

SUPPLEMENTARY TABLES

Table S1. *Descriptive statistics of analytic samples*

Variables	Whole sample	Rural	Urban
Child schooling years	9.77 (3.62)	9.14(3.40)	12.42(3.31)
Schooling years	4.10 (3.84)	3.30(3.26)	7.43(4.29)
Age	69.79(6.18)	69.66(6.18)	70.39(6.18)
Male (ref., female)	49%	47%	59%
Married (ref., others)	80%	79%	82%
Urban (ref., rural)	19%	/	/
Number of living children	3.45(1.44)	3.59(1.44)	2.89(1.34)
Logged expenditure per capital	8.70(1.05)	8.59(1.04)	9.15(0.96)
N	17088	13796	3292

Table S2. Growth Curve Models Predicting the Effect of Children's Education on IADL among Older Adults, China Health and Retirement Longitudinal Study, 2011 to 2018

Variable	Model 1 (Senior high or above)		Model 2 (Junior high)		Model 3 (Primary or lower)	
	Coef.	SE	Coef.	SE	Coef.	SE
Child schooling years	-0.046	0.037	-0.087**	0.031	-0.075***	0.013
Age (centered on the mean)	0.126	0.079	0.176***	0.047	0.213***	0.015
Child schooling*age	0.000	0.006	-0.005	0.004	-0.002	0.002
Education	/	/	/	/	/	/
Male (ref., Female)	-0.645**	0.244	-0.723***	0.194	-1.056***	0.089
Urban (ref., Rural)	-0.419	0.266	-0.444*	0.193	-0.28	0.132
Married (ref., widowed/separated)	0.197	0.257	-0.035	0.204	-0.011	0.086
Number of living children	-0.011	0.078	0.121*	0.061	0.077**	0.026
Logged household expenditure per capital	0.039	0.067	0.150**	0.048	0.089***	0.022
<i>Random effects-variance component</i>						
Level 1: within person	2.548***	0.146	2.483***	0.099	5.020***	0.077
Level 2: in intercept	2.066***	0.28	4.105***	0.331	4.856***	0.164
Level 2: in linear growth rate	0.040***	0.010	0.025***	0.006	0.015***	0.003
Constant	2.349***	0.864	1.943**	0.643	3.036***	0.249
<i>Residual correlation between intercept and linear growth rate</i>						
	0.176***	0.033	0.207***	0.032	0.213***	0.015
AIC	4559.407		9315.022		67418.183	
BIC	4624.063		9388.882		67516.168	
ICC	0.471		0.543		0.452	
n of persons	267		542		3467	
n of person-year observations	1068		2168		13868	

Notes: BIC= Bayesian information criterion, the smaller the better; ref=reference. p<0.1 +, p<0.05 *, p<0.01 **, p<0.001 *** (two tailed tests).

Table S3. Growth Curve Models Predicting the Effect of Children's Education on ADL among Older Adults, China Health and Retirement Longitudinal Study, 2011 to 2018

Variable	Model 1 (Senior high or above)		Model 2 (Junior high)		Model 3 (Primary or lower)	
	Coef.	SE	Coef.	SE	Coef.	SE
Child schooling years	-0.045*	0.019	-0.032+	0.019	-0.036***	0.008
Age (centered on the mean)	0.075	0.055	0.045	0.031	0.081***	0.012
Child schooling*age	-0.002	0.004	-0.001	0.003	-0.002	0.001
Education	/	/	/	/	/	/
Male (ref., Female)	-0.082**	0.116	-0.249***	0.114	-0.231***	0.008
Urban (ref., Rural)	0.075	0.127	-0.257*	0.114	-0.09	0.079
Married (ref., widowed/separated)	0.263+	0.153	-0.001	0.129	-0.010	0.055
Number of living children	-0.041	0.041	0.050	0.038	0.035*	0.016
Logged household expenditure per capital	-0.026	0.044	0.098**	0.031	0.083***	0.014
<i>Random effects-variance component</i>						
Level 1: within person	1.334***	0.070	1.082***	0.044	2.188***	0.033
Level 2: in intercept	0.286***	0.082	1.520***	0.139	1.759***	0.066
Level 2: in linear growth rate	0.026***	0.004	0.012***	0.003	0.015***	0.001
Constant	1.107***	0.510	0.184	0.401	0.484***	0.160
<i>Residual correlation between intercept and linear growth rate</i>						
	0.085***	0.012	0.101***	0.014	0.127***	0.007
AIC	3692.719		7419.751		55686.618	
BIC	3757.375		7493.611		55784.603	
ICC	0.427		0.473		0.415	
n of persons	267		542		3467	
n of person-year observations	1068		2168		13868	

Notes: BIC= Bayesian information criterion, the smaller the better; ref=reference. p<0.1 +, p<0.05 *, p<0.01 **, p<0.001 *** (two tailed tests).