Supplementary tables – sensitivity analyses for reviewers and potentially on-line access

TABLE 2A Odds ratios for **staying disease** free at Phase 7 associated with demographic factors, early life factors, health behaviors and psychosocial factors at Phase 1

	Men (2549 with no disease / 4140 men)			**Women** (988 with no disease / 1683 women)		
		Odds ratio[*] (95% CI)			Odds ratio[*] (95% CI)	
	N	Age adjusted	Age & SEP adjusted	N	Age Adjusted	Age & SEP adjusted
Socio-economic Position						
Employment grade - High	1728	1.51 (1.1, 2.0)		272	1.60 (1.2, 2.2)	
- Medium	2197	1.30 (1.0, 1.7)		753	1.36 (1.1, 1.7)	
- Low	215	1.0		658	1.0	
P-value for trend		*0.06*			*<0.001*	
Early Life Factors						
Father's social class - Non manual	2448	0.95 (0.8, 1.1)	0.93 (0.8, 1.1)	849	1.27 (1.3, 2.5)	1.18 (0.9, 1.5)
- Manual	1465	1.0	1.0	667	1.0	1.0
P-value		*0.47*	*0.29*		*0.03*	*0.14*
Age left Education - > 18 yrs	1862	1.16 (1.0, 1.4)	1.08 (0.9, 1.3)	533	1.27 (1.0, 1.6)	1.05 (0.8, 1.4)
- 17 - 18 yrs	1033	1.12 (0.9, 1.3)	1.08 (0.9, 1.3)	366	1.11 (0.9, 1.4)	1.00 (0.8, 1.3)
- ≤ 16 yrs	1094	1.0	1.0	688	1.0	1.0
P-value for trend		*0.06*	*0.40*		*0.06*	*0.72*
Height tertiles - Tallest	1442	1.24 (1.1, 1.4)	1.20 (1.0, 1.4)	615	1.34 (1.1, 1.7)	1.22 (1.0, 1.6)
- Middle	1408	1.25 (1.1, 1.5)	1.22 (1.0, 1.4)	575	1.31 (1.0, 1.7)	1.25 (1.0, 1.6)
- Shortest	1286	1.0	1.0	493	1.0	1.0
P-value for trend		*0.008*	*0.03*		*0.02*	*0.13*
Health behaviors						
Smoking habit - Never	2079	1.51 (1.2, 1.8)	1.47 (1.2, 1.8)	969	1.65 (1.3, 2.2)	1.64 (1.3, 2.1)
- Ex	1520	1.23 (1.0, 1.5)	1.20 (1.0, 1.5)	411	1.64 (1.2, 2.2)	1.58 (1.2, 2.1)
- Current	509	1.0	1.0	292	1.0	1.0
P-value for trend		*<0.001*	*<0.001*		*0.001*	*0.001*
Alcohol - None	429	0.97 (0.8, 1.2)	1.02 (0.8, 1.3)	405	0.63 (0.5, 1.1)	0.75 (0.5, 1.1)
- 1-14	2401	1.15 (1.0, 1.3)	1.16 (1.0, 1.3)	1083	0.90 (0.6, 1.3)	0.99 (0.7, 1.4)
- 15+	1280	1.0	1.0	175	1.0	1.0
P-value for trend		*0.52*	0.31		*0.003*	*0.05*
Poor Diet - No	2226	1.18 (1.0, 1.3)	1.16 (1.0, 1.3)	1024	1.12 (0.9, 1.4)	1.03 (0.8, 1.3)
- Yes	1799	1.0	1.0	570	1.0	1.0
P-value		*0.01*	*0.03*		*0.30*	*0.78*
Physical activity - Vigorous	2254	1.87 (1.5, 2.3)	1.79 (1.4, 2.3)	485	1.28 (1.0, 1.7)	1.18 (0.9, 1.6)
- Moderate	1508	1.51 (1.2, 1.9)	1.46 (1.2, 1.8)	771	1.11 (0.9, 1.4)	1.05 (0.8, 1.3)
- None / mild	364	1.0	1.0	412	1.0	1.0
P-value for trend		*<0.001*	*<0.001*		*0.07*	*0.23*
Psychosocial factors						
Decision latitude - High	1789	1.22 (1.0, 1.4)	1.12 (0.9, 1.3)	393	1.31 (1.0, 1.7)	1.10 (0.8, 1.5)
- Medium	1417	1.13 (1.0, 1.3)	1.06 (0.9, 1.3)	517	1.10 (0.9, 1.4)	0.99 (0.8, 1.3)
- Low	918	1.0	1.0	741	1.0	1.0
P-value for trend		*0.02*	*0.22*		*0.04*	*0.55*
Job demands - Low	932	0.97 (0.8, 1.2)	1.05 (0.9, 1.3)	596	1.14 (0.9, 1.5)	1.44 (1.1, 1.9)
- Medium	1838	1.02 (0.9, 1.2)	1.06 (0.9, 1.2)	710	1.17 (0.9, 1.5)	1.31 (1.0, 1.7)
- High	1361	1.0	1.0	360	1.0	1.0
P-value for trend		*0.78*	*0.54*		*0.40*	*0.02*
Work support - High	1410	1.23 (1.0, 1.4)	1.21 (1.0, 1.4)	528	1.13 (0.9, 1.4)	1.12 (0.9, 1.4)
- Medium	1393	0.93 (0.8, 1.1)	0.91 (0.8, 1.1)	502	1.08 (0.9, 1.4)	1.05 (0.8, 1.3)
- Low	1322	1.0	1.0	635	1.0	1.0
P-value for trend		*0.01*	*0.01*		*0.32*	*0.34*
Network Index - High	1571	1.06 (0.9, 1.2)	1.04 (0.9, 1.2)	560	0.95 (0.7, 1.2)	0.93 (0.7, 1.2)
- Medium	1510	1.11 (0.9, 1.3)	1.10 (0.9, 1.3)	631	0.90 (0.7, 1.1)	0.88 (0.7, 1.1)
- Low	1026	1.0	1.0	470	1.0	1.0
P-value for trend		*0.56*	*0.71*		*0.70*	*0.63*

