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Does Gender Top Family Ties? Within-Couple and between-Sibling Sharing of Elderly Care

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DOES GENDER TOP FAMILY TIES?
WITHIN COUPLE AND BETWEEN SIBLING SHARING OF ELDERLY CARE
Matteo Luppi and Tiziana Nazio, *European Sociological Review*, 2019

Robustness checks, further models

Legend:

- Model 1: Interaction between gender of the parent and parental partnership status. Multilevel multinomial model, dependent variable in four frequency categories.
- Model 2: Weighted models. Multinomial model, dependent variable in four frequency categories, weighted on adult children, clustered standard errors.
- Model 3: Control for partner employment status. Multilevel multinomial model, dependent variable in four frequency categories.
- Models 4: Multilevel multinomial models, dependent variable in four categories, separated by gender of care provider (adult children). Model 4.1: female; model 4.2: male
- Model 5: Wave 6. Main model (multilevel multinomial model, dependent variable in four frequency categories) on wave 6 data only
- Models 6: Regimes. Multilevel multinomial model, dependent variable in four frequency categories separated by country regime: Nordic countries (6.1); Continental countries (6.2); Southern (6.3)
- Model 7: Dependent variable. Multilevel multinomial model, dependent variable in three frequency categories
- Model 8: Interaction between adult children's gender and frequency of care toward children/grandchildren. Multilevel multinomial model, dependent variable in four frequency categories.

Model 1: Interaction between gender of the parent and parent partnership status. Multilevel multinomial model, dependent variable in four frequency categories.

Categories (ref. none)		Daily (about)		Weekly (about)		Monthly (about)	
		β	<i>SE</i>	β	<i>SE</i>	β	<i>SE</i>
<i>Household – couple level</i>							
Household income quintile	3° quintile (r. c.)						
	1° quintile	-0.32	0.21	-0.53***	0.16	-0.39**	0.16
	2° quintile	-0.05	0.19	-0.22	0.14	-0.08	0.13
	4° quintile	0.14	0.18	-0.03	0.12	0.11	0.12
	5° quintile	0.25	0.18	0.10	0.12	0.19	0.11
Cohabit with partner	cohabitation (r. c.)						
	no cohabitation	1.10***	0.17	0.97***	0.12	1.05***	0.11
Presence of (grand)children	no (grand)children <14y (r. c.)						
	(grand)children <14y	-0.13	0.15	-0.12	0.09	-0.16**	0.09
<i>Adult children/partners</i>							
age (centred)		-0.01	0.01	-0.03***	0.01	-0.02**	0.01
age (squared)/100		-0.00*	0.00	-0.01***	0.00	-0.00***	0.00
Level of education	upper-secondary (r. c.)						
	up to lower-secondary	-0.16	0.13	-0.42***	0.09	-0.21**	0.09
	tertiary	0.27	0.14	0.02	0.09	0.35***	0.08
Current job situation	retired (r. c.)						
	employed (or self-)	-0.60***	0.17	-0.28**	0.12	0.05	0.11
	unemployed	0.76***	0.24	-0.17	0.21	-0.18	0.21
	permanently sick/disable	-1.02***	0.34	-0.86***	0.22	-0.76***	0.21
	homemaker	-0.06	0.20	-0.14	0.16	-0.02	0.17
	other	-0.93*	0.51	-1.24***	0.38	-0.08	0.27
Care for children and grandchildren	no care (r. c.)						
	about daily	0.45*	0.24	0.26	0.21	0.04	0.23
	about every week	0.08	0.20	0.52***	0.13	0.17	0.13
	about every month	0.24	0.24	0.46***	0.14	0.25**	0.12
	less often	0.03	0.25	0.02	0.15	0.49***	0.11
Sisters alive (female resp.)	no sister alive (r. c.)						
	at least one sister alive	-0.19	0.15	-0.21*	0.11	-0.09	0.10

