A /* 1 *		Follow-up time (years)		
Age at inclusion	Minimum	Maximum	Mean	No. of individuals
FPS (Finland)				
50 - 54	0	16	6.1	25225
55 – 59	0	16	8.5	8909
60 - 64	0	16	8.9	1610
65 - 69	0	9	3.3	36
70 - 74	-	-	-	-
All ages	0	16	6.8	35780
GAZEL (France)				
50 - 54	0	17	13.8	10251
55 - 59	0	17	14.2	1040
60 - 64	0	13	1.9	11
65 - 69	-	-	-	-
70 - 74	-	-	-	-
All ages	0	17	13.8	11302
SLOSH (Sweden)				
50 - 54	0	8	4.8	3482
55 – 59	0	8	7.3	2016
60 - 64	0	8	7.4	1958
65 - 69	0	8	7.1	850
70 - 74	0	2	0.4	25
All ages	0	8	6.0	8330
WHII (UK)				
50 - 54	0	28	15.6	7680
55 – 59	0	28	14.9	1250
60 - 64	0	23	6.0	155
65 - 69	0	16	1.2	27
70 - 74	-	-	-	-
All ages	0	28	15.2	9121

eTable 1. Distribution of follow-up time in years during the study period by age at inclusion.

eTable 2. Operationalization of exposure and outcome variables in each study cohort.

	Job strain	Self-rated health*	Chronic disease#
FPS (Finland)	Job Content Questionnaire (JCQ) Questions demand scale: 1. Working very hard/intensively 2. No excessive amount of work/too much effort 3. Enough time	Question: "How is your health?"Good healthGood, Fairly goodSuboptimalAverage, Fairly poor healthAnd Poor	Question: "Has a doctor told you that you have or have had? (1) myocardial infarction or angina pectoris, (2) stroke, (3) chronic bronchitis or asthma, (4) diabetes or high blood sugar; and (5) cancer or a malignant tumour of any kind except skin cancer*"
	 Questions control scale: 1. Learn new things 2. High level of skill 3. Creativity/initiative 4. Repetitive work 5. A lot of say/what to do 6. Little freedom/how to do 		 * For the first two waves cancer was not inquired, thus information from cancer register was used No chronic No to any of the above disease Chronic Yes to any of the disease above
	Job strain: a combination of mean demands scores above the median and mean control scores below the median.		
GAZEL (France)	Job Content Questionnaire (JCQ) Questions demands scale: 1. Working fast 2. Working hard/intensively 3. No excessive amount of work/too much effort 4. Enough time 5. Conflicting demands	Question: "How would you judge the state of your general health?"The respondents were asked to rate their health on an eight level scale ranging from "very good" (coded 1) to "very poor" (coded 8)Good healthScores 1-4	Subjects were asked to put a check mark next to the diseases in a list of diseases and symptoms from which they had suffered over the past 12 months including: Myocardial infarction Diabetes Stroke Chronic bronchitis Asthma Cancer

	Questions control scale:1.Learn new things2.High level of skill3.Creativity/initiative4.Repetitive work5.A lot of say/what to do6.Little freedom/how to do	Suboptimal health	Scores 5-8	No chronic disease Chronic disease	Absence of any of the above Presence of any of the above
	Job strain: a combination of mean demands scores above the median and mean control scores below the median.				
SLOSH (Sweden)	Demand Control Questionnaire (DCQ) Questions demands scale: 1. Working fast 2. Working hard/intensively 3. No excessive amount of work/too much effort 4. Enough time 5. Conflicting demands	Question: "Hov general state of Good health Suboptimal health	w would you rate your 'health?'' Very good, Quite good Neither good nor bad, Quite poor and Very poor	Question: "Do you have or have you any of the following long-standing an serious diseases or complaints during past 2 years and how much has it imp on your life?" (1) cardiovascular disease, (2) chroni obstructive lung disease, (3) asthma a (4) diabetes	
	Questions control scale:1.Learn new things2.High level of skill3.Creativity/initiative4.Repetitive work5.A lot of say/what to do6.Little freedom/how to do			No Yes, but it doe Yes, impacts n Yes, impacts n	ons for each condition: s not impact on my life at all ny life somewhat ny life a lot n cancer is from cancer
	Job strain: a combination of mean demands scores above the median and mean control scores below the median.			No chronic disease Chronic disease	No to any of the above and no malignant cancer diagnose in the cancer register Yes to any of the above or a malignant

					cancer diagnose in the cancer register
WHII (UK)	 Minor modification of Job Content Questionnaire (JCQ) Questions demand scale: Working very fast Working very hard/intensively Enough time Conflicting demands Questions control scale: Learn new things High level of skill Creativity/initiative Repetitive work A lot of say/what to do Little freedom/how to do Job strain: a combination of mean demands scores above the median and mean control scores below the median. 	Question: "In g health is?" Good health Suboptimal health	eneral would you say your Excellent, Very good, Good Fair and Poor	you have had . (1) a heart attact trouble? (enlar heart failure), (transient ischard Question. "Do illness, disease which you hav last 12 months (3) chronic lun conditions cod asthma)	s a doctor ever told you that

