

Figure 1a: Distribution of PPS by gender

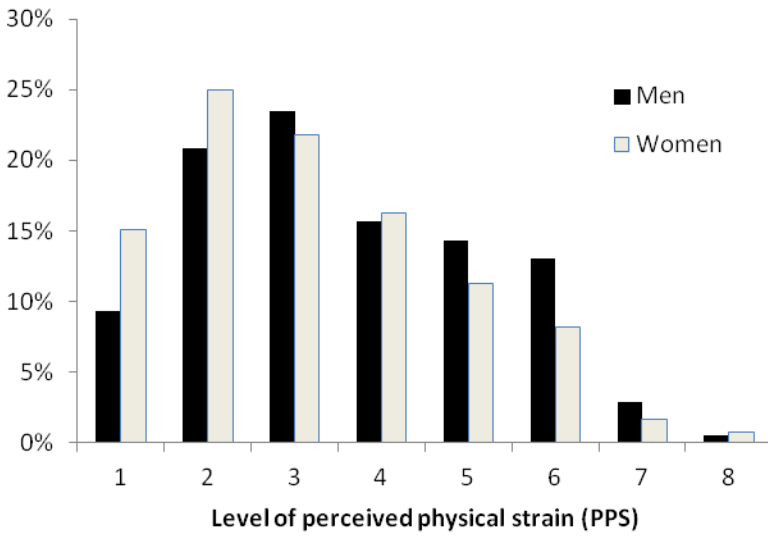


Figure 1a: Distribution of PPS by occupational grade

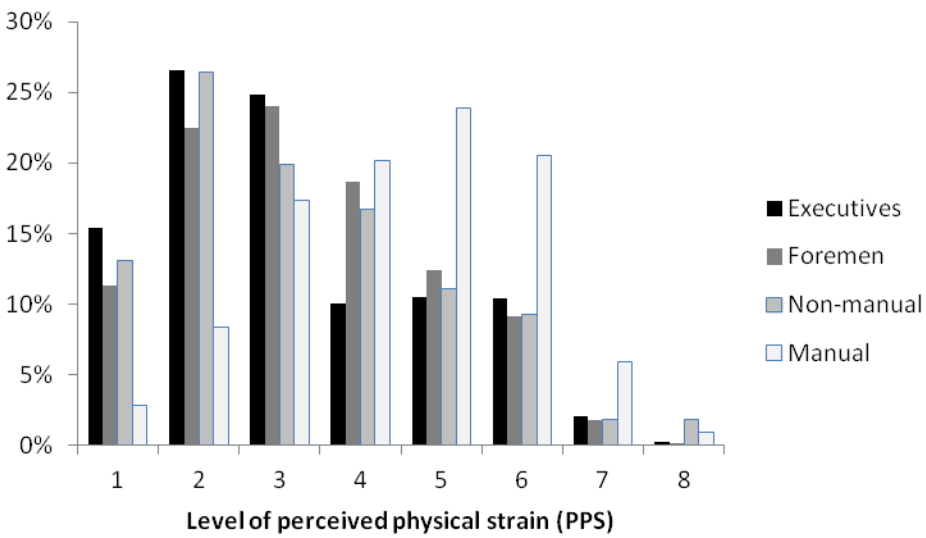


Table 2: By domain of constraint, distribution of number of physical work constraints and average PPS at each level; *p*-value for linear trend of PPS by *n* constraints per category