Sisters alive (male resp.) only child	no sister alive (r. c.) at least one sister alive sibling(s) alive (r. c.) no sibling(s) alive	-0.47**	0.20	-0.09	0.13	-0.15	0.11
Gender	Female (r.c.) Male	-0.08	0.17	-0.09	0.11	-0.14	0.11
		-0.84***	0.17	-0.77	0.12	-0.18*	0.10
<i>Parent-dyad level</i>							
Self-perceived parent(s) health status	excellent/good (r. c.) fair poor don't know	0.94***	0.14	0.31***	0.08	0.10	0.07
		1.75***	0.15	0.74***	0.09	0.13	0.09
		-1.7	0.62	-1.74***	0.32	-1.58***	0.25
Age (centred)		0.06***	0.01	0.06***	0.01	0.03***	0.07
Relation gender parent(-in- law) partnership status	female-single (r. c.) male-single female-couple male-couple	-0.60***	0.19	-0.51***	0.12	-0.46***	0.11
		-0.38**	0.15	-0.51***	0.10	-0.18**	0.08
		-1.13***	0.17	-1.18***	0.11	-0.77***	0.09
Geographical distance	1-5 km (r. c.) >=25 km 5-25 km <1 Km/same building don't know	-2.84***	0.25	-1.93***	0.12	-0.50***	0.10
		-0.90***	0.17	-0.38***	0.10	-0.11	0.10
		1.33***	0.14	0.26**	0.10	0.32**	0.11
		-15.06	5587.6	-16.20	2906.5	-16.20	2632.83
Regime	Continental (r. c.) Nordic Southern	-0.54***	0.18	0.09	0.10	0.66***	0.08
		-0.92***	0.14	-1.21***	0.11	-1.50***	0.12

Model characteristics

n dyads: child-parent-relationship (level 1)	17011
n individuals: responding child (level 2)	10006
N households (level 3)	5706

*Note: Source. SHARE release 6.0.0. Own calculations. Sample weights are not used. Multinomial multilevel model. * P<0.10. ** P<0.05. ***P<0.01 (two-tailed tests)*

Model 2: weighted models. Multinomial model, dependent variable in four frequency categories, individual (2.1) and household (2.2) sampling weights.

Model 2.1 Individual sample weight clustering standard error at individual level

Categories (ref. none)		Daily (about)		Weekly (about)		Monthly (about)	
		β	SE	β	SE	β	SE
<i>Household – couple level</i>							
Household income quintile	3° quintile (r.c.)						
	1° quintile	0.17	0.28	-0.53**	0.21	-0.35	0.23
	2° quintile	0.06	0.28	-0.31	0.19	0.00	0.21
	4° quintile	0.34	0.33	0.14*	0.17	0.14	0.17
	5° quintile	-0.00	0.30	0.04	0.17	0.24	0.16
Cohabit with partner	cohabitation (r. c.)						
	no cohabitation	0.24	0.21	0.35**	0.16	0.69***	0.16
Presence of (grand)children	no (grand)children <14y (r. c)						
	(grand)children <14y	-0.09	0.26	-0.14	0.13	-0.25*	0.13
<i>Adult children/partners</i>							
age (centred)		-0.03	0.02	-0.03*	0.01	-0.02	0.01
age (squared)/100		0.00	0.00	-0.00	0.01	-0.00	0.00
Level of education	upper-secondary (r. c.)						
	up to lower-secondary	-0.29	0.26	-0.29**	0.14	0.00	0.14
	tertiary	0.26	0.27	-0.01	0.14	0.37***	0.12
Current job situation	retired (r. c.)						
	employed (or self-)	-0.54**	0.26	-0.32*	0.18	0.13	0.16
	unemployed	0.19	0.39	-0.76**	0.35	-0.60	0.32
	permanently sick/disable	-0.39	0.51	-1.17***	0.35	-1.09***	0.29
	homemaker	-0.06	0.32	-0.37	0.24	-0.00	0.25
	other	-2.98***	0.73	-0.23	0.64	0.47	0.44
Care for children and grandchildren	no care (r. c.)						
	about daily	-0.04	0.42	0.18	0.24	-0.45	0.47
	about every week	-0.13	0.30	0.55***	0.17	0.10	0.21
	about every month	-0.11	0.39	0.13	0.21	0.28*	0.17
	less often	0.17	0.49	-0.21	0.20	0.45***	0.15

