



Supplementary Materials

Table S1. Blue-collar workers. Interaction effect between binary age (64–76 vs. 59–63 years at baseline) and PDWT or PHWE on retired (vs. still in work).

	Women OR (95% CI)	Men OR (95% CI)
PDWT		
Main effect:		
light (ref)	–	–
moderate	1.18 (0.79; 1.78)	0.85 (0.56; 1.29)
heavy	1.82 (1.21; 2.74) *	1.21 (0.83; 1.79)
Interaction with binary		
age (≥64):	–	–
moderate	0.99 (0.39; 2.50)	1.85 (0.87; 3.90)
heavy	0.36 (0.14; 0.92) *	1.71 (0.80; 3.65)
PHWE		
Main effect:		
low-level (ref)	–	–
moderate	0.99 (0.69; 1.43)	0.84 (0.52; 1.35)
high-level	1.86 (1.06; 3.28) *	0.99 (0.63; 1.55)
Interaction with binary		
age (≥64):	–	–
moderate	1.55 (0.70; 3.42)	2.57 (1.17; 5.63) *
high-level	1.58 (0.30; 8.30)	2.79 (1.28; 6.09) *

Fully adjusted for age (linear, quadratic and binary age), wave (categorical), education, marital status, parental status, working time, and caring for a relative. * for $p < 0.05$.

Table S2. White-collar workers. Interaction effect between binary age (64–76 vs. 59–63 years at baseline) and PDWT or PHWE on retired (vs still in work).

	Women OR (95% CI)	Men OR (95% CI)
PDWT		
Main effect	0.77 (0.62; 0.97) *	0.71 (0.55; 0.92) *
Interaction with binary		
age (≥64)	1.24 (0.83; 1.85)	1.33 (0.85; 2.07)
PHWE		
Main effect	0.95 (0.77; 1.17)	1.03 (0.80; 1.34)
Interaction with binary		
age (≥64)	1.72 (1.15; 2.56) **	1.02 (0.64; 1.64)

Fully adjusted for age (linear, quadratic and binary age), wave (categorical), education, marital status, parental status, working time, and caring for a relative. * for $p < 0.05$, ** for $p < 0.01$.

Table S3. Blue-collar workers. Exclusion of disability pension in Model 3 and 4. Outcome was retired (1) vs. still in work (0) two years later in relation to PDWT and PHWE in trichotomized variables.

	Blue-Collar Women		Blue-Collar Men	
	Manuscript	Excl. Dis Pens	Manuscript	Excl. Dis Pens
Model 3:				
PDWT				
light (ref)	–	–	–	–
moderate	1.24 (0.86; 1.78)	1.17 (0.81; 1.70)	1.04 (0.74; 1.47)	1.04 (0.73; 1.47)
heavy	1.53 (1.07; 2.20) *	1.49 (1.03; 2.16) *	1.42 (1.02; 1.98) *	1.48 (1.06; 2.08) *
PHWE				
low-level (ref)	–	–	–	–
moderate	1.08 (0.78; 1.49)	1.09 (0.79; 1.52)	1.20 (0.82; 1.76)	1.30 (0.88; 1.92)
high-level	2.01 (1.19; 3.41) *	1.79 (1.04; 3.09) *	1.42 (0.98; 2.06) †	1.55 (1.06; 2.27) *
Model 4:				
Interaction term PDWT and linear age:				
age#light (ref)	–	–	–	–
moderate	0.97 (0.74; 1.28)	1.07 (0.80; 1.43)	1.06 (0.87; 1.30)	1.09 (0.88; 1.34)
high-level	0.77 (0.61; 0.99) *	0.81 (0.63; 1.03) †	1.10 (0.90; 1.36)	1.05 (0.85; 1.30)
Interaction term PHWE and linear age:				
low-level (ref)	–	–	–	–
moderate	1.02 (0.81; 1.28)	1.01 (0.80; 1.28)	1.21 (0.98; 1.51) †	1.17 (0.93; 1.48)
high-level	0.91 (0.66; 1.26)	0.98 (0.69; 1.39)	1.26 (1.02; 1.56) *	1.21 (0.97; 1.50) †

* for $p < 0.05$; † for $0.05 \leq p < 0.10$.**Table S4.** Blue-collar workers. Self-rated general health and physical & mental abilities added as covariates. Outcome was retired (1) vs. still in work (0) two years later in relation to PDWT and PHWE in trichotomized variables.

	Blue-Collar Women		Blue-Collar Men	
	Manuscript	Modified	Manuscript	Modified
Model 3:				
PDWT				
light (ref)	–	–	–	–
moderate	1.24 (0.86; 1.78)	1.23 (0.85; 1.79)	1.04 (0.74; 1.47)	1.06 (0.75; 1.51)
heavy	1.53 (1.07; 2.20) *	1.53 (1.05; 2.22) *	1.42 (1.02; 1.98) *	1.45 (1.03; 2.05) *
PHWE				
low-level (ref)	–	–	–	–
moderate	1.08 (0.78; 1.49)	1.06 (0.76; 1.49)	1.20 (0.82; 1.76)	1.11 (0.75; 1.64)
high-level	2.01 (1.19; 3.41) *	1.78 (1.04; 3.06) *	1.42 (0.98; 2.06) †	1.24 (0.85; 1.82)
Model 4:				
Interaction term PDWT and linear age:				
age#light (ref)	–	–	–	–
moderate	0.97 (0.74; 1.28)	0.97 (0.73; 1.28)	1.06 (0.87; 1.30)	1.04 (0.85; 1.28)
high-level	0.77 (0.61; 0.99) *	0.79 (0.61; 1.01) †	1.10 (0.90; 1.36)	1.06 (0.86; 1.31)
Interaction term PHWE and linear age:				
age#low-level (ref)	–	–	–	–
moderate	1.02 (0.81; 1.28)	1.02 (0.81; 1.28)	1.21 (0.98; 1.51) †	1.21 (0.97; 1.51) †
high-level	0.91 (0.66; 1.26)	0.94 (0.67; 1.31)	1.26 (1.02; 1.56) *	1.26 (1.02; 1.55) *

* for $p < 0.05$; † for $0.05 \leq p < 0.10$.

Table S5. White-collar workers. Self-rated general health and physical and mental abilities added as covariates. Outcome was retired (1) vs. still in work (0) two years later in relation to PDWT and PHWE in dichotomised variables.

	White-Collar Women		White-Collar Men	
	Manuscript	Modified	Manuscript	Modified
Model 3:				
PDWT	0.84 (0.70; 1.00) †	0.82 (0.69; 0.99) *	0.78 (0.63; 0.96) *	0.74 (0.60; 0.92) **
PHWE	1.10 (0.92; 1.31)	1.06 (0.89; 1.27)	1.04 (0.84; 1.30)	0.99 (0.79; 1.24)
Model 4:				
Interaction term				
PDWT and linear age	1.08 (0.97; 1.21)	1.08 (0.97; 1.21)	1.10 (0.98; 1.24)	1.10 (0.97; 1.24)
Interaction term				
PHWE and linear age	1.20 (1.08; 1.34) ***	1.19 (1.07; 1.33) ***	0.99 (0.87; 1.11)	0.98 (0.86; 1.10)

*** for $p < 0.001$; ** for $p < 0.01$; * for $p < 0.05$; † for $0.05 \leq p < 0.10$.