[*] All odds ratios are adjusted for number of phases attended in addition to adjustments given

TABLE 2B. Odds ratios for **good functioning** at Phase 7 associated with demographic factors, early life factors, health behaviors and psychosocial factors at Phase 1

		Men (757 good functioning / 4140 men)			**Women** (361 good functioning / 1683 women)		
			Odds ratio[*] (95% CI)			Odds ratio[*] (95% CI)	
		N	Age adjusted	Age & SEP adjusted	N	Age Adjusted	Age & SEP adjusted
Socio-economic Position							
Employment grade	- High	1728	11.0 (5.3, 22.7)		272	9.22 (6.2, 13.7)	
	- Medium	2197	4.53 (2.2, 9.3)		753	3.55 (2.5, 5.0)	
	- Low	215	1.0		658	1.0	
	P-value for trend		*<0.001*			*<0.001*	
Early Life Factors							
Father's social class	- Non manual	2448	1.17 (1.0, 1.4)	1.03 (0.9, 1.2)	849	1.87 (1.4, 2.5)	1.23 (0.9, 1.6)
	- Manual	1465	1.0	1.0	667	1.0	1.0
	P-value		*0.08*	*0.79*		*<0.001*	*0.18*
Age left Education	- > 18 yrs	1862	2.18 (1.7, 2.7)	1.43 (1.1, 1.8)	533	2.57 (1.9, 3.5)	1.19 (0.8, 1.7)
	- 17 - 18 yrs	1033	1.71 (1.3, 2.2)	1.43 (1.1, 1.8)	366	1.62 (1.1, 2.3)	1.06 (0.7, 1.5)
	- ≤ 16 yrs	1094	1.0	1.0	688	1.0	1.0
	P-value for trend		*<0.001*	*0.009*		*<0.001*	*0.33*
Height tertiles	- Tallest	1442	2.21 (1.8, 2.7)	1.92 (1.5, 2.4)	615	2.69 (1.9, 3.7)	1.84 (1.3, 2.6)
	- Middle	1408	1.60 (1.3, 2.0)	1.48 (1.2, 1.9)	575	1.66 (1.2, 2.4)	1.34 (0.9, 1.9)
	- Shortest	1286	1.0	1.0	493	1.0	1.0
	P-value for trend		*<0.001*	*<0.001*		*<0.001*	*<0.001*
Health behaviors							
Smoking habit	- Never	2079	2.41 (1.8, 3.3)	2.06 (1.5, 2.8)	969	1.78 (1.2, 2.6)	1.65 (1.1, 2.5)
	- Ex	1520	2.11 (1.5, 2.9)	1.95 (1.4, 2.7)	411	2.40 (1.6, 3.7)	1.95 (1.2, 3.0)
	- Current	509	1.0	1.0	292	1.0	1.0
	P-value for trend		*<0.001*	*<0.001*		*0.08*	*0.09*
Alcohol	- None	429	0.78 (0.6, 1.1)	1.00 (0.4, 1.4)	405	0.34 (0.2, 0.5)	0.72 (0.4, 1.2)
	- 1-14	2401	0.95 (0.8, 1.1)	0.96 (0.8, 1.2)	1083	0.78 (0.5, 1.1)	1.12 (0.8, 1.6)
