Original article. Scand J Work Environ Health – online first

Comprehensive profiles of psychological and social work factors as predictors of site-specific and multi-site pain[1]

by Jan Olav Christensen, PhD,[2] Morten Birkeland Nielsen, PhD, Live Bakke Finne, PhD, Stein Knardahl, PhD

1 *Supplementary tables*

2 *Correspondence to: Jan Olav Christensen, Department of Work Psychology and Physiology, National Institute of Occupational Health, P.O. Box 8149 Dep, N-0033 Oslo, Norway. [E-mail: joc@stami.no]*

Table S1

Profile enumeration: Fit indices for unconditional latent profile models (N=6175). The preferred solution in ***bold font***

No. of profiles	Log-Likelihood	AIC	BIC	Entropy	VLMR p-value	LMR p-value
2	-83443.4	166984.9	167314.6	0.80	0.00	0.00
3	-81767.6	163683.1	164181.0	0.78	0.00	0.00
4	**-80748.5**	**161695.0**	**162361.1**	**0.77**	**0.00**	**0.00**
5	-80142.5	160533.0	161367.3	0.77	0.71	0.71
6	-80405.6	161089.2	162024.4	0.76	0.24	0.25

Table S2

Multinomial logistic regression of latent profile groups on age, sex, and skill level (N=6175)

	Profile 1	Profile 2	Profile 3	Profile 4
	OR [95% CI]	OR [95% CI]	OR [95% CI]	Reference group
Female	**1.61 [1.30-2.00]**	**0.80 [0.65-0.98]**	**1.38 [1.11-1.71]**	ref
Age	1.00 [0.99-1.01]	0.99 [0.98-1.00]	0.99 [0.98-1.00]	ref
Skill level > 15 years	ref	ref	ref	
13-15 years	0.99 [0.69-1.42]	**0.46 [0.33-0.63]**	**3.03 [2.01-4.55]**	ref
10-12 years	**0.57 [0.40-0.80]**	**0.11 [0.08-0.16]**	**4.34 [2.97-6.34]**	ref
< 10 years	0.67 [0.29-1.55]	**0.22 [0.07-0.69]**	2.81 [0.80-9.92]	
"Unspecified"	**3.32 [2.18-5.06]**	**2.27 [1.54-3.35]**	0.91 [0.35-2.38]	

Note: Odds ratios express the difference in the odds of belonging to each latent profile group compared with latent profile group 4 for a unit change in the predictor, or for a category of the predictor compared with its reference category.