*Used in combination with mortality to assess healthy life-expectancy (HLE) # Used in combination with mortality to assess chronic-disease free life expectancy (CDFLE)

	Transition			
	Healthy to	Unhealthy to	Healthy to	Unhealthy to Death
	Unhealthy	Healthy	Death	OR (95% CI)*
	OR (95% CI)*	OR (95% CI)*	OR (95% CI)*	
FPS (Finland)				
No job strain	1.00	1.00	1.00	1.00
Job strain	1.69 (1.63-1.76)	0.59 (0.57-0.62)	1.55 (1.31-1.84)	0.92 (0.77-1.09)
GAZEL (France)				
No job strain	1.00	1.00	1.00	1.00
Job strain	1.53 (1.47-1.58)	0.65 (0.63-0.68)	1.16 (0.93-1.45)	0.76 (0.61-0.95)
SLOSH (Sweden)				
No job strain	1.00	1.00	1.00	1.00
Job strain	1.48 (1.32-1.67)	0.67 (0.60-0.76)	2.13 (1.04-4.38)	1.44 (0.70-2.96)
WHII (UK)				
No job strain	1.00	1.00	1.00	1.00
Job strain	1.42 (1.33-1.51)	0.71 (0.66-0.75)	1.14 (0.98-1.34)	0.81 (0.69-0.95)

eTable 3. Cohort specific odds ratios for self-reported health transitions from multinomial logistic models.

*adjusted for age, sex and occupational position.

	Healthy to Unhealthy	Healthy to Death	Unhealthy to Death
	OR (95% CI)*	OR (95% CI)*	OR (95% CI)*
FPS (Finland)			
No job strain	1.00	1.00	1.00
Job strain	1.22 (1.18-1.27)	1.16 (0.99-1.35)	0.95 (0.81-1.11)
GAZEL (France)			
No job strain	1.00	1.00	1.00
Job strain	1.15 (1.12-1.19)	1.14 (0.91-1.42)	0.99 (0.79-1.24)
SLOSH (Sweden)			
No job strain	1.00	1.00	1.00
Job strain	1.24 (1.11-1.39)	2.18 (1.06-4.49)	1.76 (0.86-3.61)
WHII (UK)			
No job strain	1.00	1.00	1.00
Job strain	1.15 (1.09-1.21)	1.15 (0.98-1.34)	1.00 (0.85-1.17)

eTable 4. Cohort specific odds ratios for chronic disease transitions from multinomial logistic models.

*adjusted for age, sex and occupational position.

eTable 5. Combined partial life expectancy, healthy life expectancy (HLE) and proportion of life spent in good health between the ages of 50 and 75 by job strain and sex

	Life expectancy (95% CI)	Healthy life expectancy (95% CI)	Unhealthy life expectancy (95% CI)	Proportion of life spent in good health (%)
Men				
No job strain	24.5 (24.4-24.6)	19.4 (19.2-19.6)	5.1 (5.0-5.3)	78.9 (78.2-79.7)
Job strain	24.1 (23.8-24.4)	17.4 (17.0-17.8)	6.7 (6.4-7.0)	72.0 (70.6-73.4)
Women				
No job strain	25.0 (24.9-25.1)	19.7 (19.5-19.9)	5.3 (5.2-5.5)	78.6 (78.0-79.2)
Job strain	24.9 (24.8-25.1)	18.1 (17.9-18.4)	6.8 (6.6-7.1)	72.6 (71.6-73.7)

	Life expectancy (95% CI)	Chronic disease-free life expectancy (95% CI)	Unhealthy life expectancy (95% CI)	Proportion of life spent free from chronic disease (%)
Men				
No job strain	24.5 (24.4-24.6)	13.6 (13.4-13.9)	10.9 (10.7-11.1)	55.6 (54.7-56.5)
Job strain	24.3 (24.2-24.5)	12.0 (11.5-12.5)	12.3 (11.8-12.8)	49.4 (47.3-51.6)
Women				
No job strain	25.0 (24.9-25.1)	14.6 (14.4-14.9)	10.4 (10.1-10.6)	58.5 (57.5-59.5)
Job strain	24.9 (24.8-25.0)	13.8 (13.2-14.4)	11.1 (10.5-11.7)	55.4 (52.8-58.0)

eTable 6. Combined partial life expectancy, chronic-disease free life expectancy (CDFLE) and proportion of life spent free of chronic disease between the ages of 50 and 75 by job strain and sex, among all individuals with data on chronic disease

eTable 7. Combined partial life expectancy, chronic disease-free life expectancy and proportion of life spent without chronic disease between the ages of 50 and 75 by job strain and sex, among people without chronic disease at baseline