Sisters alive (female resp.)	no sister alive (r. c.)						
	at least one sister alive	0.07	0.24	-0.25	0.16	0.11	0.16
Sisters alive (male resp.)	no sister alive (r. c.)						
	at least one sister alive	-0.10	0.33	0.24	0.20	-0.01	0.18
only child	sibling(s) alive (r. c.)						
	no sibling(s) alive	0.09	0.33	-0.19	0.16	-0.11	0.16
<hr/>							
<i>Parent-dyad level</i>							
Self-perceived parent(s) health status	excellent/good (r. c.)						
	fair	1.09***	0.27	0.42***	0.13	0.14	0.12
	poor	1.79***	0.25	0.77***	0.15	0.25*	0.13
	don't know	-0.88	0.70	-0.87*	0.48	-0.59	0.40
Age (centred)		0.06***	0.01	0.05***	0.01		
Relation parent(-in-law) adult child/partner	female-father (r. c.)						
	female-mother	0.75***	0.25	0.54***	0.17	0.48**	0.17
	female-mother-in-law	-0.82**	0.04	-0.92***	0.22	-0.53**	0.21
	female-father-in-law	-1.12*	0.64	-2.46***	0.42	-1.09**	0.37
	male-mother	0.19	0.38	-0.39*	0.23	0.43*	0.24
	male-father	0.09	0.45	-0.68**	0.27	0.41	0.26
	male-mother-in-law	-1.39***	0.42	-1.70***	0.29	-0.37	0.25
	male-father-in-law	-2.24***	0.70	-1.92***	0.36	-0.61	0.32
Geographical distance	1-5 km (r. c.)						
	>=25 km	-2.70***	0.39	-1.68***	0.17	-0.11	0.14
	5-25 km	-0.77**	0.33	-0.34**	0.15	0.16	0.16
	<1 Km/same building	1.01***	0.22	0.11	0.16	0.58***	0.17
	don't know	-18.79	0.77	-20.16***	0.58	-20.38***	0.56
Regime	Continental (r. c.)						
	Nordic	-0.60**	0.27	0.18	0.13	0.53***	0.10
	Southern	-0.37**	0.22	-0.95***	0.16	-1.09***	0.16
N of observations:		15496, weighted: 52782234					

*Note: Source. SHARE release 6.0.0. Own calculations. Sample weights used. Multinomial model. * P<0.10. ** P<0.05. ***P<0.01 (two-tailed tests)*

Model 2.2 Household sample weight clustering standard error at household level

Categories (ref. none)		Daily (about)		Weekly (about)		Monthly (about)	
		β	SE	β	SE	β	SE
<i>Household – couple level</i>							
Household income quintile	3° quintile (r.c.)						
	1° quintile	0.29	0.26	-0.53**	0.21	-0.42*	0.24
	2° quintile	0.14	0.26	-0.34**	0.19	-0.08	0.20
	4° quintile	0.49	0.31	0.19	0.17	0.13	0.17
	5° quintile	0.05	0.27	0.01	0.17	0.25	0.16
Cohabit with partner	cohabitation (r. c.)						
	no cohabitation	-0.01	0.30	0.34**	0.16	0.71***	0.16
Presence of (grand)children	no (grand)children <14y (r. c.)						
	(grand)children <14y	-0.11	0.23	-0.17	0.14	-0.18	0.13
<i>Adult children/partners</i>							
age (centred)		-0.03*	0.02	-0.03**	0.01	-0.01	0.01
age (squared)/100		0.00	0.00	-0.00	0.00	-0.01	0.01
Level of education	upper-secondary (r. c.)						
	up to lower-secondary	-0.20	0.26	-0.27*	0.14	-0.00	0.14
	tertiary	0.28	0.28	-0.03	0.14	0.38***	0.12
Current job situation	retired (r. c.)						
	employed (or self-)	-0.53**	0.25	-0.37**	0.19	0.14	0.16
	unemployed	0.28	0.39	-0.86**	0.33	-0.49	0.36
	permanently sick/disable	-0.64	0.51	-1.28***	0.33	-1.02***	0.28
	homemaker	-0.01	0.30	-0.36	0.24	0.08	0.23
	other	-2.75***	0.72	-0.41	0.64	0.40	1.00
Care for children and grandchildren	no care (r. c.)						
	about daily	0.06	0.39	0.13	0.24	-0.35	0.46
	about every week	-0.05	0.27	0.49***	0.17	0.04	0.20
	about every month	-0.20	0.37	0.11	0.22	0.26	0.17
	less often	0.22	0.52	-0.21	0.20	0.40**	0.15
Sisters alive (female resp.)	no sister alive (r. c.)						
	at least one sister alive	0.09	0.24	-0.27*	0.16	0.05	0.15