	- 15+	1280	1.0	1.0	175	1.0	1.0
	P-value for trend		*0.15*	*0.82*		*<0.001*	*0.13*
Poor Diet	- No	2226	1.34 (1.1, 1.6)	1.20 (1.0, 1.4)	1024	1.64 (1.2, 2.1)	1.16 (0.9, 1.6)
	- Yes	1799	1.0	1.0	570	1.0	1.0
	P-value		*<0.001*	*0.04*		*0.008*	*0.32*
Physical activity	- Vigorous	2254	1.82 (1.3, 2.6)	1.42 (1.0, 2.0)	485	2.72 (1.9, 4.0)	2.06 (1.4, 3.1)
	- Moderate	1508	1.58 (1.1, 2.3)	1.29 (0.9, 1.9)	771	2.01 (1.4, 2.9)	1.68 (1.1, 2.5)
	- None / mild	364	1.0	1.0	412	1.0	1.0
	P-value for trend		*<0.001*	*0.05*		*<0.001*	*<0.001*
Psychosocial factors							
Decision latitude	- High	1789	1.91 (1.5, 2.4)	1.18 (0.9, 1.5)	393	3.06 (2.2, 4.2)	1.40 (1.0, 2.0)
	- Medium	1417	1.43 (1.1, 1.8)	1.05 (0.8, 1.3)	517	1.99 (1.5, 2.7)	1.29 (0.9, 1.8)
	- Low	918	1.0	1.0	741	1.0	1.0
	P-value for trend		*<0.001*	*0.14*		*<0.001*	*0.07*
Job demands	- Low	932	0.77 (0.6, 1.0)	1.12 (0.9, 1.4)	596	0.52 (0.4, 0.7)	1.16 (0.8, 1.7)
	- Medium	1838	1.03 (0.9, 1.2)	1.24 (1.0, 1.5)	710	0.80 (0.6, 1.1)	1.15 (0.8, 1.6)
	- High	1361	1.0	1.0	360	1.0	1.0
	P-value for trend		*0.04*	*0.20*		*<0.001*	*0.43*
Work support	- High	1410	1.21 (1.0, 1.5)	1.17 (1.0, 1.4)	528	1.17 (0.9, 1.6)	1.10 (0.8, 1.5)
	- Medium	1393	1.12 (0.9, 1.4)	1.04 (0.8, 1.3)	502	1.07 (0.8, 1.5)	0.92 (0.7, 1.3)
	- Low	1322	1.0	1.0	635	1.0	1.0
	P-value for trend		*0.06*	*0.14*		*0.30*	*0.58*
Network Index	- High	1571	1.17 (0.9, 1.4)	1.08 (0.9, 1.3)	560	0.98 (0.7, 1.3)	0.92 (0.7, 1.3)
	- Medium	1510	1.04 (0.8, 1.3)	0.98 (0.8, 1.2)	631	0.99 (0.7, 1.3)	0.87 (0.6, 1.2)
	- Low	1026	1.0	1.0	470	1.0	1.0
	P-value for trend		*0.11*	*0.38*		*0.91*	*0.65*

[*] All odds ratios are adjusted for number of phases attended in addition to adjustments given

TABLE 2C. Odds ratios for successful aging at Phase 7 associated with demographic factors, early life factors, health behaviors and psychosocial factors at Phase 1
NOTE: Disease definition EXCLUDES Metabolic syndrome from disease definition

