

Table S1 Self-reported physical and mental functioning in early old age according to work exposure in midlife

<i>Questions describing job demand at age 36*</i>	n	%	Physical component			Mental component		
			mean	SD	p [†]	mean	SD	p [†]
If there are deadlines to meet at work, how does it feel:					0.561			0.032
Has deadlines and feels very stressful [2]	87	5.9	51.2	10.2		50.6	8.7	
Has deadlines and feels fairly stressful [1]	406	27.3	50.7	9.7		51.3	8.2	
No deadlines and if so not particularly stressful [0]	992	66.8	51.4	8.9		52.3	8.1	
Does work take emotionally:					0.611			0.005
A lot out of you [2]	286	19.3	51.3	9.7		50.6	9.2	
A moderate amount [1]	542	36.5	51.5	9.7		51.9	7.9	
Very little [0]	657	44.2	50.9	10.4		52.5	7.8	
At the end of an average work day feeling often pressed for time:					0.245			0.003
Yes [1]	583	39.3	50.8	9.9		51.1	8.8	
No [0]	902	60.7	51.4	10.1		52.4	7.7	
<i>Questions describing job control at age 43*</i>								
Is there a possibility to learn new things through work:					0.004			0.067
Seldom/never [2]	171	11.5	48.9	11.1		50.6	8.2	
Sometimes [1]	616	41.5	51.3	10.2		52.0	9.5	
Often [0]	698	47.0	51.7	9.5		52.2	7.8	
Do you have a good deal of say in how you do your work:					0.094			0.357
Seldom/never [2]	127	8.6	49.6	11.2		51.1	9.0	
Sometimes [1]	390	26.2	50.9	10.2		51.7	8.2	
Often [0]	968	65.2	51.5	9.7		52.1	8.0	

* Job demand score was formed from three and job control from two questions by summing up the scores (in brackets), range 0 to 5 and 0 to 4, respectively

[†] Analyses of variance

Table S2 Unstandardized regression coefficients (β) and 95% confidence intervals (CI) for physical and mental functioning in early old age according to work exposures in midlife using complete data on all variables (n=994)

	Model 1		Model 2		Model 3		Model 4		Model 5	
	β (95% CI)*	p	β (95% CI)*	p	β (95% CI)*	p	β (95% CI)*	p	β (95% CI)*	p
Physical functioning										
Job control	0.70 (0.13, 1.27)	0.016	0.75 (0.17, 1.33)	0.012	0.50 (-0.11, 1.10)	0.106	0.39 (-0.20, 0.98)	0.191	0.32 (-0.28, 0.92)	0.29
Job demand	-0.06 (-0.50, 0.39)	0.80	-0.18 (-0.64, 0.27)	0.43	-0.33 (-0.79, 0.13)	0.160	-0.44 (-0.89, 0.006)	0.053	-0.48 (-0.93, -0.03)	0.038
Mental functioning										
Job control	0.43 (-0.04, 0.90)	0.072	0.64 (0.17, 1.11)	0.008	0.51 (0.01, 1.00)	0.044	0.49 (-0.01, 0.98)	0.054	0.41 (-0.10, 0.91)	0.113
Job demand	-0.66 (-1.02, -0.30)	<0.001	-0.77 (-1.14, -0.40)	<0.001	-0.80 (-1.18, -0.43)	<0.001	-0.87 (-1.24, -0.49)	<0.001	-0.87 (-1.25, -0.49)	<0.001

Model 1 adjusted for gender; Model 2 adjusted for gender and the other work exposure; Model 3 same adjustments as Model 2 plus father's and mother's education, parents interest in study member's school at age 7 and cognitive ability at age 8; Model 4 same adjustments as Model 2 plus occupational status at age 43 and smoking, physical activity and BMI at ages 60-64; Model 5 adjusted for all covariates included in Models 2, 3 and 4.

* Differences in mean physical and mental functioning scores per 1 unit increase in job demand/control score, formation of work exposure variables explained in Table S1.

Table S3 Contribution of childhood exposures to the association between work exposures in midlife and physical and mental functioning in early old age, unstandardized regression coefficients (β), 95% confidence intervals (CI) and change in regression coefficients, n=1485

Childhood exposures [‡]	Physical functioning*			Mental functioning					
	Job control		Change [†] %	Job control		Change [†] %	Job demand		Change [†] %
	β (95% CI)	p		β (95% CI)	p		β (95% CI)	p	
Base model	0.76 (0.27, 1.26)	0.002		0.62 (0.23, 1.02)	0.002		-0.72 (-1.03, -0.41)	<0.001	
Father's education at age 4	0.69 (0.19, 1.18)	0.007	-9.2	0.64 (0.24, 1.04)	0.002	3.3	-0.71 (-1.02, -0.40)	<0.001	-1.4
Mother's education at age 4	0.72 (0.23, 1.22)	0.004	-5.3	0.60 (0.20, 1.00)	0.003	-3.2	-0.74 (-1.06, -0.43)	<0.001	2.7
Teacher's assessment of parents interest in school at age 7	0.66 (0.16, 1.16)	0.009	-13.2	0.53 (0.12, 0.93)	0.011	-14.5	-0.77 (-1.08, -0.45)	<0.001	3.9
Cognitive ability at age 8	0.65 (0.15, 1.16)	0.011	-14.5	0.57 (0.17, 0.98)	0.006	-8.1	-0.76 (-1.08, -0.44)	<0.001	5.6
All childhood exposures	0.58 (0.08, 1.09)	0.024	-23.7	0.52 (0.11, 0.93)	0.014	-16.1	-0.76 (-1.08, -0.45)	<0.001	5.6

* Presented for the work exposure significantly associated with physical functioning in the base model

[†] $(\beta \text{ base model} - \beta \text{ adjusted model}) / (\beta \text{ base model}) \times 100\%$

[‡] All models adjusted for gender and the other work exposure