

Table S1. Effects of O, N, and E personality traits on age of death in simultaneous latent growth model and Cox proportional hazard model.

Model Parameters	Openness		Neuroticism		Extraversion	
	Estimate	SE	Estimate	SE	Estimate	SE
<i>Survival Estimates</i>						
Intercept $b_{h,I}$	-0.01	0.01	0.04	0.02	0.002	0.02
Slope $b_{h,S}$	-0.30*	0.11	-0.06	0.24	-0.30	0.23
Sex $b_{h,sex}$	-0.44*	0.08	-0.46*	0.07	-0.45*	0.07
Primary education (Ref.)	-	-	-	-	-	-
Lower secondary $b_{h,educ}$	-0.11	0.09	-0.14	0.08	-0.15	0.08
Upper secondary $b_{h,educ}$	0.04	0.15	0.07	0.13	-0.03	0.16
Tertiary $b_{h,educ}$	-0.24	0.17	-0.18	0.14	-0.25	0.15
Entry Age $b_{h,age}$	0.11*	0.01	0.10*	0.01	0.11*	0.01
<i>Growth Model Fixed Effects</i>						
Intercept @ 65	17.13*	0.57	1.55*	0.32	5.96*	0.31
Slope/decade	-0.46	0.42	0.84*	0.26	-0.75*	0.21
Quadratic/decade	0.31	0.23	0.17	0.13	-0.02	0.10
Sex	0.27	0.21	0.60*	0.11	-0.53	0.11
Sex*Slope	0.03	0.09	0.06	0.05	-0.03	0.05
Sex*Quadratic	-0.12	0.09	0.01	0.05	-0.04	0.05
Primary education (Ref)	-	-	-	-	-	-
Lower secondary	1.76*	0.23	-0.14	0.13	0.10	0.13
Upper secondary	2.63*	0.38	-0.25*	0.19	0.34	0.19
Tertiary	3.88*	0.39	-0.36*	0.19	0.21	0.22
Lower secondary*Slope	0.11	0.10	-0.09	0.06	-0.02	0.05
Upper secondary*Slope	-0.01	0.01	-0.05	0.11	-0.18	0.11
Tertiary*Slope	0.07	0.18	-0.01	0.08	-0.18	0.08
Lower secondary*Quadratic	-0.14	0.11	0.04	0.06	-0.05	0.05
Upper secondary*Quadratic	-0.17	0.11	-0.01	0.09	-0.18	0.09
Tertiary*Quadratic	-0.22	0.15	-0.002	0.08	-0.04	0.08
Entry Age	-0.002	0.01	0.02*	0.01	-0.02*	0.01
Entry Age*Slope	0.002	0.01	-0.02*	0.004	0.02*	0.004
Entry Age*Quadratic	-0.01*	0.004	0.003	0.002	-0.004*	0.002
<i>Growth Model Random Effects</i>						
$\sigma^2_{Intercept}$	11.45*	0.54	3.58*	0.18	3.58*	0.13

σ^2_{Slope}	0.78*	0.15	0.27*	0.05	0.27*	0.04
$\sigma^2_{\text{Quadratic}}$	0.38*	0.10	0.10*	0.03	0.05*	0.02
$\sigma(\text{Intercept, Slope})$	-0.17	0.19	-0.10	0.06	-0.20*	0.04
$\sigma(\text{Intercept, Quadratic})$	-0.67*	0.19	-0.38*	0.07	-0.37*	0.05
$\sigma(\text{Slope, Quadratic})$	0.43*	0.10	0.05*	0.02	0.03*	0.01
$\sigma^2_{\text{Residual}}$	4.98	0.18	1.56*	0.05	1.42	0.04

Note. Asterisk (*) indicates statistically significant estimate ($p < .05$).

Table S2. Effects of O, N, and E personality traits on age of death in simultaneous latent growth model and Cox proportional hazard mode that include time-varying physical, psychological, and cognitive health covariates.

