

Confirmatory factor analysis on our index of health biomarkers shows that not all variables load in a single factor nor is there a clear structure of several underlying factors, except for the two measurements of blood pressure loading similarly, while the Cronbach's alpha is 0.48. Since this illustrates that the several health biomarkers are not strongly related to each other, we present the following separate analyses on each of the biomarkers to further show how material class and subjective social status are associated with health outcomes.

S2 Table. Material Class and Subjective Social Status regressed on the separate health biomarkers with control variables

Systolic blood pressure (N: 3448)	1A	1B	1C	1D	1E
Constant	0.020 (0.01)***	0.015 (0.01)***	0.019 (0.01)***	0.036 (0.02)***	0.019 (0.01)***
Material Class					
Higher class (Ref.)	-	-	-	-	-
Middle class	1.016 (0.09)	0.983 (0.09)	0.987 (0.09)	0.740 (0.27)	
Working class	1.193 (0.12)*	1.115 (0.11)	1.131 (0.11)	1.181 (0.42)	
Gender					
Male (Ref.)	-	-	-	-	-
Female	0.745 (0.06)***	0.750 (0.06)***	0.749 (0.06)***	0.747 (0.06)**	0.743 (0.06)***
Education					
Lower education (Ref.)	-	-	-	-	-
Post-secondary education	0.780 (0.08)*	0.826 (0.09)	0.812 (0.09)*	0.824 (0.09)	0.811 (0.09)*
Marital Status					
Married (Ref.)	-	-	-	-	-
Not-married	1.111 (0.09)	1.075 (0.09)	1.087 (0.09)	1.075 (0.08)	1.083 (0.09)
Age	1.063 (0.00)***	1.063 (0.01)***	1.062 (0.01)***	1.063 (0.01)***	1.062 (0.01)***
Decreasing Subjective Status		1.007 (0.00)**		1.008 (0.00)*	
Subjective Status Groups					
Higher status (Ref.)			-		
Middle status			1.097 (0.10)		
Lower status			1.231 (0.11)*		
Material Class X Subjective Status					
Higher X Subj status (Ref.)				-	
Middle X Subj Status				0.995 (0.01)	
Working X Subj Status				1.001 (0.01)	
Class-Status Combinations					
Higher class-Higher status (Ref.)					-
Higher class-Middle status					1.051 (0.15)
Higher class-Lower status					1.452 (0.23)*
Middle class-Higher status					1.104 (0.15)
Middle class-Middle status					1.178 (0.17)
Middle class-Lower status					1.074 (0.14)
Working class-Higher status					1.036 (0.17)
Working class-Middle status					1.249 (0.20)

Working class-Lower status					1.507 (0.20)**
Karlson, Holm, Breen-Mediation Analysis					
% of Material social class mediated by Subjective social status					
Higher Class		-	-		
Middle Class		210.54%*	187.99%*		
Working Class		38.51%**	29.76%*		
Diastolic blood pressure (N:3448)	2A	2B	2C	2D	2E
Constant	0.024 (0.01)***	0.037 (0.01)***	0.023 (0.01)***	0.040 (0.02)***	0.023 (0.01)***
Material Class					
Higher class (Ref.)	-	-	-	-	-
Middle class	1.038 (0.09)	1.017 (0.09)	1.020 (0.09)	0.735 (0.27)	
Working class	1.280 (0.12)**	1.227 (0.12)*	1.235 (0.12)*	0.862 (0.30)	
Gender					
Male (Ref.)	-	-	-	-	-
Female	0.733 (0.05)***	0.738 (0.05)***	0.738 (0.05)***	0.733 (0.05)***	0.733 (0.05)***
Education					
Lower education (Ref.)	-	-	-	-	-
Post-secondary education	0.916 (0.10)	0.950 (0.10)	0.936 (0.10)	0.966 (0.11)	0.944 (0.10)
Marital Status					
Married (Ref.)	-	-	-	-	-
Not-married	1.215 (0.10)*	1.191 (0.09)*	1.197 (0.10)*	1.194 (0.10)*	1.194 (0.10)*
Age	1.049 (0.00)***	1.049 (0.00)***	1.049 (0.00)***	1.049 (0.00)***	1.049 (0.00)***
Decreasing Subjective Status		1.004 (0.00)		1.008 (0.00)	
Subjective Status Groups					
Higher status (Ref.)			-		
Middle status			1.010 (0.09)		
Lower status			1.144 (0.10)		
Material Class X Subjective Status					
Higher X Subj status (Ref.)				-	
Middle X Subj Status				0.995 (0.01)	
Working X Subj Status				0.994 (0.01)	
Class-Status Combinations					
Higher class-Higher status (Ref.)					-
Higher class-Middle status					0.946 (0.14)
Higher class-Lower status					1.442 (0.23)*
Middle class-Higher status					1.122 (0.15)
Middle class-Middle status					1.145 (0.16)
Middle class-Lower status					1.074 (0.15)
Working class-Higher status					1.249 (0.21)
Working class-Middle status					1.313 (0.21)
Working class-Lower status					1.464 (0.19)**
Karlson, Holm, Breen-Mediation Analysis					