	Life expectancy (95% CI)	Chronic disease- free life expectancy (95% CI)	Life expectancy with chronic disease (95% CI)	Proportion of life spent free from chronic disease (%)
Men				
No job strain	24.6 (24.5-24.7)	17.4 (17.2-17.6)	7.2 (7.0-7.4)	70.6 (69.9-71.4)
Job strain	24.4 (24.2-24.6)	16.6 (16.2-16.9)	7.8 (7.5-8.2)	68.0 (66.5-69.5)
Women				
No job strain	25.1 (25.0-25.1)	18.6 (18.4-18.8)	6.5 (6.3-6.6)	74.3 (73.5-75.0)
Job strain	25.0 (24.9-25.1)	18.0 (17.7-18.3)	7.1 (6.7-7.4)	71.8 (70.5-73.2)

	Life expectancy (95% CI)	Healthy life expectancy (95%CI)	Unhealthy life expectancy (95%CI)	Proportion of life spent in good health (%)
Men				
High grade				
No job strain	25.0 (24.9-25.1)	17.9 (17.5-18.2)	7.2 (6.8-7.5)	71.4 (70.0-72.8)
Job strain	24.9 (24.7-25.1)	16.9 (16.3-17.5)	8.0 (7.4-8.6)	68.0 (65.5-70.4)
Middle grade				
No job strain	24.7 (24.5-24.8)	17.5 (17.2-17.8)	7.1 (6.8-7.5)	71.0 (69.9-72.2)
Job strain	24.4 (24.1-24.8)	16.7 (16.2-17.3)	7.7 (7.1-8.2)	68.5 (66.1-70.9)
Low grade				
No job strain	24.2 (24.0-24.3)	16.8 (16.4-17.1)	7.4 (7.0-7.8)	69.4 (68.0-70.8)
Job strain	23.9 (23.6-24.2)	16.1 (15.6-16.7)	7.8 (7.2-8.3)	67.6 (64.8-70.3)
Women				
High grade				
No job strain	25.3 (25.2-25.4)	19.0 (18.6-19.3)	6.4 (6.0-6.7)	74.9 (73.4-76.4)
Job strain	25.4 (25.1-25.6)	18.4 (17.7-19.1)	7.0 (6.3-7.6)	72.6 (69.5-75.6)
Middle grade				
No job strain	25.1 (25.0-25.2)	18.8 (18.5-19.0)	6.3 (6.1-6.6)	74.7 (73.5-75.9)
Job strain	24.9 (24.7-25.1)	18.0 (17.6-18.4)	6.9 (6.5-7.3)	72.3 (70.4-74.1)
Low grade				
No job strain	24.8 (24.6-24.9)	18.1 (17.8-18.5)	6.7 (6.3-7.0)	73.1 (71.9-74.4)
Job strain	24.8 (24.6-25.0)	17.5 (17.0-18.0)	7.3 (6.8-7.7)	70.6 (68.7-72.6)

eTable 8. Combined partial life expectancy, chronic disease-free life expectancy (CDFLE) and proportion of life spent without chronic health conditions between the ages of 50 and 75 by occupational position and job strain for men and women without chronic health disease at baseline.

