Study ID	Study design,	Measurement of	Health-related	Covariates	Results	Quality
	population & setting	control	outcome(s)	explored or adjusted for		assessment
Bosma et al 2005	Prospective cohort study (5 years follow-up.) Netherlands, Groningen Longitudinal Aging Study: N = 3888, adults aged 57+, without heart disease at baseline.	Composite control beliefs measure: general self-efficacy (defined as the extent to which people believe they can perform a certain behaviour measured with Sherer's General Self-Efficacy Scale) and mastery (measured using Pearlin and Schooler's Mastery Scale (Pearlin and Schooler, 1978.))	Congestive heart failure (CHF): diagnosed if three of the following conditions were present (code K77 of ICPC) (Lambers & Wood, 1987). Acute MI: diagnosed if two of three conditions were present (code K75 of the International Classification of Primary Care (ICPC) scheme) (Lambers & Wood, 1987).	Education, Occupation, income level, classical coronary risk factors.	Low control beliefs and low SES were both independently associated with a higher rate of heart disease (CHF & MI). Low control beliefs were also more common in the low SES group (47% vs 24%). Seven per cent of increased rate of heart disease for lower SES groups was explained by classical coronary risk factors. An additional 29 % of the difference was accounted for by control beliefs. Control beliefs were not strongly associated with classical coronary risk factors.	Selection 3* Comparability 2* Outcome 1*

Study ID	Study design,	Measurement of	Health-related	Covariates	Results	Quality
	population &	control	outcome(s)	explored or		assessment
	setting			adjusted for		
Chandola et	Prospective cohort	Single statement	Fatal coronary heart	Civil service	A larger proportion of women who	Selection 3*
al (2004)	study (8 years	about control at	disease (CHD):	grade,	developed CHD reported low	C
	follow-up.)	home 'At home, I	defined as having a	household	control at home compared to	Comparability 2*
		feel I have control	coronary	problems/fina	women without CHD (p = 0.00).	Outcome 2*
	UK, Whitehall II	over what	death if the	ncial	Both men (p = 0.08) and women	
	Study: N = 7470	happens in most	underlying cause had	difficulties,	(p= 0.01) from lower household	
	civil servants aged	situations' (as	an ICD-9 code 410–	gender, CHD	social positions were more likely to	
	35-55 (67% male).	Griffin et al 2002.)	414.	risk factors,	report low control at home	
				physical &	compared to those from higher	
			Non-fatal MI:	mental health.	social positions	
			defined as above.			
			Potential non-fatal			
			MI: ascertained by			
			questionnaire			
			items on previous			
			symptoms,			
			investigations,			
			diagnoses and			
			treatment.			
Griffin et al	Prospective cohort	Single statement	Two sub-scales of	Social class,	After adjusting for age, work grade,	Selection 3*
(2002)	study (5 year	about control at	the 30-item General	employment	and decision latitude, both women	
	follow-up.)	home 'at home, I	health Questionnaire	grade, age,	and men with low control at home	Comparability 2*
		feel I have control	(GHQ) for depression	work grade	had significantly higher odds of	

Study ID	Study design,	Measurement of	Health-related	Covariates	Results	Quality
	population &	control	outcome(s)	explored or		assessment
	setting			adjusted for		
	UK, Whitehall II	over what	(4 items) and anxiety	and decision	suffering from depression (women:	Outcome 2*
	Study: N = 7270	happens in most	(5 items).	latitude (at	OR=2.51, CI=1.77–3.56; Men:	
	civil servants aged	situations' - 6		work), gender.	OR=1.86, CI=1.52–2.28) and	
	35-55.	categories:			anxiety (Women: OR=1.75,	
		disagree strongly			CI=1.22–2.51; Men: OR=1.89,	
		to agree strongly.			CI=1.52–2.35) than those with high	
					control. Among women, low	
					control at home more than	
					doubled the risk for depression	
					(OR=2.55, CI=1.78–3.63) and	
					increased the risk of anxiety by	
					almost 70% (OR=1.69, CI=1.18-	
					2.43). For men, the odds for	
					depression (OR=1.92, CI=1.57-	
					2.36) and anxiety (OR=1.88,	
					CI=1.52–2.34) were also	
					significantly higher for those with	
					low control at home than for those	
					with high control at home.	
					Women in the lowest grade and	
					men in the middle and highest	
					grades had the highest odds for	
					anxiety disorders if they reported	
					low control at home (for women,	
					OR=2.55, CI=1.42–4.59; for men,	