% of Material social class mediated by Subjective social status Higher Class Middle Class Working Class		- 54.48% 17.05%	- 50.13% 13.75%		
Cholesterol (N: 2771)	3A	3B	3C	3E	3E
Constant	2.218 (0.90)*	2.474 (1.03)*	2.272 (0.92)*	2.417 (1.05)*	1.850 (0.80)
Material Class					
Higher class (Ref.)	-	-	-	-	
Middle class	0.963 (0.10)	0.978 (0.10)	0.983 (0.10)	0.961 (0.41)	
Working class	0.898 (0.10)	0.930 (0.11)	0.929 (0.11)	0.840 (0.34)	
Gender					
Male (Ref.)	-	-	-	-	-
Female	2.391 (0.21)***	2.387 (0.21)***	2.39 (0.21)***	2.386 (0.21)***	2.385 (0.21)***
Education					
Lower education (Ref.)	-	-	-	-	-
Post-secondary education	1.017 (0.12)	0.990 (0.12)	0.987 (0.12)	0.995 (0.12)	1.000 (0.12)
Marital Status					
Married (Ref.)	-	-	-	-	-
Not-married	0.833 (0.08) *	0.846 (0.08)	0.847 (0.07)	0.847 (0.07)	0.847 (0.08)
Age	0.975 (0.01)***	0.975 (0.01)***	0.976 (0.01)***	0.975 (0.01)***	0.975 (0.00)***
Decreasing Subjective Status		0.997 (0.00)		0.997 (0.00)	
Subjective Status Groups					
Higher status (Ref.)			-		
Middle status			0.877 (0.09)		
Lower status			0.878 (0.09)		
Material Class X Subjective Status					
Higher X Subj status (Ref.)				-	
Middle X Subj Status				1.000 (0.01)	
Working X Subj Status				1.002 (0.01)	
Class-Status Combinations					
Higher class-Higher status (Ref.)					-
Higher class-Middle status					1.024 (0.16)
Higher class-Lower status					0.968 (0.18)
Middle class-Higher status					1.098 (0.17)
Middle class-Middle status					0.844 (0.14)
Middle class-Lower status					0.936 (0.15)
Working class-Higher status					1.084 (0.21)
Working class-Middle status					0.858 (0.16)
Working class-Lower status					0.837 (0.13)
Karlson, Holm, Breen-Mediation Analysis					
% of Material social class mediated by Subjective social status Higher Class Middle Class Working Class		- 43.02% 32.48%	- 52.22% 34.07%		

