons.

13 Dec 2019, Related Articles The painful truth: work-related musculoskeletal disorders in Australian surgeons. *Occup Med (Lond)*. 2019 Dec 12;: Authors: Grant KMK, Vo T, Tiong LU Abstract BACKGROUND: Work-related musculoskeletal disorder (WRMD) is a collective term for preventable work-related disorders that cause musculoskeletal symptoms

Health risk assessment on musculoskeletal disorders among potato-chip processing workers.

04 Dec 2019, Health risk assessment on musculoskeletal disorders among potato-chip processing workers. *PLoS One*. 2019;14(12):e0224980 Authors: Chaiklieng S Abstract Musculoskeletal disorders (MSDs) are the most common complaint among industrial workers. The potato-chip processing industry involves workers in repetitive activities leading to MSDs

Nonspecific Low Back Pain and Return To Work.

04 Dec 2019, Related Articles Nonspecific Low Back Pain and Return To Work. *Am Fam Physician*. 2019 Dec 01;100(11):697-703 Authors: Becker BA, Childress MA Abstract Nonspecific low back pain refers to a condition without a distinct etiology to explain its associated symptoms. This pain may become chronic and is a major cause of work loss around the world

Muscle Contributions to Upper-Extremity Movement and Work From a Musculoskeletal Model of the Human Shoulder.

01 Dec 2019, Related Articles Muscle Contributions to Upper-Extremity Movement and Work From a Musculoskeletal Model of the Human Shoulder. *Front Neurobot*. 2019;13:90 Authors: Seth A, Dong M, Matias R, Delp S Abstract Musculoskeletal models enable movement scientists to examine muscle function by computing the mechanical work done by muscles during motor tasks

Work Outcomes in Patients Who Stay at Work Despite Musculoskeletal Pain.

26 Nov 2019, Related Articles Work Outcomes in Patients Who Stay at Work Despite Musculoskeletal Pain. *J Occup Rehabil*. 2018 09;28(3):559-567 Authors: Cochrane A, Higgins NM, Rothwell C, Ashton J, Breen R, Corcoran O, FitzGerald O, Gallagher P, Desmond D Abstract Purpose To assess self-reported work impacts and associations between psychosocial risk factors and work impairment amongst workers seeking care for

Early Return to Work Has Benefits for Relief of Back Pain and Functional Recovery After Controlling for Multiple Confounds.

24 Nov 2019, Related Articles Early Return to Work Has Benefits for Relief of Back Pain and Functional Recovery After Controlling for Multiple Confounds. *J Occup Environ Med*. 2018 10;60(10):901-910 Authors: Shaw WS, Nelson CC, Woiszwilllo MJ, Gaines B, Peters SE Abstract OBJECTIVE: The aim of the study was to evaluate the effect on health outcomes of an early or immediate return-to-work (RTW) after acute low

Analysis of Required Investigations of Work-Related Musculoskeletal Disorders in Spain.

24 Nov 2019, Related Articles Analysis of Required Investigations of Work-Related Musculoskeletal Disorders in Spain. *Int J Environ Res Public Health*. 2019 05 14;16(10): Authors: Carrillo-Castrillo JA, Pérez-Mira V, Pardo-Ferreira MDC, Rubio-Romero JC Abstract Musculoskeletal disorders (MSD) are the most common source of occupational health problems in Western countries.

Are Work-Related Musculoskeletal Disorders Claims Related to Risk Factors in Workplaces of the Manufacturing Industry?

01 Dec 2019, Are Work-Related Musculoskeletal Disorders Claims Related to Risk Factors in Workplaces of the Manufacturing Industry? Ann Work Expo Health. 2019 Nov 30;; Authors: Bao S, Howard N, Lin JH Abstract OBJECTIVES: Varied work-related musculoskeletal disorders (WMSDs) claim rates were found between companies even when they were in the same sectors with similar sizes

Musculoskeletal (MSK) practitioners in primary care: an evaluation of a MSK core capabilities framework and review process.