	Life expectancy	Healthy life expectancy	Unhealthy life expectancy	Proportion of life spent in good health
	(95% CI)	(95%CI)	(95%CI)	(%)
FPS (Finland)				
High grade				
No job strain	24.7 (24.4-24.9)	19.2 (18.7-19.8)	5.4 (5.0-5.9)	78.0
Job strain	24.4 (23.9-24.9)	16.6 (15.6-17.6)	7.8 (6.9-8.7)	67.9
Middle grade				
No job strain	24.1 (23.7-24.6)	16.4 (15.7-17.0)	7.8 (7.2-8.4)	67.8
Job strain	24.1 (23.5-24.6)	14.0 (13.1-14.9)	10.1 (9.2-10.9)	58.2
Low grade				
No job strain	23.8 (23.3-24.3)	13.3 (12.5-14.1)	10.4 (9.7-11.2)	56.1
Job strain	23.6 (23.0-24.2)	10.1 (9.3-10.9)	13.5 (12.6-14.3)	42.9
GAZEL (France)				
High grade				
No job strain	24.9 (24.7-25.0)	21.9 (21.6-22.2)	3.0 (2.8-3.2)	88.0
Job strain	24.8 (24.4-25.2)	20.5 (20.0-21.1)	4.3 (3.8-4.7)	82.9
Middle grade				
No job strain	24.6 (24.4-24.7)	21.0 (20.8-21.3)	3.5 (3.3-3.7)	85.7
Job strain	24.4 (24.1-24.8)	19.4 (18.9-19.9)	5.1 (4.7-5.5)	79.3
Low grade				
No job strain	24.1 (23.7-24.5)	19.6 (19.0-20.1)	4.6 (4.2-4.9)	81.1
Job strain	24.2 (23.6-24.7)	17.6 (16.9-18.3)	6.5 (6.0-7.1)	72.9
SLOSH (Sweden)				
High grade				
No job strain	25.1 (24.3-25.8)	19.8 (18.6-21.0)	5.2 (4.2-6.3)	79.1
Job strain	23.9 (21.6-26.2)	18.2 (15.7-20.7)	5.7 (4.0-7.4)	76.1
Middle grade				
No job strain	24.7 (24.1-25.3)	20.5 (19.6-21.5)	4.2 (3.4-4.9)	83.1
Job strain	23.6 (21.6-25.7)	18.3 (16.1-20.6)	5.3 (3.8-6.8)	77.6
Low grade				
No job strain	25.3 (24.7-25.8)	18.8 (17.8-19.8)	6.5 (5.6-7.4)	74.4
Job strain	24.5 (23.5-25.4)	16.6 (14.8-18.4)	7.8 (6.3-9.4)	67.9
Whitehall II (UK)				
High grade				
No job strain	24.9 (24.7-25.0)	22.5 (22.2-22.7)	2.4 (2.2-2.6)	90.4
Job strain	24.8 (24.5-25.1)	21.6 (21.0-22.3)	3.2 (2.6-3.8)	87.2
Middle grade				
No job strain	24.4 (24.3-24.6)	21.0 (20.7-21.3)	3.4 (3.2-3.6)	86.1
Job strain	24.4 (24.1-24.7)	20.1 (19.5-20.6)	4.3 (3.8-4.9)	82.3
Low grade				
No job strain	23.6 (23.2-24.0)	18.2 (17.5-19.0)	5.4 (4.8-5.9)	77.3
Job strain	23.1 (22.5-23.7)	15.9 (14.6-17.2)	7.2 (6.0-8.4)	68.7

eTable 9a. Partial life expectancy, healthy life expectancy (HLE) and proportion of life spent in
good health between the ages of 50 and 75 by occupational position and job strain for men.

	Partial life expectancy between the ages of 50 and 75					
	Life expectancy (95% CI)	Healthy life expectancy (95%CI)	Unhealthy life expectancy (95%CI)	Proportion of life spent in good health		
	(95% CI)		(95/601)	(%)		
FPS (Finland)						
High grade	25 2 (25 0 25 2)	10.5(10.1,10.8)	57(5461)	77.3		
No job strain	25.2 (25.0-25.3)	19.5 (19.1-19.8)	5.7 (5.4-6.1)			
Job strain	25.1 (24.8-25.3)	17.1 (16.4-17.7)	8.0 (7.4-8.6)	68.1		
Middle grade	25.0 (24.0.25.2)	17 4 (17 1 17 0)	T((7,2,7,0))	(0)(
No job strain	25.0 (24.9-25.2)	17.4 (17.1-17.8)	7.6 (7.3-7.9)	69.6		
Job strain	24.9 (24.7-25.1)	15.2 (14.8-15.6)	9.7 (9.4-10.1)	60.9		
Low grade		12.8 (12.0.14.5)	10.0 (10.2, 11.7)	<i></i>		
No job strain	24.7 (24.4-25.0)	13.8 (13.0-14.5)	10.9 (10.2-11.7)	55.7		
Job strain	24.7 (24.4-24.9)	11.4 (10.8-12.0)	13.3 (12.7-13.8)	46.2		
GAZEL (France)						
High grade	25 1 (24 0 25 4)		25(2120)	9()		
No job strain	25.1 (24.9-25.4)	21.7 (21.3-22.1)	3.5 (3.1-3.8)	86.3		
Job strain	25.1 (24.6-25.7)	20.8 (19.9-21.7)	4.3 (3.5-5.1)	82.9		
Middle grade						
No job strain	25.0 (24.8-25.2)	21.0 (20.7-21.4)	4.0 (3.7-4.2)	84.1		
Job strain	25.0 (24.7-25.3)	19.5 (19.0-20.0)	5.5 (5.1-6.0)	77.9		
Low grade				5 0 5		
No job strain	24.7 (24.3-25.0)	19.7 (19.2-20.2)	5.0 (4.6-5.4)	79.7		
Job strain	24.7 (24.3-25.0)	17.6 (16.9-18.2)	7.1 (6.5-7.6)	71.3		
SLOSH (Sweden)						
High grade						
No job strain	25.6 (25.3-26.0)	20.7 (19.7-21.7)	4.9 (4.0-5.9)	80.7		
Job strain	25.2 (24.5-26.0)	19.8 (18.3-21.3)	5.4 (4.1-6.8)	78.4		
Middle grade						
No job strain	25.5 (25.2-25.8)	21.6 (21.0-22.2)	3.9 (3.3-4.5)	84.7		
Job strain	25.1 (24.4-25.7)	20.3 (19.1-21.4)	4.8 (3.8-5.8)	80.9		
Low grade				- / .		
No job strain	25.7 (25.4-26.0)	19.5 (18.5-20.5)	6.2 (5.2-7.1)	76.0		
Job strain	25.4 (24.9-25.9)	18.3 (16.9-19.8)	7.1 (5.8-8.4)	72.2		
Whitehall II (UK)						
High grade						
No job strain	25.1 (24.9-25.3)	22.5 (22.1-23.0)	2.5 (2.2-2.9)	89.8		
Job strain	25.3 (24.9-25.6)	22.1 (21.1-23.1)	3.1 (2.2-4.1)	87.5		
Middle grade						
No job strain	24.7 (24.5-24.9)	20.9 (20.5-21.4)	3.8 (3.4-4.1)	84.7		
Job strain	24.8 (24.5-25.1)	19.5 (18.6-20.3)	5.3 (4.5-6.1) 78.6			
Low grade						
No job strain	23.9 (23.7-24.2)	17.9 (17.4-18.4)	6.1 (5.6-6.6)	74.6		
Job strain	24.2 (23.7-24.6)	16.1 (15.1-17.1)	8.1 (7.1-9.0)	66.6		