	N (%) total population	Mean (SD) PPS	N (%) men	Mean (SD) PPS	N (%) women	Mean (SD) PPS
N constraints related to work on knees						
0	2187 (83.73)	3.23 (1.61)	1123 (75.52)	3.31 (1.60)	1064 (94.58)	3.15 (1.61)
1	100 (3.83)	4.01 (1.69)	20 (4.71)	4.07 (1.71)	30 (2.67)	3.87 (1.67)
2	166 (6.36)	4.28 (1.46)	145 (9.75)	4.37 (1.42)	21 (1.87)	3.67 (1.60)
3	159 (6.09)	4.53 (1.59)	149 (10.02)	4.59 (1.57)	10 (0.89)	3.70 (1.70)
<i>p for trend</i>	--	<0.0001	--	<0.0001	--	0.0077
N constraints related to work with arms above shoulders						
0	2283 (87.40)	3.26 (1.62)	1216 (81.78)	3.37 (1.62)	1067 (94.84)	3.14 (1.61)
1	179 (6.85)	4.23 (1.46)	139 (9.35)	4.24 (1.42)	40 (3.56)	4.23 (1.61)
2	150 (5.74)	4.65 (1.53)	132 (8.88)	4.80 (1.49)	18 (1.60)	3.61 (1.50)
<i>p for trend</i>	--	<0.0001	--	<0.0001	--	0.0002
N constraints related to elbow strain						
0	2295 (87.86)	3.26 (1.62)	1283 (86.28)	3.52 (1.62)	1012 (89.96)	3.15 (1.63)
1	213 (8.15)	4.23 (1.46)	136 (9.15)	3.85 (1.70)	77 (6.84)	3.52 (1.60)
2	104 (3.98)	4.65 (1.53)	68 (4.57)	4.16 (1.91)	36 (3.20)	3.36 (1.42)
<i>p for trend</i>	--	<0.0001	--	<0.0001	--	0.0842
N constraints related to carrying heavy loads						
0	2247 (86.03)	3.25 (1.60)	1165 (78.35)	3.34 (1.59)	1082 (96.18)	3.15 (1.61)
1	207 (7.92)	4.13 (1.72)	167 (11.23)	4.17 (1.72)	40 (3.56)	3.94 (1.68)
2	158 (6.05)	4.76 (1.39)	155 (10.42)	4.75 (1.38)	3 (0.27)	5.33 (2.08)
<i>p for trend</i>	--	<0.0001	--	<0.0001	--	<0.0001
N constraints related to use of tools						
0	2107 (80.67)	3.21 (1.62)	1002 (67.38)	3.26 (1.62)	1105 (98.22)	3.17 (1.61)
1-3	144 (5.51)	3.72 (1.51)	129 (8.68)	3.67 (1.50)	15 (1.33)	4.13 (1.64)
4-6	135 (5.17)	4.21 (1.48)	130 (8.74)	4.17 (1.50)	5 (0.44)	5.20 (0.45)
7-9	138 (5.28)	4.54 (1.52)	138 (9.28)	4.54 (1.52)	0 (0%)	n/a
10 or more	88 (3.37)	4.59 (1.46)	88 (5.92)	4.59 (1.46)	0 (0%)	n/a
<i>p for trend</i>	--	<0.0001	--	<0.0001	--	<0.0001
N constraints related to pulling objects						
0	2347 (89.85)	3.28 (1.62)	1225 (82.38)	3.37 (1.61)	1122 (99.73)	3.18 (1.62)
1	107 (4.10)	4.09 (1.58)	104 (6.99)	4.09 (1.58)	3 (0.27)	4.22 (2.08)
2	98 (3.75)	4.64 (1.40)	98 (6.59)	4.64 (1.40)	0 (0%)	n/a
3	60 (2.30)	5.15 (1.27)	60 (4.03)	5.15 (1.27)	0 (0%)	n/a
<i>p for trend</i>	--	<0.0001	--	<0.0001	--	0.1527
N constraints related to walking						
0	2191 (83.88)	3.25 (1.61)	1110 (74.65)	3.35 (1.62)	1081 (96.09)	3.16 (1.61)
1	221 (8.46)	4.14 (1.52)	196 (13.18)	4.18 (1.50)	25 (2.22)	3.80 (1.71)
2	200 (7.66)	4.32 (1.65)	181 (12.17)	4.37 (1.63)	19 (1.69)	3.79 (1.78)
<i>p for trend</i>	--	<0.0001	--	<0.0001	--	0.0091

N constraints related to climbing

0	1426 (54.59)	3.13 (1.61)	660 (44.38)	3.18 (1.61)	766 (68.09)	3.10 (1.62)
1	746 (28.56)	3.44 (1.59)	437 (29.39)	3.52 (1.56)	309 (27.47)	3.33 (1.62)
2	177 (6.78)	4.05 (1.65)	141 (9.48)	4.21 (1.62)	36 (2.30)	3.44 (1.61)
3	126 (4.82)	4.06 (1.57)	112 (7.53)	4.04 (1.62)	14 (1.24)	4.21 (1.12)
4	137 (5.25)	4.67 (1.46)	137 (9.31)	4.67 (1.46)	0 (0%)	n/a
<i>p for trend</i>	--	<0.0001	--	<0.0001	--	0.0007

Table 3: Frequency distribution of domains of physical constraints in population and mean level of PPS by number of domains of physical strain reported, 1994

<i>n</i> domains of physical strain in 1994	N (%) total population	Mean (SD) PPS	N (%) men	Mean (SD) PPS	N (%) women	Mean (SD) PPS
0	1211 (46.36)	3.08 (1.60)	521 (35.04)	3.10 (1.59)	690 (61.33)	3.06 (1.60)
1	607 (23.24)	3.23 (1.57)	333 (22.39)	3.28 (1.57)	274 (24.36)	3.16 (1.58)
2	262 (10.03)	3.74 (1.62)	160 (10.76)	3.76 (1.60)	102 (9.07)	3.71 (1.67)
3	151 (5.78)	3.65 (1.46)	117 (7.87)	3.68 (1.41)	34 (3.02)	3.56 (1.65)
4	92 (3.52)	3.85 (1.61)	79 (5.31)	3.81 (1.62)	13 (1.16)	4.08 (1.66)
5	70 (2.68)	4.30 (1.57)	63 (4.24)	4.33 (1.63)	7 (0.62)	4.00 (0.81)
6	70 (2.68)	4.57 (1.47)	68 (4.57)	4.59 (1.48)	2 (0.18)	4.00 (1.41)
7	101 (3.87)	4.82 (1.41)	99 (6.66)	4.81 (1.41)	2 (0.18)	5.50 (0.71)
8	48 (1.84)	4.75 (1.45)	47 (3.16)	4.72 (1.46)	1 (0.09)	6.00 (--)
<i>p for trend</i>	--	<0.0001	--	<0.0001	--	<0.0001