06 Dec 2019, Related Articles Musculoskeletal (MSK) practitioners in primary care: an evaluation of a MSK core capabilities framework and review process. Educ Prim Care. 2019 Dec 03;;1-4 Authors: Locke R, Wilkinson E, Collier R, Harden B Abstract The General Practice Contract 2019/20 established first contact musculoskeletal (MSK) physiotherapists in primary care

The effect of acupuncture on quality of life among female nurses with chronic back pain.

15 Dec 2019, Related Articles The effect of acupuncture on quality of life among female nurses with chronic back pain. Appl Nurs Res. 2019 Nov 20;;151175 Authors: Movahedi Najafabadi M, Ghafari S, Nazari F, Valiani M Abstract BACKGROUND: Chronic back pain is one of the most common work-related diseases and most important of musculoskeletal disorders in nursing professionals and because of the physical and

Objectively measured versus self-reported occupational physical activity and multisite musculoskeletal pain: a prospective follow-up study at 20 nursing homes in Denmark.

25 Nov 2019, Objectively measured versus self-reported occupational physical activity and multisite musculoskeletal pain: a prospective follow-up study at 20 nursing homes in Denmark. Int Arch Occup Environ Health

Association Between Objectively Measured Physical Activity And Musculoskeletal Disorders, And Perceived Work Ability Among Adult, Middle-Aged And Older Women.

08 Dec 2019, Related Articles Association Between Objectively Measured Physical Activity And Musculoskeletal Disorders, And Perceived Work Ability Among Adult, Middle-Aged And Older Women. Clin Interv Aging. 2019;14:1975-1983 Authors: Nawrocka A, Niestrój-Jaworska M, Mynarski A, Polechoński J Abstract Purpose: The purpose of this study was to assess the relationship between objectively measured physical

Incidence and risk factors associated with low back pain among university office workers.

20 Dec 2019, Incidence and risk factors associated with low back pain among university office workers. Int J Occup Saf Ergon. 2019 Dec 19;;1-14 Authors: Chaiklieng S, Suggaravetsiri P, Stewart J Abstract This prospective cohort study investigated the incidence of lower back pain (LBP) and the risk factors for LBP among university-based office workers

Association between high fear-avoidance beliefs about physical activity and chronic disabling low back pain in nurses in Japan.

01 Dec 2019, Related Articles Association between high fear-avoidance beliefs about physical activity and chronic disabling low back pain in nurses in Japan. BMC Musculoskelet Disord. 2019 Nov 28;20(1):572

Authors: Fujii T, Oka H, Takano K, Asada F, Nomura T, Kawamata K, Okazaki H, Tanaka S, Matsudaira K
Abstract BACKGROUND: High prevalence of low back pain (LBP) in nurses has been reported globally

A Game-Theory Method to Design Job Rotation Schedules to Prevent Musculoskeletal Disorders Based on Workers' Preferences and Competencies.

28 Nov 2019, Related Articles A Game-Theory Method to Design Job Rotation Schedules to Prevent Musculoskeletal Disorders Based on Workers' Preferences and Competencies. Int J Environ Res Public Health. 2019 Nov 22;16(23): Authors: Asensio-Cuesta S, García-Gómez JM, Poza-Luján JL, Conejero JA
Abstract Job rotation is an organizational strategy based on the systematic exchange of workers between jobs in a

Musculoskeletal injury quality outcome indicators for the emergency department.

28 Nov 2019, Related Articles Musculoskeletal injury quality outcome indicators for the emergency department. Intern Emerg Med. 2019 Nov 26;: Authors: Strudwick K, Russell T, Bell AJ, Chatfield MD, Martin-Khan M, Research Collaboration for Quality Care for Musculoskeletal Injuries: Emergency Care Expert Panel
Abstract High standards of care for musculoskeletal injuries presenting to emergency departments (ED)

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