Model Parameters	Openness		Neuroticism		Extraversion	
	Estimate	SE	Estimate	SE	Estimate	SE
<i>Survival Estimates</i>						
Intercept $b_{h,I}$	-0.01	0.01	0.01	0.03	0.01	0.02
Slope $b_{h,S}$	-0.29*	0.11	-0.09	0.39	-0.37	0.23
Sex $b_{h,sex}$	-0.43*	0.08	-0.44*	0.07	-0.45*	0.07
Primary education (Ref.)	-	-	-	-	-	-
Lower secondary $b_{h,educ}$	-0.12	0.09	-0.13	0.08	-0.17	0.08
Upper secondary $b_{h,educ}$	0.01	0.15	0.07	0.13	-0.06	0.16
Tertiary $b_{h,educ}$	-0.28	0.17	-0.18	0.14	-0.29	.157
Entry Age $b_{h,age}$	0.10*	0.01	0.10*	0.01	0.11*	0.01
<i>Growth Model Fixed Effects</i>						
Intercept @ 65	16.87*	0.80	-1.01*	0.40	7.13*	0.41
Slope/decade	0.03	0.55	-0.07	0.28	-0.38	0.27
Quadratic/decade	0.32	0.23	0.13	0.12	-0.04	0.10
Sex	0.30	0.20	0.45*	0.10	-0.48*	0.10
Sex*Slope	0.03	0.09	0.01	0.05	-0.01	0.05
Sex*Quadratic	-0.13	0.09	-0.002	0.05	-0.04	0.05
Primary education (Ref.)	-	-	-	-	-	-
Lower secondary	1.67*	0.23	-0.04	0.11	0.06	0.12
Upper secondary	2.60*	0.37	-0.17*	0.15	0.31	0.18
Tertiary	3.60*	0.39	-0.09*	0.17	0.08	0.22
Lower secondary*Slope	0.06	0.11	-0.02	0.05	-0.06	0.05
Upper secondary*Slope	-0.10	0.17	0.02	0.10	-0.23*	0.11
Tertiary*Slope	0.08	0.19	0.05	0.08	-0.25*	0.08
Lower secondary*Quadratic	-0.14	0.11	0.04	0.06	-0.05	0.05
Upper secondary*Quadratic	-0.20	0.14	0.01	0.08	-0.20*	0.08
Tertiary*Quadratic	-0.22	0.15	-0.050	0.08	-0.04	0.08
Entry Age	0.002	0.01	0.05*	0.01	-0.03*	0.01
Entry Age*Slope	-0.010	0.01	-0.01*	0.010	0.01*	0.01
Entry Age*Quadratic	-0.01*	0.004	0.001	0.002	-0.003	0.002

Growth Model Random Effects

$\sigma^2_{\text{Intercept}}$	11.09*	0.53	2.58*	0.15	3.37*	0.13
σ^2_{Slope}	0.75*	0.15	0.21*	0.04	0.24*	0.03
$\sigma^2_{\text{Quadratic}}$	0.37*	0.09	0.08*	0.03	0.04*	0.02
$\sigma_{\text{(Intercept, Slope)}}$	-0.27	0.18	-0.11*	0.05	-0.20*	0.04
$\sigma_{\text{(Intercept, Quadratic)}}$	-0.60*	0.18	-0.28*	0.06	-0.30*	0.05
$\sigma_{\text{(Slope, Quadratic)}}$	0.44*	0.09	0.04*	0.02	0.02	0.01
$\sigma^2_{\text{Residual}}$	4.97	0.18	1.48*	0.05	1.41*	0.04

Note. asterisk (*) indicates statistically significant estimate ($p < .05$). Parameter estimates are based on model fitting results identical to parameter estimates presented in Supplemental Table 1 except that estimates are adjusted for time-varying effects of physical, psychological, and cognitive covariates on O, N, and E personality traits.