Triglycerides (N: 2709)	4A	4B	4C	4D	4E
Constant	0.655 (0.37)	0.289 (0.18)*	0.384 (0.23)	0.230 (0.15)*	0.360 (0.22)
Material Class					
Higher class (Ref.)	-	-	-	-	-
Middle class	1.138 (0.17)	1.080 (0.16)	1.078 (0.16)	1.671 (0.67)	
Working class	1.017 (0.17)	0.914 (0.15)	0.922 (0.16)	1.283 (0.59)	
Gender					
Male (Ref.)	-	-	-	-	-
Female	0.798 (0.10)*	0.807 (0.10)	0.807 (0.10)	0.798 (0.10)	0.796 (0.10)
Education					
Lower education (Ref.)	-	-	-	-	-
Post-secondary education	0.635 (0.12)*	0.691 (0.13)	0.675 (0.13)*	0.710 (0.14)	1.341 (0.27)
Marital Status					
Married (Ref.)	-	-	-	-	-
Not-married	1.074 (0.14)	1.022 (0.14)	1.032 (0.14)	1.022 (0.14)	1.028 (0.14)
Cholesterol medication					
No (Ref.)	-	-	-	-	-
Yes	1.337 (0.27)	1.351 (0.27)	1.344 (0.27)	1.363 (0.27)	1.341 (0.27)
Age	0.986 (0.01)	0.985 (0.01)	0.985 (0.01)	0.985 (0.01)	0.985 (0.01)
Decreasing Subjective Status		1.010 (0.00)*		1.017 (0.01)*	
Subjective Status Groups					
Higher status (Ref.)			-		
Middle status			1.109 (0.18)		
Lower status			1.412 (0.21)*		
Material Class X Subjective Status					
Higher X Subj status (Ref.)				-	
Middle X Subj Status				0.989 (0.01)	
Working X Subj Status				0.992 (0.01)	
Class-Status Combinations					
Higher class-Higher status (Ref.)					-
Higher class-Middle status					1.019 (0.27)
Higher class-Lower status					2.072 (0.51)**
Middle class-Higher status					1.337 (0.31)
Middle class-Middle status					1.345 (0.32)
Middle class-Lower status					1.451 (0.33)
Working class-Higher status					0.948 (0.30)
Working class-Middle status					1.272 (0.35)
Working class-Lower status					1.359 (0.31)
Karlson, Holm, Breen-Mediation Analysis					
% of Material social class mediated by Subjective social status					
Higher Class		-	-		
Middle Class		38.16%*	41.58%		
Working Class		813.26%*	622.26%		
High sensitivity c-reactive protein (N: 2710)	5A	5B	5C	5D	5E

Constant	0.0 (0.04)***	0.124 (0.06)***	0.085 (0.04)***	0.062 (0.03)***	0.084 (0.04)***
Material Class					
Higher class (Ref.)	-	-	-	-	-
Middle class	1.207 (0.13)	1.177 (0.13)	1.182 (0.13)	1.647 (0.49)	
Working class	1.342 (0.16)*	1.271 (0.15)*	1.291 (0.16)*	1.574 (0.51)	
Gender					
Male (Ref.)	-	-	-	-	-
Female	1.197 (0.11)*	-1.204 (0.11)*	1.201 (0.11)*	1.194 (0.11)	1.198 (0.11)*
Education					
Lower education (Ref.)	-	-	-	-	-
Post-secondary education	0.641 (0.09)**	0.670 (0.10)**	0.658 (0.09)**	0.681 (0.10)**	0.667 (0.10)**
Marital Status					
Married (Ref.)	-	-	-	-	-
Not-married	1.154 (0.11)	1.125 (0.11)	1.137 (0.11)	1.125 (0.11)	1.133 (0.11)
Cholesterol medication					
No (Ref.)	-	-	-	-	-
Yes	0.970 (0.16)	0.976 (0.16)	0.974 (0.16)	0.982 (0.16)	0.667 (0.10)**
Age	1.018 (0.01)**	1.017 (0.01)**	1.017 (0.01)**	1.018 (0.01)**	1.017 (0.01)**
Decreasing Subjective Status		1.005 (0.00)		1.010 (0.01)*	
Subjective Status Groups					
Higher status (Ref.)			-		
Middle status			1.071 (0.12)		
Lower status			1.153 (0.13)		
Material Class X Subjective Status					
Higher X Subj status (Ref.)				-	
Middle X Subj Status				0.991 (0.01)	
Working X Subj Status				0.994 (0.01)	
Class-Status Combinations					
Higher class-Higher status (Ref.)					-
Higher class-Middle status					0.880 (0.17)
Higher class-Lower status					1.433 (0.28)
Middle class-Higher status					1.159 (0.20)
Middle class-Middle status					1.411 (0.24)*
Middle class-Lower status					1.262 (0.21)
Working class-Higher status					1.321 (0.28)
Working class-Middle status					1.452 (0.28)*
Working class-Lower status					1.443 (0.23)*
Karlson, Holm, Breen-Mediation Analysis					
% of Material social class mediated by Subjective social status					
Higher Class		-	-		
Middle Class		13.55%	11.32%		
Working Class		18.60%	13.30%		
HDL-cholesterol (N: 2709)	6A	6B	6C	6D	6E
Constant	0.158 (0.12) *	0.102 (0.08)	0.154 (0.12)*	0.076 (0.06)	0.141 (0.11)
Material Class					

