Job Quality: The Impact of Work Organisation on Health

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Introduction

This chapter examines the relationship between a key element of job quality, namely work organisation and health. In particular, it focuses on how a form of work organisation, precarious work, can damage the health, safety and wellbeing of workers and the wider community. The chapter is divided into three sections. The first provides a short historical overview of research linking job quality to health. The second examines evidence regarding the health effects of precarious work and efforts to explain them. The third section examines the policy and research implications of this evidence and the broader debates they raise about job quality. The intention is not only to demonstrate that work organisation can lead to poorer health but also to illustrate the processes through which it does so and to examine the implications for interventions to improve job quality. The evidence presented demonstrates that programs to improve job quality are seriously constrained if they do not address key elements of work organisation.

Historical overview of work organisation and health

Arguably, one of the most profound effects of work is its impact on the health, safety and wellbeing of workers. There is extensive evidence that a key element of job quality, work organisation, significantly influences not only the health and wellbeing of workers themselves, but also that of their families and communities. 'Work organisation' is an umbrella term for various organisational and social factors ranging from those within the workplace (such as task design, payment systems and authority structures)



demands on them and ensuring a greater degree of employment security and regulatory protection are critical steps towards meaningful improvements in job quality. It will be very difficult to achieve these changes in the present political climate because making job quality a central social policy objective conflicts with the dominant neo-liberal policy discourse – a set of policies and practices that encourage poor quality and unhealthy jobs. These policy settings need to be challenged. It is also essential that disciplinary silos be broken down to provide more integrated analysis of the determinants of job quality. In this regard the authors have argued for a stronger engagement between different fields and a clearer focus on job quality among scholars from many disciplines.

References

- Ala-Mursula, L, Vahtera, J, Linna, A, Pentti, J and Kivimaki, M (2005), 'Employee work-time control moderates the effects of job strain and effort-reward imbalances on sickness absence: The 10-town study' 59 Journal of Epidemiology and Community Health 851
- Aronsson, G, Dallner, M, Lindh, T and Goransson, S (2005), 'Flexible pay but fixed expense: Personal financial strain among on-call employees' 35(3) *International Journal of Health Services* 499
- Aronsson, G, Gustafsson, K and Dallner, M (2000), 'Sick but yet at work: An empirical study of sickness presenteeism' 54 *Journal of Epidemiology and Community Health* 502
- Australian Bureau of Statistics (ABS) (2001), Employment Arrangements and Superannuation Arrangements Australia: April-June 2000, Catalogue No 6361.0, Canberra
- Barling, J and Mendelson, M (1999), 'Parents' job insecurity affects children's grade performances through the indirect effects of beliefs in an unjust world and negative mood' 4(4) *Journal of Occupational Health Psychology* 347
- Barthe, B, Messing, K and Abbas, L (2011), 'Strategies used by women workers to reconcile family responsibilities with atypical work schedules in the service sector' 40 (Supplement) *Work* 47
- Benach, J, Muntaner, C, Chuung, H, Solar, O, Santana, V, Friel, S, Houweling, T and Marmot, M (2010b), 'The importance of government policies in reducing employment related health inequalities' 340 *British Medical Journal* 1392
- Benach, J, Muntaner, C, Santana, V (eds) and Employment Conditions Knowledge Network (EMCONET) (2007), Employment Conditions and Health Inequalities: Final Report to the WHO Commission on Social Determinants of Health (CSDH), Geneva
- Benach, J, Muntaner, C, with Solar, O, Santana, V, Quinlan, M (2010a), *Empleo, Trabajo y Desigualdades en Salud: Una Visión Global*, University of Pompa Fabra, Barcelona
- Bernstein, S, Lippel, K and Lamarche, L (2001), Women and Homework: The Canadian Legislative Framework, Status of Women Canada, Ottawa <www.swc-cfc.gc.ca/pubs/pubs pr/0662291433/200103_0662291433_1_e.html>
- Bhartia, R and Katz, M (2001), 'Estimation of health benefits from a local living wage ordinance' 91(9) *American Journal of Public Health* 1398
- Bohle, P, Pitts, C and Quinlan, M (2010), 'Time to call it quits: Older workers, precarious employment, safety and health' 40(1) *International Journal of Health Services* 23