		Men (627 successfully aged / 4140 men)			**Women** (267 successfully aged / 1683 women)		
		Odds ratio[*] (95% CI)			Odds ratio[*] (95% CI)		
		N	Age adjusted	Age & SEP adjusted	N	Age adjusted	Age & SEP adjusted
Socio-economic Position							
Employment grade	- High	1728	8.54 (4.1, 17.6)		272	8.34 (5.3, 13.1)	
	- Medium	2197	3.59 (1.7, 7.4)		753	3.92 (2.6, 5.9)	
	- Low	215	1.0		658	1.0	
	P-value for trend		*<0.001*			*<0.001*	
Early Life Factors							
Father's social class	- Non manual	2448	1.10 (0.9, 1.3)	0.97 (0.8, 1.2)	849	1.79 (1.3, 2.4)	1.21 (0.9, 1.7)
	- Manual	1465	1.0	1.0	667	1.0	1.0
	P-value		*0.30*	*0.75*		*<0.001*	*0.24*
Age left Education	- > 18 yrs	1862	1.95 (1.5, 2.5)	1.27 (1.0, 1.6)	533	2.42 (1.7, 3.4)	1.17 (0.8, 1.7)
	- 17 - 18 yrs	1033	1.51 (1.1, 2.0)	1.26 (1.0, 1.7)	366	1.72 (1.2, 2.5)	1.14 (0.8, 1.7)
	- ≤ 16 yrs	1094	1.0	1.0	688	1.0	1.0
	P-value for trend		*<0.001*	*0.09*		*<0.001*	*0.45*
Height tertiles	- Tallest	1442	2.07 (1.7, 2.6)	1.80 (1.4, 2.3)	615	2.96 (2.0, 4.3)	2.07 (1.4, 3.1)
	- Middle	1408	1.53 (1.2, 1.9)	1.42 (1.1, 1.8)	575	1.85 (1.2, 2.8)	1.50 (1.0, 2.3)
	- Shortest	1286	1.0	1.0	493	1.0	1.0
	P-value for trend		*<0.001*	*<0.001*		*<0.001*	*<0.001*
Health behaviors							
Smoking habit	- Never	2079	2.71 (1.9, 3.8)	2.34 (1.6, 3.3)	969	2.22 (1.4, 3.5)	2.09 (1.3, 3.4)
	- Ex	1520	2.32 (1.6, 3.3)	2.16 (1.5, 3.1)	411	2.52 (1.5, 4.2)	2.06 (1.2, 3.5)
	- Current	509	1.0	1.0	292	1.0	1.0
	P-value for trend		*<0.001*	*<0.001*		*0.009*	*0.009*
Alcohol	- None	429	0.92 (0.7, 1.3)	1.18 (0.9, 1.6)	405	0.30 (0.2, 0.5)	0.59 (0.3, 1.0)
	- 1-14	2401	0.94 (0.8, 1.1)	0.95 (0.8, 1.2)	1083	0.81 (0.5, 1.2)	1.11 (0.7, 1.7)
	- 15+	1280	1.0	1.0	175	1.0	1.0
	P-value for trend		*0.52*	*0.66*		*<0.001*	*0.04*
Poor Diet	- No	2226	1.47 (1.2, 1.8)	1.32 (1.1, 1.6)	1024	1.61 (1.2, 2.2)	1.15 (0.8, 1.6)
	- Yes	1799	1.0	1.0	570	1.0	1.0
	P-value		*<0.001*	*0.004*		*0.003*	*0.41*
Physical activity	- Vigorous	2254	1.96 (1.3, 2.9)	1.57 (1.1, 2.3)	485	2.37 (1.6, 3.6)	1.76 (1.1, 2.7)
	- Moderate	1508	1.57 (1.1, 2.3)	1.30 (0.9, 2.0)	771	1.88 (1.3, 2.8)	1.53 (1.0, 2.3)
	- None / mild	364	1.0	1.0	412	1.0	1.0
	P-value for trend		*<0.001*	*0.007*		*<0.001*	*0.02*
Psychosocial factors							
Decision latitude	- High	1789	1.95 (1.5, 2.5)	1.25 (1.0, 1.6)	393	2.67 (1.9, 3.8)	1.27 (0.9, 1.9)
	- Medium	1417	1.39 (1.1, 1.8)	1.06 (0.8, 1.4)	517	1.93 (1.4, 2.7)	1.25 (0.9, 1.8)
	- Low	918	1.0	1.0	741	1.0	1.0
	P-value for trend		*<0.001*	*0.06*		*<0.001*	*0.24*
Job demands	- Low	932	0.83 (0.6, 1.1)	1.20 (0.9, 1.5)	596	0.63 (0.4, 0.9)	1.38 (0.9, 2.1)
	- Medium	1838	1.07 (0.9, 1.3)	1.28 (1.0, 1.6)	710	1.00 (0.7, 1.4)	1.40 (1.0, 2.0)
	- High	1361	1.0	1.0	360	1.0	1.0
	P-value for trend		*0.20*	*0.09*		*0.01*	*0.13*
Work support	- High	1410	1.22 (1.0, 1.5)	1.17 (0.9, 1.5)	528	1.16 (0.8, 1.6)	1.09 (0.8, 1.5)
	- Medium	1393	1.00 (0.8, 1.2)	0.93 (0.7, 1.2)	502	1.06 (0.8, 1.5)	0.93 (0.7, 1.3)
	- Low	1322	1.0	1.0	635	1.0	1.0
	P-value for trend		*0.06*	*0.13*		*0.37*	*0.61*
Network Index	- High	1571	1.13 (0.9, 1.4)	1.05 (0.8, 1.3)	560	1.02 (0.7, 1.4)	0.97 (0.7, 1.4)
	- Medium	1510	1.01 (0.8, 1.3)	0.95 (0.8, 1.2)	631	1.05 (0.7, 1.5)	0.94 (0.7, 1.3)
	- Low	1026	1.0	1.0	470	1.0	1.0
	P-value for trend		*0.23*	*0.57*		*0.95*	*0.87*