eTable 9b. Partial life expectancy, healthy life expectancy (HLE) and proportion of life spent in good health between the ages of 50 and 75 by occupational position and job strain for *women*.

	Life expectancy	Chronic disease-free life expectancy	Life expectancy with chronic disease	Proportion of life spent without chronic disease	
	(95% CI)	(95%CI)	(95%CI)	(%)	
FPS (Finland)					
High grade					
No job strain	24.5 (24.1-24.7)	14.7 (13.9-15.0)	9.7 (9.4-10.6)	60.2	
Job strain	24.4 (23.9-24.8)	13.3 (11.6-14.6)	11.1 (9.7-12.7)	54.4	
Middle grade					
No job strain	24.1 (23.6-24.3)	13.3 (12.4-13.9)	10.9 (10.1-11.5)	55.0	
Job strain	24.1 (23.2-24.5)	11.2 (9.5-13.0)	13.0 (10.9-14.4)	46.3	
Low grade					
No job strain	23.5 (23.0-23.8)	12.7 (12.0-13.1)	10.8 (10.3-11.5)	54.0	
Job strain	23.1 (22.6-23.9)	9.9 (9.2-11.2)	13.2 (12.0-14.3)	42.9	
GAZEL (France)					
High grade					
No job strain	24.8 (24.7-25.0)	15.3 (14.9-15.7)	9.5 (9.1-10.0)	61.7	
Job strain	24.8 (24.4-25.1)	14.1 (13.0-15.8)	10.6 (9.0-11.8)	57.1	
Middle grade					
No job strain	24.5 (24.4-24.7)	14.5 (14.2-14.8)	10.0 (9.7-10.4)	59.1	
Job strain	24.5 (24.1-24.8)	14.3 (13.2-14.8)	10.2 (9.7-11.4)	58.5	
Low grade					
No job strain	24.0 (23.7-24.4)	13.4 (12.8-14.3)	10.6 (9.9-11.4)	55.9	
Job strain	24.1 (23.6-24.6)	13.7 (12.3-14.7)	10.4 (9.4-11.9)	56.7	
SLOSH (Sweden)					
High grade					
No job strain	25.7 (25.4-25.9)	13.9 (12.7-15.3)	11.7 (10.3-12.9)	54.3	
Job strain	25.5 (24.6-25.9)	9.6 (6.5-12.4)	15.9 (13.3-19.2)	37.6	
Middle grade					
No job strain	25.2 (24.8-25.5)	13.5 (12.4-14.9)	11.6 (10.4-12.8)	53.8	
Job strain	24.3 (23.2-25.4)	11.7 (9.7-13.9)	12.5 (10.7-14.8)	48.4	
Low grade					
No job strain	job strain 25.4 (25.0-25.7) 12.8 (11.7-13.9) 12.6 (11.5-1		12.6 (11.5-13.8)	50.4	
Job strain	24.7 (24.1-25.5)	11.3 (9.8-13.1)	13.4 (11.9-15.0)	45.7	
Whitehall II (UK)					
High grade					
<i>No job strain</i> 24.8 (24.7-25.0)		13.2 (12.6-13.5)	11.7 (11.3-12.2)	53.1	
Job strain	24.7 (24.6-25.1)	12.6 (10.9-13.6)	12.1 (11.2-13.9)	51.0	
Middle grade					
No job strain	24.4 (24.2-24.5)	12.9 (12.5-13.4)	11.5 (11.0-12.0)	53.0	
Job strain	24.4 (24.1-24.7)	12.3 (11.5-13.3)	12.1 (11.1-12.9)	50.5	
Low grade					
No job strain	23.4 (23.0-23.8)	13.3 (12.3-14.1)	10.1 (9.4-11.2)	56.7	
Job strain	23.3 (22.6-24.1)	10.3 (7.4-12.0)	13.0 (11.6-16.1)	44.3	

eTable 10a. Partial life expectancy, chronic disease-free life expectancy (CDFLE) and proportion of life spent without chronic health conditions between the ages of 50 and 75 by occupational position and job strain for men with data on chronic disease