Sisters alive (male resp.) only child	no sister alive (r. c.) at least one sister alive sibling(s) alive (r. c.) no sibling(s) alive	-0.19 0.03	0.32 0.34	0.20 -0.25	0.21 0.17	-0.11 -0.13	0.18 0.16
Parent-dyad level							
Self-perceived parent(s) health status	excellent/good (r. c.) fair poor don't know	0.98*** 1.61*** 0.94	0.28 0.26 0.70	0.46*** 0.81*** -0.97**	0.13 0.15 0.44	0.15 0.31** -0.62	0.11 0.13 0.37
Age (centred)		0.07***	0.01	0.05***	0.01	0.03***	0.00
Relation parent(-in-law) adult child/partner	female-father (r. c.) female-mother female-mother-in-law female-father-in-law male-mother male-father male-mother-in-law male-father-in-law	0.71** -1.01** -1.14* 0.13 0.09 -1.40*** -3.12***	0.25 0.41 0.65 0.37 0.44 0.43 0.66	0.59*** -0.87*** -2.51*** -0.34 -0.64** -1.63*** -1.89***	0.17 0.22 0.42 0.23 0.27 0.30 0.38	0.53*** -0.48** -0.98*** 0.49** 0.47* -0.38 -0.53*	0.17 0.21 0.35 0.23 0.25 0.24 0.30
Geographical distance	1-5 km (r. c.) ≥25 km 5-25 km <1 Km/same building don't know	-2.79*** -0.97*** 0.87*** -2019***	0.39 0.33 0.22 0.77	-1.76*** -0.38** 0.08 -21.23***	0.18 0.15 0.16 0.56	-0.20 0.13 0.43** -21.58***	0.14 0.15 0.18 0.54
Regime	Continental (r. c.) Nordic Southern	-0.49* -0.42*	0.26 0.22	0.23* -0.90***	0.12 0.16	0.58*** -1.07***	0.10 0.15

Model characteristics

N of observations: 15496, weighted 15777467

Note: Source. SHARE release 6.0.0. Own calculations. Sample weights used. Multinomial model. * $P < 0.10$. ** $P < 0.05$.

*** $P < 0.01$ (two-tailed tests)

Model 3: control for partner employment status. Multilevel multinomial model, dependent variable in four frequency categories.

Categories (ref. none)		Daily (about)		Weekly (about)		Monthly (about)	
		β	SE	β	SE	β	SE
<i>Household – couple level</i>							
Household income quintile	3° quintile (r.c.)						
	1° quintile	-0.36	0.23	-0.57***	0.17	-0.40**	0.18
	2° quintile	-0.05	0.20	-0.24	0.15	-0.10	0.15
	4° quintile	0.11	0.19	-0.07	0.13	-0.08	0.13
	5° quintile	0.21	0.19	-0.06	0.13	0.14	0.13
Presence of (grand)children	no (grand)children <14y (r. c)						
	(grand)children <14y	-0.13	0.15	-0.14	0.10	-0.17*	0.09
<i>Adult children/partners</i>							
age (centred)		-0.01	0.15	-0.03**	0.01	-0.01	0.01
age (squared)/100		-0.00	0.00	-0.00**	0.00	-0.00***	0.00
Level of education	upper-secondary (r. c.)						
	up to lower-secondary	-0.15	0.14	-0.44***	0.10	-0.21**	0.10
	tertiary	0.38**	0.15	0.08	0.10	0.41***	0.08
Current job situation	retired (r. c.)						
	employed (or self-)	-0.61***	0.18	-0.27**	0.13	0.05	0.13
	unemployed	0.73**	0.26	-0.19	0.23	-0.23	0.23
	permanently sick/disable	-1.17***	0.36	-1.00***	0.24	-0.89***	0.23
	homemaker	-0.19	0.22	-0.26	0.18	-0.15	0.19
	other	-1.06**	0.54	-1.29***	0.40	-0.17	0.30
Current partner's job situation	retired (r. c.)						
	employed (or self-)	0.16	0.17	0.10	0.11	0.20*	0.11
	unemployed	0.18	0.32	0.24	0.25	-0.40	.25
	permanently sick/disable	0.01	0.35	-0.24	0.25	-0.04	0.22
	homemaker	-0.56*	0.30	-0.31	0.20	-0.37*	0.21
	other	-0.03	0.51	-0.78*	0.44	0.04	0.33
Care for children and grandchildren	single	0.46**	0.20	0.29**	0.15	0.60***	0.14
	no care (r. c.)						
	about daily	0.49*	0.26	0.30	0.23	0.10**	0.25