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- Bohle, P, McNamara, M, Pitts, C and Quinlan, M (in press), 'Health and wellbeing of older workers: Comparing their associations with Effort–Reward Imbalance and Pressure, Disorganisation and Regulatory Failure' Work and Stress
- Boivin, D, Tremblay, G and James, F (2007), 'Working on atypical schedules' 8 Sleep Medicine 578
- Breeze, E, Fletcher, A, Leon, D, Marmot, M, Clarke, R and Shipley, M (2001), 'Do socioeconomic disadvantages persist into old age? Self-reported morbidity in a 29-year follow-up of the Whitehall Study' 91(2) *American Journal of Public Health* 277
- Broom, D, D'Souza, R, Strazdins, L, Butterworth, P, Parslow, R and Rodgers, B (2006), 'The lesser evil: Bad jobs or unemployment? A survey of middle-aged Australians' 63(3) *Social Science and Medicine* 575
- Burke, R and Greenglass, E (1999), 'Work-family conflict, spouse support, and nursing staff well-being during organizational restructuring' 4(4) *Journal of Occupational Health Psychology* 327
- Cardiff University, Kooperationsstelle Hamburg, Mälardalen University and CIOP-PIB Warsaw (2011), Assessing the Potential Impact of Emerging Trends and Risks on Labour Inspection Methodologies in the Domain of Occupational Health and Safety (the NERCLIS Project) Report (VC/2009/0571) prepared for the European Commission, three volumes, Luxembourg
- Carrasquillo, O, Carrasquillo, A and Shea, S (2000), 'Health insurance coverage of immigrants living in the United States: Differences by citizenship status and country of origin' 90(6) American Journal of Public Health 917
- Chandola, T, Marmot, M and Siegrist, J (2007), 'Failed reciprocity in close social relationships and health: Findings from the Whitehall II study' 63 Journal of Psychosomatic Research 403
- Cox, R, Desmarais, J and Lippel, K (2001), Les Enjeux Juridiques du Télétravail au Québec, CEFRIO, Québec <www.cefrio.qc.ca/fr/documents/projets/73-Teletravail-concilier-performance-et-qualite-de-vie.html>
- Croidieu, S, Charbotel, B, Vohito, M, Renaud, L, Jaussaud, J, Bourboul, C, Ardiet, D, Imbard, I, Guerin, A and Bergeret, A (2008), 'Call-handlers' working conditions and their subjective experience of work: A transversal study' 82 International Archive of Occupational and Environmental Health 67
- Dembe, A Erickson, J, Delbos, R and Banks, S (2005), 'The impact of overtime and long work hours on occupational injuries and illnesses' 62 *Occupational and Environmental Medicine*
- Devine, C, Farrell, T, Blake, C, Jastran, M, Wethington, E, and Bisogni, C (2009), 'Work conditions and the food choice coping strategies of employed parents' 41(5) *Journal of Nutrition Education and Behavior* 365
- Elovainio, M, Kivimaki, M, Linna, A, Brockner, J, van den Bos, K, Greenberg, J, Pentti, J, Virtanen, M and Vahtera, J, (2010), 'Does organisational justice protect from sickness absence following a major life event? A Finnish public sector study' 64 Journal of Epidemiology and Community Health 470
- European Foundation for the Improvement of Living and Working Conditions (Eurofound) (2001), For a Better Quality of Work, Summary, European Union Presidency Conference, Brussels 20-21 September, European Foundation for the Improvement of Living and Working Conditions, Dublin
- European Foundation for the Improvement of Living and Working Conditions (Eurofound) (2012), *Trends in Job Quality in Europe*, Publications Office of the European Union, Livembourg
- Felstead, A and Jewson, N (eds) (1999), Global Trends in Flexible Labour, McMillan, Basingstoke