	Life expectancy	Chronic disease-free life	Life expectancy with	Proportion of life spent	
	(95% CI)	expectancy (95%CI)	chronic disease (95%CI)	without chronic disease (%)	
FPS (Finland)					
High grade					
No job strain	25.1 (25.0-25.3)	14.9 (14.6-15.4)	10.2 (9.8-10.6)	59.3	
Job strain	25.2 (24.8-25.3)	14.5 (13.1-15.4)	10.7 (9.7-12.0)	57.5	
Middle grade					
No job strain	24.9 (24.8-25.0)	15.0 (14.7-15.3)	9.9 (9.6-10.3)	60.2	
Job strain	24.8 (24.7-25.1)	13.8 (13.2-14.3)	11.0 (10.5-11.6)	55.8	
Low grade					
No job strain	24.6 (24.4-24.8)	14.0 (13.4-14.4)	10.6 (10.1-11.2)	56.9	
Job strain	24.6 (24.2-24.8)	12.9 (12.2-13.7)	11.7 (10.8-12.3)	52.4	
GAZEL (France)					
High grade					
No job strain	25.2 (24.9-25.4)	15.0 (14.1-16.3)	10.2 (9.0-11.1)	59.6	
Job strain	25.1 (24.6-25.7)	16.7 (11.3-19.4)	8.4 (6.0-13.7)	66.5	
Middle grade					
No job strain	25.0 (24.8-25.2)	15.3 (14.7-15.9)	9.7 (9.2-10.3)	61.0	
Job strain	25.0 (24.6-25.2)	14.6 (13.4-15.4)	10.4(9.6-11.6)	58.3	
Low grade					
No job strain	24.8 (24.3-25.0)	14.7 (14.1-16.1)	10.1 (8.7-10.6)	59.4	
Job strain	24.8 (24.2-25.0)	13.1 (12.1-14.3)	11.6 (10.2-12.6)	53.0	
SLOSH (Sweden)					
High grade					
No job strain	25.8 (25.6-25.9)	15.5 (14.2-17.0)	10.3 (8.8-11.6)	60.1	
Job strain	25.7 (25.1-26.0)	13.4 (10.3-16.8)	12.2 (8.7-15.2)	52.3	
Middle grade					
No job strain	25.5 (25.3-25.7)	15.9 (14.6-16.9)	9.6 (8.7-10.7)	62.2	
Job strain	24.8 (24.1-25.5)	13.8 (12.3-15.5)	11.0 (9.5-12.8)	55.6	
Low grade					
No job strain	25.6 (25.2-25.8)	14.3 (13.4-15.7)	11.3 (9.9-12.1)	55.8	
Job strain	25.3 (24.5-25.6)	13.7 (12.2-15.0)	11.6 (10.2-13.0)	54.1	
Whitehall II (UK)					
High grade					
No job strain	25.0 (24.8-25.2)	12.6 (11.2-13.6)	12.4 (11.4-13.9)	50.4	
Job strain	25.1 (24.6-25.5)	13.2 (9.5-15.7)	11.9 (9.5-15.5)	52.5	
Middle grade					
No job strain	24.7 (24.5-24.9)	14.0 (13.3-14.9)	10.6 (9.8-11.4)	57.0	
Job strain	24.7 (24.4-25.0)	12.8 (11.7-14.3)	11.9 (10.4-12.9)	52.0	
Low grade					
No job strain	24.0 (23.7-24.2)	14.4 (13.7-15.0)	9.6 (9.0-10.3)	60.1	
Job strain	24.0 (23.6-24.4)	13.2 (11.9-14.6)	10.8 (9.5-12.0)	55.0	

eTable 10b. Partial life expectancy, chronic disease-free expectancy (CDFLE) and proportion of life spent without chronic health conditions between the ages of 50 and 75 by occupational position and job strain for women with data on chronic disease.

