Supplementary Table 1. Trajectory of cognitive function among participants by living arrangement on 2012-2020 KLoSA data (n=3,049)

Latent variable	Intercept		Slope		Quadratic		Model fit				
	Mean (P)	SE	Mean (P)	SE	Mean (P)	SE	χ^2	P	CFI	TLI	RMSEA
Overall											
No growth	23.426 (<0.001)	0.093					1,199.889	<0.001	0.854	0.887	0.173
Linear	24.559 (<0.001)	0.092	-0.693 (<0.001)	0.026			68.903	<0.001	0.993	0.993	0.044
Quadratic	24.535 (<0.001)	0.095	-0.651 (<0.001)	0.072	-0.009 (0.615)	0.018	16.997	0.009	0.999	0.998	0.025
Living alone											
No growth	22.091 (<0.001)	0.238					224.553	<0.001	0.839	0.876	0.180
Linear	23.450 (<0.001)	0.233	-0.785 (<0.001)	0.068			18.562	0.046	0.993	0.993	0.041
Quadratic	23.510 (<0.001)	0.243	-0.880 (<0.001)	0.190	0.026 (0.572)	0.046	7.966	0.241	0.999	0.998	0.026
Living with other											
No growth	23.688 (<0.001)	0.100					980.694	<0.001	0.856	0.889	0.171
Linear	24.774 (<0.001)	0.100	-0.673 (<0.001)	0.028			63.485	<0.001	0.992	0.992	0.046
Quadratic	24.739 (<0.001)	0.102	-0.606 (<0.001)	0.078	-0.015 (0.428)	0.019	15.630	0.016	0.999	0.998	0.025

Abbreviations: CFI, comparative fit index; KLoSA, Korean mini mental state examination; RMSEA, root mean square error of approximation; SE, standard error; TLI, Tucker-Lewis index.