Appendix

TABLE A1. *Scales for measures of parent-child relationship typology*

Indicator	Source (from the CLASS questionnaires)	Scale
Emotional affinity		
T1. Parents' self-rated closeness toward each child	T1. "Overall, do you feel close to this child emotionally?"	1 = Not close 2 = Fair 3 = Close
T2. Parents' self-rated emotional indifference from each child	T2. "Do you think that this child showed less care for you?"	1 = Often
T3. Parents' self-rated excessive help each child required	T3. "Do you think that this child requested too much help and support (money, assistance, babysitting, or housework) over the past 12 months?"	2 = Sometimes 3 = Occasionally 4 = Never
Functional exchange		
T4. Economic support from each child to parents	T4. "Did this child send money, food or gifts to you (or your living spouse) over the past 12 months, and how much were these items worth?"	1 = 0
T5. Economic support from parents to each child	T5. "Did you (or your living spouse) send money, food or gifts to this child over the past 12 months, and how much were these items worth?"	2 = 1–199 3 = 200–499 4 = 500–999 5 = 1,000–1,999 6 = 2,000–3,999 7 = 4,000–6,999 8 = 7,000–11,999 9 = 1,2000 and above
T6. Housework support from each child to parents	T6. "How often did this child help you with housework over the past 12 months?"	1 = Almost never
T7. Housework support from parents to each child	T7. "How often did you help this child with housework over the past 12 months?"	2 = Several times a year 3 = At least once a month 4 = At least once a week 5 = Almost every day
Associational connection		
T8. Frequency of meetings with each child	T8. "How often did you meet with this child over the past 12 months?	1 = Almost never
T9. Frequency of online contact with each child	T9. "How often did you contact this child online (through phone, WeChat, and other means of telecommunication) over the past 12 months?"	2 = Several times a year 3 = At least once a month 4 = At least once a week 5 = Almost every day

TABLE A2. *Number of identified relationship types for older parents with multiple children*

Number of intergenerational relationship types (%)	Number of adult children (%)				
	2	3	4	5+	Total
1	60.729	52.371	53.823	43.789	55.454
2	38.222	44.227	41.348	47.606	41.194
3	1.030	3.402	4.728	8.258	3.274
4	0.019	//	0.101	0.347	0.078
5	//	//	//	//	//
Individuals (n)	4,145	1,931	2,167	1,186	9,429
Person-Years (N)	5,243	1,940	2,982	1,441	11,606

TABLE A3. *Comparison between the final sample and the dropped sample with missing values*

Variables	(1) Final Sample		(2) Dropped Sample		Difference (1)–(2)
	Mean	N	Mean	N	
Cognitive functioning	13.510	11,606	13.372	8,574	0.138***
Type min	2.902	11,606	2.865	14,547	0.037**
Type max	3.572	11,606	3.510	14,547	0.062***
Type std	0.391	11,606	0.419	12,693	-0.028***
Type range	0.670	11,606	0.644	14,547	0.025*
Type mean	2.902	11,606	3.158	14,547	0.055***
Age	70.509	11,606	71.654	14,547	-1.145***
Women	0.482	11,606	0.534	14,542	-0.052***
Education	0.331	11,606	0.274	9,658	0.057***
Urban	0.580	11,606	0.526	14,524	0.054***
Marital status	0.709	11,606	0.650	14,541	0.062***
Agricultural *hukou*	0.538	11,606	0.602	14,538	-0.064***
Individual income	0.576	11,606	0.518	14,547	0.059***
Homeownership	0.917	11,606	0.867	14,516	0.050***
Living arrangement	0.342	11,606	0.375	14,547	-0.033***
Social networks	6.628	11,606	6.101	14,403	0.528***
CES-D	6.495	11,606	6.815	9,365	-0.320***
IADL	0.856	11,606	1.769	14,382	-0.913***

*Notes: *$p < 0.05$, **$p < 0.01$, ***$p < 0.001$.*

TABLE A4. *P-values for conditional growth curve model estimates of intergenerational relationships on cognitive functioning of older parents after using Bonferroni correction*

Measures	Total		Women		Men	
	Intercept	Slope	Intercept	Slope	Intercept	Slope
Panel A. The most distant type						
Type min (Alienated = ref.)						
Stressfully interacting	0.952	0.066	0.529	0.001***	1.000	1.000
Independent	0.011*	0.123	0.001***	0.128	1.000	1.000
Beneficially interacting	0.032*	1.000	0.001***	0.827	1.000	1.000
Tight-knit	0.000***	0.075	0.002**	0.145	0.005**	1.000
overall difference	0.000***	0.037**	0.000***	0.004**	0.006**	0.258
Panel B. The closest type						
Type max (Alienated = ref.)						
Stressfully interacting	1.000	1.000	1.000	1.000	0.774	1.000
Independent	1.000	1.000	0.007**	0.432	0.589	1.000
Beneficially interacting	1.000	0.258	0.044*	0.621	0.223	0.550
Tight-knit	0.418	1.000	0.042*	1.000	1.000	1.000
overall difference	0.090	0.036*	0.010**	0.023*	0.048*	0.055

Notes: Covariates included education, residential area, *hukou* status, parents' total income, homeownership, living arrangement, parents' social networks score, parents' CES-D score, parents' IADL score, and survey year indicators. Gender and education are TIC, whereas the others are TVC. This table shows the main results of Tables 2 and 4 after correcting for the number of comparisons using the Bonferroni procedure.

*Significance levels: *$*p < 0.05$, $**p < 0.01$, $***p < 0.001$.