	Life expectancy	Chronic disease-free life expectancy	Life expectancy with chronic disease	Proportion of life spent without chronic disease	
	(95% CI)	(95%CI)	(95%CI)	(%)	
FPS (Finland)					
High grade					
No job strain	24.6 (24.3-24.8)	18.0 (17.5-18.5)	6.6 (6.1-7.1)	73.3	
Job strain	24.4 (23.9-24.9)	17.5 (16.3-18.6)	6.9 (5.8-8.0)	71.7	
Middle grade					
No job strain	24.2 (23.9-24.6)	17.6 (17.0-18.2)	6.7 (6.1-7.2)	72.5	
Job strain	24.2 (23.5-24.9)	16.7 (15.5-17.9)	7.4 (6.3-8.6)	69.2	
Low grade					
No job strain	23.5 (23.2-23.9)	16.0 (15.4-16.5)	7.6 (7.0-8.1)	67.9	
Job strain	23.0 (22.4-23.7)	15.4 (14.5-16.2)	7.7 (6.8-8.5)	66.6	
GAZEL (France)					
High grade					
No job strain	25.0 (24.8-25.1)	18.6 (18.2-19.1)	6.3 (5.9-6.7)	74.7	
Job strain	24.9 (24.5-25.3)	18.2 (17.4-19.1)	6.6 (5.8-7.4)	73.3	
Middle grade					
No job strain	24.7 (24.6-24.9)	18.3 (18.0-18.6)	6.4 (6.1-6.7)	74.1	
Job strain	24.7 (24.4-25.0)	18.2 (17.6 -18.9)	6.5 (5.8-7.1)	73.7	
Low grade					
No job strain	24.3 (23.9-24.6)	17.6 (16.9-18.3)	6.7 (6.0-7.3)	72.5	
Job strain	24.3 (23.8-24.8)	17.7 (16.8-18.5)	6.6 (5.7-7.5)	72.7	
SLOSH (Sweden)					
High grade					
No job strain	25.6 (25.3-25.9)	17.1 (16.0-18.2)	8.5 (7.3-9.6)	66.7	
Job strain	25.6 (24.7-25.9)	15.0 (13.3-16.9)	10.6 (8.5-12.1)	58.6	
Middle grade					
No job strain	25.2 (24.7-25.5)	16.8 (15.8-17.9)	8.4 (7.3-9.2)	66.7	
Job strain	24.4 (23.3-25.4)	15.1 (13.3-16.6)	9.3 (7.9-11.0)	61.8	
Low grade					
No job strain	25.3 (24.9-25.7)	16.5 (15.5-17.6)	8.8 (7.7-9.8)	65.2	
Job strain	24.7 (24.1-25.5)	14.5 (13.3-16.1)	10.2 (8.8-11.6)	58.6	
Whitehall II (UK)					
High grade					
No job strain	24.9 (24.8-25.1)	17.7 (17.2-18.1)	7.2 (6.8-7.7)	70.9	
Job strain	24.7 (24.5-25.0)	16.9 (16.0-17.8)	7.8 (7.0-8.7)	68.3	
Middle grade					
No job strain	24.5 (24.3-24.6)	17.4 (17.0-17.7)	7.1 (6.8-7.5)	70.9	
Job strain	24.4 (24.2-24.7)	16.9 (16.1-17.7)	7.5 (6.8-8.3)	69.1	
Low grade					
No job strain	23.5 (23.1-23.9)	17.0 (16.3-17.7)	6.5 (5.9-7.2)	72.2	
Job strain	23.5 (22.7-24.3)	17.0 (15.7-18.3)	6.5 (5.2-7.8)	72.3	

eTable 11a. Partial life expectancy, chronic disease-free life expectancy (CDFLE) and proportion of life spent without chronic health conditions between the ages of 50 and 75 by occupational position and job strain for men without chronic health conditions at baseline.