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- Glazner, J, Borgerding, J, Lowery, J, Bondy, J, Mueller, K and Kreiss, K (1998), 'Construction injury rates may exceed national estimates: Evidence from the construction of Denver International Airport' 34(2) American Journal of Industrial Medicine 105
- Gordon, S, Buchanan, J and Bretherton, T (2008), Safety in Numbers: Nurse-to-Patient Ratios and the Future of Health Care, ILR Press, Cornell, Ithaca
- Goudswaard, A (2002), New Forms of Contractual Relationships and the Implications for Occupational Safety and Health, European Agency for Safety and Health at Work, Bilbao
- Guerrero, PF (2000), Pesticides: Improvements Needed to Ensure the Safety of Farmworkers and their Children: Report to Congressional Requesters, United States General Accounting Office, Washington, DC
- James, P, Johnstone, R, Quinlan, M and Walters, D (2007), 'Regulating supply chains for safety and health' 36(2) *Industrial Law Journal* 163
- Johnson, J (2008), 'Globalisation, workers' power and the psychosocial work environment: Is the demand-control-support model still useful in the neoliberal era?' Supplement No 6 Scandinavian Journal of Work Environment and Health 15
- Johnstone, R, Quinlan, M and Mayhew, C (2001), 'Outsourcing risk? The regulation of OHS where contractors are employed' 22(2 and 3) Comparative Labor Law and Policy Journal 351
- Johnstone, R, Quinlan, M and Walters, D (2005) 'Statutory occupational health and safety workplace arrangements for the modern labour market' 47(1) *Journal of Industrial Relations* 93
- Karasek, R (1979), 'Job demands, job decision latitude, and mental strain: Implications for job re-design' 24 *Administrative Science Quarterly* 285
- Lacey, R, Lewis, M and Sim, J (2007), 'Piecework, musculoskeletal pain and the impact of workplace psychosocial factors' 57 Occupational Medicine 430
- Lewchuk, W, Clarke, M and de Wolff, A (2011), Working Without Commitments: Precarious Employment and Health, McGill Queens University Press, Montreal
- Lippel, K (2006), 'Precarious employment and occupational health and safety regulation in Quebec' in Vosko, L (ed) *Precarious Employment: Understanding Labour Market Insecurity in Canada*, McGill-Queens University Press, Montreal
- Lipscomb, H, Kucera, K, Epling, C and Dement, J (2008), 'Upper extremity musculoskeletal symptoms and disorders among a cohort of women employed in poultry processing' 51 American Journal of Industrial Medicine 21
- Malenfant, R, LaRue, A and Vezina, M (2007), 'Intermittent work and well-being: One foot in the door, one foot out' 55(6) *Current Sociology* 814
- Marmot, M (1998), 'Contribution of psychosocial factors to socioeconomic differences in health' 76(3) Millbank Quarterly 403
- Matthews, L, Bohle, P, Quinlan, M and Rawlings, WO (2012), 'Traumatic death at work: Consequences for surviving families' 42(4) *International Journal of Health Services* 647
- Mayhew, C and Quinlan, M (2006) 'Economic pressure, multi-tiered subcontracting and occupational health and safety in the Australian long haul trucking industry' 28(3) *Employee Relations* 212
- McCurdy, S, Samuels, S, Carroll, D, Beaumont, J and Morrin, L (2002), 'Injury risks in children of California migrant Hispanic farm worker families' 42(2) *American Journal of Industrial Medicine* 124
- Morris, J, Cook, D and Shaper, A (1994), 'Loss of employment and mortality' 308 (6937) British Medical Journal 1135
- Nichols, T and Armstrong, P (1973), Safety or Profit: Industrial Accidents and the Conventional Wisdom, Falling Wall Press, Bristol