Higher class (Ref.)	-	-	-	-	-
Middle class	1.277 (0.24)	1.164 (0.22)	1.192 (0.23)	2.329 (1.20)	
Working class	1.161 (0.25)	0.987 (0.22)	1.041 (0.23)	1.386 (0.86)	
Gender					
Male (Ref.)	-	-	-	-	-
Female	0.181 (0.03)***	0.183 (0.03)***	0.183 (0.03)***	0.181 (0.03)***	0.179 (0.03)***
Education					
Lower education (Ref.)	-	-	-	-	-
Post-secondary education	0.622 (0.15)*	0.708 (0.17)	0.667 (0.16)	0.734 (0.18)	0.691 (0.17)
Marital Status					
Married (Ref.)	-	-	-	-	-
Not-married	1.282 (0.22)	1.200 (0.21)	1.231 (0.21)	1.195 (0.21)	1.226 (0.21)
Cholesterol medication					
No (Ref.)	-	-	-	-	-
Yes	1.830 (0.43)*	1.873 (0.44)	1.84 (0.43)***	1.885 (0.44)**	1.815 (0.43)*
Age	0.996 (0.01)	0.995 (0.01)	0.995 (0.01)	0.977 (0.01)**	0.994 (0.01)
Decreasing Subjective Status		1.014 (0.01)**		1.023 (0.01)**	
Subjective Status Groups					
Higher status (Ref.)			-		
Middle status			1.120 (0.23)		
Lower status			1.448 (0.28)		
Material Class X Subjective Status					
Higher X Subj status (Ref.)				-	
Middle X Subj Status				0.983 (0.01)	
Working X Subj Status				0.991 (0.01)	
Class-Status Combinations					
Higher class-Higher status (Ref.)					-
Higher class-Middle status					1.184 (0.39)
Higher class-Lower status					2.417 (0.75)**
Middle class-Higher status					1.840 (0.53)*
Middle class-Middle status					1.402 (0.45)
Middle class-Lower status					1.754 (0.50)*
Working class-Higher status					0.987 (0.44)
Working class-Middle status					1.814 (0.64)
Working class-Lower status					1.647 (0.49)
Karlson, Holm, Breen-Mediation Analysis					
% of Material social class mediated by Subjective social status					
Higher Class		-	-		
Middle Class		30.78%*	24.44%		
Working Class		110.20%**	71.34%		

Source: Wave 2 and 6 of the English Longitudinal Study of Ageing ° p > 0.10 * p < 0.05, ** p < 0.01, *** p < 0.001. Entries represent the results of separate logistic regression models