

Supplementary files

Table S1. Well-known validated tools used to measured psychosocial work factors. (1)

Instrument	Reference for items of the questionnaires	References of validation
Job Content Questionnaire	http://www.jcqcenter.org/	(2-4)
Effort-reward-imbalance Questionnaire	(5-8)	(9-11)
Copenhagen Psychosocial Questionnaire	https://www.copsoq-network.org/ http://www.arbejdsmiljoforskning.dk/en/projekter/amis-spoergeskema-om-psykisk-arbejdsmiljoe/kontaktinfo	(12)
Job demands-resources	(13, 14)	(13, 15)

Table S2. Search strategy for Medline (OVID) carried out on 31 October 2017 (1)

#line	Set of keywords	Search strategy	Results
#1	Concepts and terms that refer to both the population and exposure	(job adj2 (control OR security OR insecurity OR strain OR stress OR stressor OR stressors OR demand OR demands OR demanding)).tw. OR *workload/ OR workload.tw. OR (work adj2 (stress OR stressor OR stressors)).tw.	35 611
#2	Population: Workers	*employment/ OR *occupations/ OR employee*.tw. OR (job or jobs).tw. OR employment.tw. OR work.ti. OR *work/ OR *workplace/ OR (occupation OR occupations).tw. OR workplace*.tw.	278 253
#3	Exposure: Psychosocial work factors from the DCS, ERI and OJ models	exp *sociological factors/px OR *stress, psychological/ OR *social justice/ OR *reward/ or reward.tw. OR overcommitment.tw. OR siegrist*.tw. OR siegrist j.au. OR karasek*.tw. OR karasek r.au. OR karasek ra.au. OR skill discretion.tw. OR social support.tw. OR *Social Support/ OR (iso-strain OR iso strain).tw. OR decision authority.tw. OR decision making.tw. OR *Decision Making/ OR (decision adj2 latitude*).tw. OR (demand* adj2 latitude*).tw. OR (demand* adj2 control).tw. OR (psychological* adj2 demand*).tw. OR (equity or inequities or inequity).tw. OR (intrinsic adj5 effort*).tw. OR psychosocial.tw. OR ((organizational OR organisational OR distributive OR procedural OR interactional OR relational) adj5 (justice OR injustice)).tw.	398 440
#4	Outcomes: Mental health problems	(Psychiatric* adj2 morbidity).tw. OR Hospitalisation*.tw. OR *Hospitalization/ OR Hospitalization*.tw. OR exp *Somatoform Disorders/ OR (((leave OR leaves OR	964 423

	(MHP), including medically certified sickness absences for MHP	absence) and (disability OR sickness OR sick)) OR sick-list*).tw. OR sick leave/ OR Absenteeism.tw. OR *Absenteeism/ OR psychotrop*.tw. OR exp *Psychotropic Drugs/ OR (Psychological disorder OR Psychological disorders).tw. OR *Psychophysiologic Disorders/ep OR *Psychophysiologic Disorders/pp OR *Psychophysiologic Disorders/px OR (Mental disorder OR Mental disorders).tw. OR Mental health.tw. OR *Mental Health/ OR Anxiolytic*.tw. OR Anxiety.tw. OR Antidepress*.tw. OR *Anxiety/ OR depressive.tw. OR *Depressive Disorder/ OR *Depression/ or depression.tw. OR *Anxiety Disorders/ OR *Mental Disorders/ep OR *Mental Disorders/pp OR *Mental Disorders/px	
#5	Terms referring to both population and exposure AND outcome keywords	#1 AND #4	4331
#6	population AND exposure AND outcome	#2 AND #3 AND #4	5912
#7	Total for MEDLINE	#5 OR #6	8489

REFERENCES

1. Duchaine CS, Gilbert-Ouimet M, Aube K, et al. Effect of psychosocial work factors on the risk of certified absences from work for a diagnosed mental health problem: a protocol of a systematic review and meta-analysis of prospective studies. *BMJ open*. 2018;8:e025948.
2. Johnson JV. Theoretical developments in psychosocial work environment research. *International journal of health services : planning, administration, evaluation*. 1989;19:457-458.
3. Karasek R, Brisson C, Kawakami N, et al. The Job Content Questionnaire (JCQ): an instrument for internationally comparative assessments of psychosocial job characteristics. *Journal of Occupational Health Psychology*. 1998;3:322-355.
4. Karasek R, Theorell T. Health work stress, productivity and reconstruction of working life. New York: Wiley; 1990:381 p.
5. Siegrist J. The model of effort-reward imbalance: Measurement 2003 [21 June, 2006]. Available from: <http://www.uni-duesseldorf.de/MedicalSociology/index-eri.htm>.

6. Siegrist J. Effort-reward imbalance at work - theory, measurement and evidence. Germany: University Dusseldorf, 2012 Contract No.: 17 june 2016.
7. Siegrist J, Montano D. ERI - Questionnaires - Users Guide. Germany: University Dusseldorf, 2013 29 may 2013. Report No.: Contract No.: version 22.11.2012.
8. Siegrist J, Peter R. Measuring effort-reward imbalance at work: Guidelines. Düsseldorf: 1996 July. Report No.
9. Siegrist J. Adverse health effects of high-effort/low-reward conditions. *J Occup Health Psychol.* 1996;1:27-41.
10. Siegrist J. Adverse health effects of effort-reward imbalance at work: theory, empirical support, and implications for prevention. In: Cooper C, editor. Theories of organizational stress. Oxford: Oxford University Press; 1998: p. 190-204.
11. Siegrist J, Starke D, Chandola T, et al. The measurement of effort-reward imbalance at work: European comparisons. *Social science & medicine (1982).* 2004;58:1483-1499.
12. Kristensen TS, Hannerz H, Hogh A, et al. The Copenhagen Psychosocial Questionnaire--a tool for the assessment and improvement of the psychosocial work environment. *Scand J Work Environ Health.* 2005;31:438-449.
13. Demerouti E, Bakker AB, Nachreiner F, et al. The job demands-resources model of burnout. *The Journal of applied psychology.* 2001;86:499-512.
14. Moorman RH. Relationship between organizational justice and organizational citizenship behaviors: Do fairness perceptions influence employee citizenship? *Journal of Applied Psychology.* 1991;76:845-855.
15. Bakker AB, Demerouti E. The Job Demands-Resources model: State of the art. *Journal of Managerial Psychology.* 2007;22:309-328.