

Article title: Biopsychosocial, work-related, and environmental factors affecting work participation in people with Osteoarthritis: A systematic review.

Journal name: BMC Musculoskeletal Disorders

Authors: Angela Ching¹, Yeliz Prior¹, Jennifer Parker¹, Alison Hammond¹

Affiliation: ¹Centre for Health Sciences Research, University of Salford, Salford, Greater Manchester, United Kingdom.

Corresponding Author: Professor Yeliz Prior (email: y.prior@salford.ac.uk)

Additional File 1: Example of the search strategy for MEDLINE Ovid database.

The effect of osteoarthritis on work participation: a systematic review		
Database: MEDLINE (Ovid)		
Ovid MEDLINE(R) and Epub Ahead of Print, In-Process & Other Non-Indexed Citations, Daily and Versions(R) 1946 to 22.05.2022		
Population (P1)	<ol style="list-style-type: none"> 1. MeSH HEADING: exp Osteoarthritis/ 2. MeSH HEADING: Joint Diseases/ 3. (joint adj disorder*).mp. [mp=title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms] 4. MeSH HEADING: exp joints/ or elbow joint/ or exp foot joints/ or exp hand joints/ or exp hip joint/ or exp knee joint/ or shoulder joint/ 5. coxarthrosis.mp. [mp=title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms] 6. gonarthrosis.mp. [mp=title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms] 7. MeSH HEADING: exp Arthralgia/ 8. (joint adj pain*).mp. [mp=title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms] 9. arthrosis.mp. [mp=title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, protocol supplementary 	<p>Sets 1-11 are the MeSH terms and Text Word for the population (i.e people with osteoarthritis in any joint). They are combined using OR</p>

	<p>concept word, rare disease supplementary concept word, unique identifier, synonyms]</p> <p>10. arthroses.mp. [mp=title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms]</p> <p>11. arthropath*.mp. [mp=title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms]</p> <p>12. 1 or 2 or 3 or 4 or 5 or 6 or 7 or 8 or 9 or 10 or 11</p>	
<p>Exposure(s) (E)</p>	<p>13. exp Adaptation, Psychological/ 14. exp Adaptation, Physiological/ 15. exp adaptation, biological/ 16. Social Adjustment/ 17. exp Emotional Adjustment/ 18. adjustment.mp. [mp=title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms] 19. exp Social Behavior/ 20. exp Psychology, Social/ 21. exp Psychology/ 22. exp Psychology, Industrial/ 23. exp Anxiety/ 24. DEPRESSION/ 25. Chronic Pain/ 26. Pain Management/ 27. exp Occupational Stress/ 28. exp Stress, Psychological/ 29. exp Fatigue/ 30. "Quality of Life"/ 31. coping.mp. [mp=title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms] 32. coping behavio?r.mp. [mp=title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms] 33. exp social environment/ 34. exp psychosocial support systems/ 35. Social Isolation/</p>	<p>Sets 13-63 are the MeSH terms and Text Word for the exposures (i.e any biopsychosocial factors that could impact work participation). They are combined using OR</p>

	<p>36. biopsychosocial.mp. [mp=title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms]</p> <p>37. bio-psychosocial.mp. [mp=title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms]</p> <p>38. biopsychosocial factors.mp. [mp=title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms]</p> <p>39. Economics, Behavioral/</p> <p>40. behavio?r*.mp. [mp=title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms]</p> <p>41. exp Socioeconomic Factors/</p> <p>42. socioeconomic.mp. [mp=title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms]</p> <p>43. socio-economic.mp. [mp=title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms]</p> <p>44. economic*.mp. [mp=title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms]</p> <p>45. MeSH HEADING: exp sociological factors/</p> <p>46. exp Ergonomics/</p> <p>47. Job Satisfaction/</p> <p>48. (job adj accommodation*).mp. [mp=title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms]</p> <p>49. (Workplace adj accommodation*).mp. [mp=title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, protocol</p>	
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	<p>supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms]</p> <p>50. (Work adj adaptation*).mp. [mp=title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms]</p> <p>51. (Work adj change*).mp. [mp=title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms]</p> <p>52. (Work adj transition*).mp. [mp=title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms]</p> <p>53. Occupational Health/ 54. exp Occupational Diseases/</p> <p>55. (Work adj environment).mp. [mp=title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms]</p> <p>56. (Work adj redesign).mp. [mp=title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms]</p> <p>57. Rehabilitation, Vocational/ 58. Workload/</p> <p>59. (work adj3 attitude*).mp. [mp=title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms]</p> <p>60. environmental adjustment.mp. [mp=title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms]</p> <p>61. Employment, Supported/ 62. burden.mp. [mp=title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms]</p> <p>63. impact.mp. [mp=title, abstract, original title, name of substance word, subject heading word, floating sub-heading</p>	
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	<p>word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms]</p> <p>64. 13 or 14 or 15 or 16 or 17 or 18 or 19 or 20 or 21 or 22 or 23 or 24 or 25 or 26 or 27 or 28 or 29 or 30 or 31 or 32 or 33 or 34 or 35 or 36 or 37 or 38 or 39 or 40 or 41 or 42 or 43 or 44 or 45 or 46 or 47 or 48 or 49 or 50 or 51 or 52 or 53 or 54 or 55 or 56 or 57 or 58 or 59 or 60 or 61 or 62 or 63</p>	
<p>Outcome (O)</p>	<p>65. Exp Work/ 66. Workplace/ 67. exp Employment/ 68. vocation.mp. [mp=title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms] 69. (paid adj work).mp. [mp=title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms] 70. Return to Work/ 71. exp Occupations/ 72. Occupation*.mp. [mp=title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms] 73. exp Disability Evaluation/ 74. Sick Leave/ 75. Absenteeism/ 76. Presenteeism/ 77. exp EFFICIENCY/ 78. exp "Task Performance and Analysis"/ 79. Work Performance/ 80. (job adj performance).mp. [mp=title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms] 81. (work adj participation).mp. [mp=title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms] 82. (work adj productivity).mp. [mp=title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, protocol</p>	<p>Sets 65-89 are the MeSH terms and Text Word for the outcomes related to work participation. They are combined using OR</p>

	<p>supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms]</p> <p>83. (work adj impairment).mp. [mp=title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms]</p> <p>84. (work adj limitation*).mp. [mp=title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms]</p> <p>85. (job adj limitation*).mp. [mp=title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms]</p> <p>86. (job adj disruption*).mp. [mp=title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms]</p> <p>87. (work adj disruption*).mp. [mp=title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms]</p> <p>88. Retirement/</p> <p>89. (early adj retirement).mp. [mp=title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms]</p> <p>90. 65 or 66 or 67 or 68 or 69 or 70 or 71 or 72 or 73 or 74 or 75 or 76 or 77 or 78 or 79 or 80 or 81 or 82 or 83 or 84 or 85 or 86 or 87 or 88 or 89</p>	
<p>Study design (SD)</p>	<p>91. exp epidemiologic studies/ or exp case-control studies/ or exp cohort studies/ or cross-sectional studies/</p> <p>92. "surveys and questionnaires"/ or exp health care surveys/ or exp health surveys/</p> <p>93. 91 or 92</p>	<p>Sets 91-92 are the MeSH terms and Text Word for the study design. They are combined using OR</p>
<p>Combination of P & E & O & SD</p>	<p>94. 12 and 64 and 90 and 93</p>	<p>Final combination: 12 and 64 and 90 and 93</p>