Appendix Table 1: Robustness check models

	1. Original	2. Exc. Med	3. Wave	4. Month
Housing tenure (ref. Owned with mortgage)				
Owned outright	0.02	0.03	0.02	0.02
	(0.03)	(0.04)	(0.03)	(0.03)
Social rent	0.08	0.05	0.07	0.08
	(0.05)	(0.05)	(0.05)	(0.05)
Private rent	0.10*	0.11*	0.10*	0.10*
	(0.05)	(0.05)	(0.05)	(0.05)
Housing payment burden (yes)	-0.14*	-0.17*	-0.14*	-0.14*
	(0.07)	(0.08)	(0.07)	(0.07)
Housing payment difficulties (yes)	0.00	0.03	-0.00	-0.00
	(0.05)	(0.06)	(0.05)	(0.05)
Housing benefit (yes)	-0.05	-0.02	-0.05	-0.05
	(0.05)	(0.06)	(0.05)	(0.05)
Central heating (no)	0.04	0.04	0.04	0.04
	(0.05)	(0.05)	(0.05)	(0.05)
Warm enough (no)	-0.04	-0.04	-0.04	-0.04
	(0.06)	(0.07)	(0.06)	(0.06)
Overcrowding (yes)	0.00	-0.01	0.00	0.01
	(0.05)	(0.05)	(0.05)	(0.05)
Dwelling type (ref. Detached)				
Semi detached	0.07*	0.07*	0.07*	0.06*
	(0.03)	(0.03)	(0.03)	(0.03)
Terrace	0.13***	0.15***	0.13***	0.13***
	(0.03)	(0.04)	(0.03)	(0.03)
Flat	0.18***	0.17**	0.18***	0.18***
	(0.05)	(0.05)	(0.05)	(0.05)
Other	0.16	0.23	0.17	0.17
	(0.17)	(0.23)	(0.17)	(0.17)
Prefer to stay	0.05*	0.04	0.05*	0.05*
	(0.03)	(0.03)	(0.03)	(0.03)
Expect to move	-0.06	-0.07	-0.06	-0.06
	(0.05)	(0.06)	(0.05)	(0.05)
Prefer to stay x expect to move	0.15	0.21	0.15	0.14
	(0.10)	(0.11)	(0.10)	(0.10)
Constant	-1.12***	-1.17***	-1.12***	-1.15***
	(0.09)	(0.10)	(0.09)	(0.10)
Observations	9,974	7,814	9,974	9,974
R-squared	0.20	0.22	0.20	0.20

Notes: All models include the following controls: demographic and socio-economic position controls – age, gender, cohabitation, ethnicity, region, employment status, highest educational qualification, income quartile (age standardised), subjective financial situation. Health and health behaviour controls – smoking status, body mass index (categorised), longstanding illness or disability..

Column 2 excludes all respondents taking statins or anti-inflammatories. Column 3 includes the wave in which the biomarker data was collected in addition to the above variables. Column 4 includes the month of biomarker collection in addition to the above variables.

Appendix Table 2: Robustness check models

	1. Original	2. Noise	3. Noise x Housing type
Dwelling type (ref. Detached)			
Semi detached	0.06*	0.07*	0.06*
	(0.03)	(0.03)	(0.03)
Terrace	0.13***	0.15***	0.14***
	(0.03)	(0.03)	(0.03)
Flat	0.18***	0.20***	0.22***
	(0.04)	(0.04)	(0.05)
Other	0.17	0.18	0.21
	(0.17)	(0.17)	(0.21)
Noise (yes)	-	-0.09**	-0.13
		(0.03)	(0.07)
Noise x semi detached	-	-	0.08
			(0.09)
Noise x terrace	-	-	0.03
			(0.09)
Noise x flat	-	-	-0.02
			(0.10)
Noise x other	-	-	-0.11
			(0.27)
Constant	-1.09***	-1.07***	-1.06***
	(0.09)	(0.09)	(0.09)
Observations	9,974	9,974	9,974
R-squared	0.20	0.20	0.20

Notes: All models include the following controls: demographic and socio-economic position controls – age, gender, cohabitation, ethnicity, region, employment status, highest educational qualification, income quartile (age standardised), subjective financial situation. Health and health behaviour controls – smoking status, body mass index (categorised), longstanding illness or disability.

Appendix Table 3: Full models with and without BMI and Smoking indicators

	1. Original	2. Without BMI and Smoking
Housing tenure (ref. Owned with mortgage)		
Owned outright	0.02	-0.01
	(0.03)	(0.04)
Social rent	0.08	0.14**
	(0.05)	(0.05)
Private rent	0.10*	0.12*
	(0.05)	(0.05)
Housing payment burden (yes)	-0.14*	-0.18*
	(0.07)	(0.07)
Housing payment difficulties (yes)	0.00	0.03
	(0.05)	(0.06)
Housing benefit (yes)	-0.05	-0.02
	(0.05)	(0.05)
Central heating (no)	0.04	0.02
	(0.05)	(0.05)
Warm enough (no)	-0.04	-0.01
	(0.06)	(0.06)
Overcrowding (yes)	0.00	0.03
	(0.05)	(0.06)
Dwelling type (ref. Detached)		
Semi detached	0.07*	0.10***
	(0.03)	(0.03)
Terrace	0.13***	0.16***
	(0.03)	(0.03)
Flat	0.18***	0.16***
	(0.05)	(0.05)
Other	0.16	0.19
	(0.17)	(0.17)
Prefer to stay	0.05*	0.04
	(0.03)	(0.03)
Expect to move	-0.06	-0.11
	(0.05)	(0.06)
Prefer to stay x expect to move	0.15	0.14
	(0.10)	(0.11)
Constant	-1.12***	-0.79***
	(0.09)	(0.10)
Observations	9,974	9,974
R-squared	0.20	0.07
Notes: Column 1 is Model 4 from Table 3, Column 2 reports the same analysis excluding BMI and smoking status.		