[*] All odds ratios are adjusted for number of phases attended in addition to adjustments given

TABLE 2D. Odds ratios for successful aging at Phase 7 associated with demographic factors, early life factors, health behaviors and psychosocial factors at Phase 1

NOTE: Functioning definition EXCLUDES the AH4-I cognitive test. Good functioning is defined as being in the top tertile of functioning for two or more of the three functioning measures (or the top tertile of both functioning measures when only two are known).

| | | Men (759 successfully aged / 3170 men) | | | Women (333 successfully aged / 1365 women) | | |
| | | Odds ratio* (95% CI) | | | Odds ratio* (95% CI) | | |
		N	Age adjusted	Age & SEP adjusted	N	Age adjusted	Age & SEP adjusted
Socio-economic Position							
Employment grade	- High	1361	3.13 (1.9, 5.1)		231	2.54 (1.7, 3.7)	
	- Medium	1653	1.80 (1.1, 2.9)		637	2.11 (1.5, 2.9)	
	- Low	156	1.0		497	1.0	
P-value for trend			*<0.001*			*<0.001*	
Early Life Factors							
Father's social class	- Non manual	1893	0.94 (0.8, 1.1)	0.86 (0.7, 1.0)	696	1.38 (1.1, 1.8)	1.16 (0.9, 1.5)
	- Manual	1100	1.0	1.0	545	1.0	1.0
P-value			*0.46*	*0.10*		*0.02*	*0.33*
Age left Education	- > 18 yrs	1434	1.31 (1.1, 1.6)	0.96 (0.8, 1.2)	446	1.39 (1.0, 1.9)	0.97 (0.7, 1.4)
	- 17 - 18 yrs	786	1.18 (0.9, 1.5)	1.03 (0.8, 1.3)	301	1.17 (0.8, 1.7)	0.93 (0.6, 1.3)
	- ≤ 16 yrs	831	1.0	1.0	551	1.0	1.0
P-value for trend			*0.01*	*0.66*		*0.04*	*0.89*
Height tertiles	- Tallest	1101	2.03 (1.6, 2.5)	1.86 (1.5, 2.3)	510	2.61 (1.8, 3.7)	2.24 (1.6, 3.2)
	- Middle	1113	1.66 (1.3, 2.1)	1.59 (1.3, 2.0)	465	1.99 (1.4, 2.8)	1.80 (1.2, 2.6)
	- Shortest	953	1.0	1.0	390	1.0	1.0
P-value for trend			*<0.001*	*<0.001*		*<0.001*	*<0.001*
Health behaviors							
Smoking habit	- Never	2618	2.78 (2.0, 3.9)	2.53 (1.8, 3.5)	778	1.71 (1.1, 2.5)	1.67 (1.1, 2.5)
	- Ex	1163	2.28 (1.6, 3.2)	2.18 (1.5, 3.1)	344	1.99 (1.3, 3.1)	1.82 (1.2, 2.8)
	- Current	361	1.0	1.0	235	1.0	1.0