Study ID	Study design,	Measurement of	Health-related	Covariates	Results	Quality
	population &	control	outcome(s)	explored or		assessment
	setting			adjusted for		
					middle grade, OR=1.86, CI=1.33–	
					2.58, and highest grade OR=2.17,	
					CI=1.60-2.94).	
Bosma et al	Prospective cohort	Perceived	Mortality:	Education,	People scoring 1 SD higher on the	Selection 3*
1999	study (6 years	control: 11-item	Information on all-	occupation,	perceived control scale (indicating	
	follow-up)	Dutch version of	cause mortality from	income level,	decreased control) had a 1.45	Comparability 2*
		Rotter's Locus of	municipal population	age, sex,	times higher mortality risk (95%	Outcome 1*
		Control scale.	registers.	health status	confidence interval 1.19 to 1.75).	
	Netherlands,				The average percentage of raised	
	random sample				mortality risk in the lowest	
	from GLOBE study:				socioeconomic groups that was	
	N = 2462 adults				accounted for by perceived low	
	aged 25-74 years.				control was 51% (range: 37-65.	
Ross & Wu	Prospective cohort	1. 2 x 2 index that	Self-rated health:	Sex, minority	Longitudinal analysis: A high sense	Selection 4*
1995	study (1 year	balances	respondent's	status, age,	of control over one's future health	
	follow-up and	statements	subjective	marital status,	significantly slowed the decline in	Comparability 0*
	cross-sectional	claiming or	assessment of his or	Educational	self-reported health over time.	Outcome 1*
	study.)	denying control	her general health	level, work and	Work and economic conditions,	
		over good or bad	(coded 1 = very poor,	economic	social-psychological resources	
	1. Cross-sectional	outcomes; 1. One	2 = poor, 3 =	conditions,	(including perceived control), and	
	data on national	question on	satisfactory, 4 =	social-	health lifestyle explained 43% of	
	sample of US	control over one's	good, 5 = very good).	psychological	the total effect of educational level	
	households, adult	future health.		resources,	on the change in health.	
	respondents		Physical functioning:	health		
	(N=2031).		index of seven –	lifestyle.	Cross-sectional analysis: A high	
	2. Data from		activity-related -		sense of personal control over	

Study ID	Study design, population & setting	Measurement of control	Health-related outcome(s)	Covariates explored or adjusted for	Results	Quality assessment
	national sample of US households, adult respondents, in 1979 (N=3025) and 1980 (N=2436).		items (coded 0 = a great deal of difficulty, 1 = some difficulty, and 2 = no difficulty).		one's life in general and one's health in particular were significantly associated with good self-reported health. The sense of control over one's life and one's future health were both significantly associated with good physical functioning.	
O'Brien 2012	Prospective cohort study (8 years follow-up.) USA, national probability sample from Midlife in United States: N = 3775 aged 24 – 75.	Control beliefs: Lachman & Weaver and Pearlin & Schooler scales (2 components: personal mastery and personal constraints.)	Chronic health: 28 items on serious health issues. Functional limitations: 9 items adapted from SF-36. Depressive symptoms: 6 items of a 5 point scale.	Education, social support, strain.	With high control, there were no significant increases in chronic illness, at all levels of education. Low education/low control groups had the greatest increases in chronic health issues.	Selection 3* Comparability 2* Outcome 1*

Notes

## Study order reflects that in the main text.

Study quality is judged on three broad perspectives: the selection of the study groups ('Selection'); the comparability of the groups ('Comparability") and the ascertainment of either the exposure or outcome of interest for case-control or cohort studies respectively ("Outcome"). A maximum of 4\* can be given for 'Selection', 2\* for 'Comparability and 3\* for 'Outcome'. The higher the star rating the higher the quality judgement.

Supplementary material