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- Niedhammer, I, Chastang, J, David, S, Barouhiel, L and Barrington, G (2006), 'Job-strain and effort-reward imbalance models in a context of major organisational changes' 12(2) International Journal of Occupational and Environmental Health 111
- Nyberg, A, Alfredsson, L, Theorell, T, Westerlund, H, Vahtera, J and Kivimaki, K (2009), 'Managerial leadership and ischaemic heart disease among employees: The Swedish WOLF study' 66 Occupational and Environmental Medicine 51
- Pena-Casas, R and Latta, M (2004), Working Poor in the European Union, European Foundation for the Improvement of Living and Working Conditions, Dublin
- Premji, S, Messing, K and Lippel, K (2008), "We work by the second!" Piecework remuneration and occupational health and safety from an ethnicity- and gender-sensitive perspective 1(1) Pistes 1
- Quinlan, M (2011), 'We've been down this road before: Vulnerable work and occupational health in historical perspective' in Sargeant, M and Giovanne, M (eds), *Vulnerable Workers:* Safety, Well-being and Precarious Work, Gower, Farnham Surrey
- Quinlan, M and Bohle, P (2008), 'Under pressure, out of control or home alone? Reviewing research and policy debates on the OHS effects of outsourcing and home-based work' 38(3) International Journal of Health Services 489
- Quinlan, M and Bohle, P (2009) 'Over-stretched and unreciprocated commitment: Reviewing research on the OHS effects of downsizing and job insecurity' 39(1) International Journal of Health Services 1
- Quinlan, M and Bohle, P (2014), 'Re-invigoration industrial relations as a field of study: Changes at work, substantive working conditions and the case of OHS' 38(3) New Zealand Journal of Employment Relations 1
- Quinlan, M, Hampson, I and Gregson, S (2013), 'Outsourcing and offshoring aircraft maintenance in the US: Implications for safety' 57 Safety Science 283
- Quinlan, M and Johnstone, R (2009), 'The implications of de-collectivist industrial relations laws and associated developments for worker health and safety in Australia, 1996-2007' 40(5) *Industrial Relations Journal* 426
- Quinlan, M, Johnstone, R and McNamara, M (2009), 'Australian health and safety inspectors' perceptions and actions in relation to changed work arrangements' 51(4) *Journal of Industrial Relations* 559
- Quinlan, M and Mayhew, C (1999), 'Precarious employment and workers' compensation' 22(5 and 6) *International Journal of Law and Psychiatry* 491
- Quinlan, M, Mayhew, C and Bohle, P (2001), 'The global expansion of precarious employment, work disorganisation and occupational health: A review of recent research' 31(2) International Journal of Health Services 335
- Quinlan, M and Sokas, R (2009), 'Community campaigns, supply chains and protecting the health and wellbeing of workers: Examples from Australia and the USA' 99(Supplement 3) American Journal of Public Health 538
- Rawling, M and Kaine, S (2012), 'Regulating supply chains to provide a safe rate for road transport workers' 25(3) Australian Journal of Labour Law 237
- Schweder, P (2009), OHS experiences of seasonal direct-Hire temporary employees, PhD thesis, University of New South Wales
- Shirom, A, Toker, S, Berliner, S and Shapira, I (2008), 'The job demand-control-support model and stress related low-grade inflammatory responses amongst healthy employees: A longitudinal study' 22(2) Work and Stress 138
- Siegrist, J (1996), 'Adverse health effects of high-effort/low-reward conditions' 1(1) Journal of Occupational Health Psychology 27

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- Starrin, B, Rantakeisu, U and Hagquist, C (1997), 'In the wake of recession: Economic hardship, shame and social disintegration' 23 (Supplement 4) *Scandinavian Journal of Work Environment and Health* 47
- Thebaud-Mony, A (1999), 'Contracting and subcontracting by the French nuclear power industry' 5(4) International Journal of Occupational and Environmental Health 296
- Weil, D (2009), 'Rethinking the regulation of vulnerable work in the USA: A sector based approach' 51 *Journal of Industrial Relations* 411
- Weil, D (2011), 'Enforcing labour standards in fissured workplaces: The US experience' 22(2) *Economic and Labour Relations Review* 33
- Williamson, A (2007), 'Predictors of psychostimulant use by long distance truck drivers' 166(11) American Journal of Epidemiology 1320