P-value for trend			*<0.001*	*<0.001*		*0.05*	*0.05*
Alcohol	- None	327	1.05 (0.8, 1.4)	1.22 (0.9, 1.7)	304	0.38 (0.2, 0.6)	0.52 (0.3, 0.8)
	- 1-14	1873	1.26 (1.0, 1.5)	1.28 (1.1, 1.6)	890	0.82 (0.6, 1.2)	0.95 (0.6, 1.4)
	- 15+	949	1.0	1.0	154	1.0	1.0
P-value for trend			*0.21*	*0.04*		*<0.001*	*0.004*
Poor Diet	- No	1752	1.42 (1.2, 1.7)	1.35 (1.1, 1.6)	853	1.20 (0.9, 1.6)	1.02 (0.8, 1.4)
	- Yes	1332	1.0	1.0	448	1.0	1.0
P-value			*<0.001*	*<0.001*		*0.21*	*0.92*
Physical activity	- Vigorous	1784	1.78 (1.2, 2.5)	1.53 (1.1, 2.2)	426	1.61 (1.1, 2.3)	1.37 (0.9, 2.0)
	- Moderate	1123	1.41 (1.0, 2.0)	1.24 (0.9, 1.8)	625	1.21 (0.9, 1.7)	1.08 (0.8, 1.5)
	- None / mild	255	1.0	1.0	316	1.0	1.0
P-value for trend			*<0.001*	*0.003*		*0.007*	*0.07*
Psychosocial factors							
Decision latitude	- High	1384	1.58 (1.3, 2.0)	1.20 (0.9, 1.5)	324	1.76 (1.3, 2.4)	1.27 (0.9, 1.8)
	- Medium	1098	1.19 (0.9, 1.5)	1.00 (0.8, 1.3)	441	1.65 (1.2, 2.2)	1.34 (1.0, 1.9)
	- Low	677	1.0	1.0	575	1.0	1.0
P-value for trend			*<0.001*	*0.08*		*<0.001*	*0.19*
Job demands	- Low	704	1.04 (0.8, 1.3)	1.33 (1.0, 1.7)	466	0.87 (0.6, 1.2)	1.29 (0.9, 1.9)
	- Medium	1405	1.09 (0.9, 1.3)	1.23 (1.0, 1.5)	578	1.12 (0.8, 1.5)	1.31 (0.9, 1.8)
	- High	1052	1.0	1.0	308	1.0	1.0
P-value for trend			*0.65*	*0.01*		*0.35*	*0.21*
Work support	- High	1104	1.38 (1.1, 1.7)	1.35 (1.1, 1.7)	430	1.13 (0.8, 1.5)	1.11 (0.8, 1.5)
	- Medium	1077	1.15 (0.9, 1.4)	1.10 (0.9, 1.4)	414	0.99 (0.7, 1.4)	0.94 (0.7, 1.3)
	- Low	979	1.0	1.0	506	1.0	1.0
P-value for trend			*0.002*	*0.005*		*0.46*	*0.54*
Network Index	- High	1224	1.07 (0.9, 1.3)	1.01 (0.8, 1.3)	453	0.74 (0.5, 1.0)	0.72 (0.5, 1.0)
	- Medium	1142	1.03 (0.8, 1.3)	0.99 (0.8, 1.2)	530	0.71 (0.5, 1.0)	0.67 (0.5, 0.9)
	- Low	776	1.0	1.0	368	1.0	1.0
P-value for trend			*0.53*	*0.89*		*0.08*	*0.07*

*All odds ratios are adjusted for number of phases attended in addition to adjustments given

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