~ ~	Life expectancy	thout chronic health Chronic disease-free life	Life expectancy with chronic disease	Proportion of life spent	
	(95% CI)	expectancy (95%CI)	(95%CI)	without chronic disease (%)	
FPS (Finland)					
High grade					
No job strain	25.1 (25.0-25.2)	19.2 (18.9-19.5)	5.9 (5.6-6.2)	76.5	
Job strain	25.2 (24.9-25.4)	18.9 (18.2-19.7)	6.3 (5.5-7.0)	75.1	
Middle grade					
No job strain	24.9 (24.8-25.0)	19.0 (18.7-19.2)	5.9 (5.7-6.2)	76.1	
Job strain	24.8 (24.5-25.0)	18.3 (17.8-18.8)	6.5 (6.0-6.9)	73.9	
Low grade					
No job strain	24.5 (24.3-24.8)	17.7 (17.3-18.2)	6.8 (6.4-7.3)	72.3	
Job strain	24.6 (24.3-24.9)	17.1 (16.5-17.8)	7.5 (6.8-8.1)	69.7	
GAZEL (France)					
High grade					
No job strain	25.3 (24.7-25.9)	19.8 (18.1-21.4)	5.5 (3.9-7.1)	78.1	
Job strain	25.4 (25.2-25.6)	19.7 (19.0-20.4)	5.7 (5.0-6.4)	77.6	
Middle grade					
No job strain	25.1 (24.8-25.4)	19.2 (18.4-19.9)	5.9 (5.2-6.6)	76.5	
Job strain	25.2 (25.0-25.4)	19.2 (18.6-19.7)	6.0 (5.5-6.5)	76.1	
Low grade					
No job strain	25.1 (24.7-25.5)	18.6 (17.7-19.5)	6.5 (5.6-7.3)	74.3	
Job strain	24.9 (24.6-25.2)	18.4 (17.7-19.2)	6.5 (5.8-7.2)	74.0	
SLOSH (Sweden)					
High grade					
No job strain	25.7 (25.5-25.9)	19.1 (18.1-20.2)	6.6 (5.5-7.7)	74.3	
Job strain	25.6 (25.1-26.0)	17.6 (15.8-19.0)	8.1 (6.5-9.8)	68.5	
Middle grade					
No job strain	25.5 (25.3-25.7)	19.0 (18.1-19.7)	6.5 (5.6-7.5)	74.5	
Job strain	25.0 (24.4-25.5)	17.3 (16.1-18.5)	7.7 (6.5-9.1)	69.2	
Low grade					
No job strain	25.6 (25.3-25.8)	18.6 (17.8-19.6)	7.0 (6.0-7.8)	72.6	
Job strain	25.4 (24.8-25.6)	17.1 (15.7-18.1)	8.3 (7.2-9.5)	67.4	
Whitehall II (UK)					
High grade					
No job strain	25.1 (24.9-25.3)	17.8 (17.1-18.5)	7.3 (6.5-8.0)	71.0	
Job strain	25.4 (25.0-25.8)	17.4 (15.9-18.8)	8.0 (6.7-9.3)	68.5	
Middle grade					
No job strain	24.8 (24.6-25.0)	17.9 (17.3-18.4)	6.9 (6.4-7.5)	72.1	
Job strain	24.8 (24.5-25.1)	17.2 (16.4-18.0)	7.6 (6.8-8.4)	69.4	
Low grade					
No job strain	24.1 (23.8-24.3)	17.7 (17.1-18.3)	6.3 (5.8-6.9)	73.6	
Job strain	24.1 (23.7-24.6)	17.2 (16.2-18.2)	6.9 (6.0-7.9)	71.2	

eTable 11b. Partial life expectancy, chronic disease-free life expectancy (CDFLE) and proportion of life spent without chronic health conditions between the ages of 50 and 75 by occupational position and job strain for women without chronic health conditions at baseline.

	Men		Women	
	n	Healthy life expectancy (95% CI) ^a	n	Healthy life expectancy (95% CI) ^a
All	11 540		18 594	
Low strain	7 492	19.8 (19.6-20.0)	11 018	20.0 (19.8-20.3)
Job strain	4 048	17.3 (16.9-17.6)	7 576	17.6 (17.3-17.9)
High grade				
Low strain	2 560	21.5 (21.2-21.8)	1 591	21.6 (21.2-21.9)
Job strain	1 448	19.2 (18.6-19.7)	2 553	19.5 (18.9-20.1)
Middle grade				
Low strain	3 487	19.9 (19.6-20.3)	6 648	20.3 (20.0-20.6)
Job strain	1 629	17.7 (17.2-18.2)	3 785	17.9 (17.5-18.3)
Low grade				
Low strain	1 445	18.0 (17.5-18.5)	2 779	18.3 (17.8-18.7)
Job strain	971	15.0 (14.4-15.6)	1 238	15.3 (14.8-15.8)

eTable 12. Healthy life expectancy (HLE) between the ages of 50 and 75 by job strain, sex and occupational position

^a estimated life years spent in good self-rated health between ages of 50 and 75

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people without chronic disease at baseline, by job strain, sex and occupational position	
eTable 13. Chronic disease-free life expectancy (CDFLE) between the ages of 50 and 75 amo	ng

	Men			Women
	n	Chronic disease-free life expectancy (95% CI) ^a	n	Chronic disease-free life expectancy (95% CI) ^a
All	11 519		18 552	
Low strain	7 481	13.6 (13.4-13.9)	11 013	14.6 (14.4-14.9)
Job strain	4 038	12.0 (11.5-12.5)	7 539	13.8 (13.2-14.4)
High grade				
Low strain	2 562	16.5 (16.0-17.0)	1 590	16.9 (16.3-17.5)
Job strain	1 448	15.4 (14.7-16.2)	2 551	15.9 (15.2-16.7)
Middle grade				
Low strain	3 483	16.3 (15.8-16.8)	6 643	16.7 (16.2-17.2)
Job strain	1 628	15.3 (14.7-15.9)	3 774	15.8 (15.3-16.4)
Low grade				
Low strain	1 436	15.4 (14.7-16.1)	2 780	15.9 (15.2-16.6)
Job strain	962	14.2 (13.4-14.9)	1 214	14.9 (14.3-15.6)

^a estimated life years spent free of chronic disease between ages of 50 and 75