	about every week	0.20	0.21	0.60***	0.14	0.24*	0.14
	about every month	0.30	0.25	0.54***	0.15	0.32**	0.14
	less often	0.10	0.26	0.09	0.16	0.55***	0.12
Sisters alive (female resp.)	no sister alive (r. c.)						
	at least one sister alive	-0.20	0.16	-0.25**	0.12	-0.13	0.11
Sisters alive (male resp.)	no sister alive (r. c.)						
	at least one sister alive	-0.37*	0.21	-0.08	0.14	-0.15	0.12
only child	sibling(s) alive (r. c.)						
	no sibling(s) alive	-0.10	0.18	-0.09	0.13	-0.12	0.12
<i>Parent-dyad level</i>							
Self-perceived parent(s) health status	excellent/good (r. c.)						
	fair	1.01***	0.15	0.37***	0.09	0.14*	0.08
	poor	1.91***	0.16	0.88***	0.10	0.23**	0.09
	don't know	-0.84	0.63	-1.10***	0.33	-1.21***	0.27
Age (centred)		0.07***	0.01				
Partnership status	single (r. c.)						
	couple	-0.51***	0.14	-0.63***	0.09	-0.26***	0.08
Relation parent(-in-law) adult child/partner	female-father (r. c.)						
	female-mother	1.05***	0.18	0.88***	0.13	0.87***	0.12
	female-mother-in-law	-1.65***	0.26	-1.21***	0.16	-0.76***	0.14
	female-father-in-law	-2.76***	0.49	-2.41***	0.28	-1.80***	0.22
	male-mother	-0.14	0.25	-0.20	0.17	0.38**	0.15
	male-father	-0.18	0.30	-0.44**	0.20	0.26	0.17
	male-mother-in-law	-1.81***	0.31	-1.69***	0.20	-0.71***	0.17
	male-father-in-law	-3.47***	0.63	-2.21***	0.26	-1.18***	0.20
Geographical distance	1-5 km (r. c.)						
	>=25 km	-3.11***	0.26	-2.14***	0.12	-0.76***	0.11
	5-25 km	-0.98***	0.18	-0.45***	0.11	-0.18*	0.11
	<1 Km/same building	1.46***	0.15	-0.35***	0.11	0.39***	0.13
	don't know	-18.85	15990.6	-20.05	8350.54	-19.75	8427.88
Regime	Continental (r. c.)						
	Nordic	-0.53***	0.18	0.11	0.11	0.68***	0.10

Southern	-1.08***	0.15	-1.37***	0.12	-1.63***	0.13
Model characteristics						
n dyads: child-parent-relationship (level 1)	17011					
n individuals: responding child (level 2)	10006					
N households (level 3)	5706					

*Note: Source. SHARE release 6.0.0. Own calculations. Sample weights are not used. Multinomial multilevel model. * P<0.10. ** P<0.05. ***P<0.01 (two-tailed tests)*

Model 4: Multilevel multinomial models separated by adult children gender, dependent variable in four categories

Model 4.1 Gender: female.

Categories (ref. none)		Daily (about)		Weekly (about)		Monthly (about)	
		β	SE	β	SE	β	SE
<i>Household – couple level</i>							
Household income quintile	3° quintile (r.c.)						
	1° quintile	-0.20	0.25	-0.43*	0.22	-0.35	0.21
	2° quintile	0.10	0.23	-0.24	0.19	-0.26	0.18
	4° quintile	-0.02	0.22	-0.19	0.17	0.01	0.16
	5° quintile	0.21	0.22	0.10	0.17	0.14	0.15
Cohabit with partner	cohabitation (r. c.)						
	no cohabitation	-0.02	0.22	0.12	0.17	0.33**	0.15
Presence of (grand)children	no (grand)children <14y (r. c.)						
	(grand)children <14y	0.40**	0.19	-0.31**	0.15	-0.17	0.13
<i>Adult children/partners</i>							
age (centred)		-0.00	0.01	-0.02*	0.01	-0.00	0.01
age (squared)/100		-0.00	0.00	-0.00	0.00	-0.00*	0.00
Level of education	upper-secondary (r. c.)						
	up to lower-secondary	-0.10	0.17	-0.50***	0.14	-0.32**	0.13
	tertiary	0.33*	0.19	0.04	0.13	0.30**	0.12
Current job situation	retired (r. c.)						
	employed (or self-)	-0.45*	0.23	0.00	0.19	0.35*	0.18
	unemployed	0.64*	0.33	0.14	0.31	0.01	0.31
	permanently sick/disable	-1.65***	0.53	-0.81**	0.32	-0.72**	0.31
	homemaker	-0.33	0.24	-0.19	0.22	0.12	0.22
	other	-1.14*	0.67	-1.22**	0.51	-0.18	0.40
Care for children and grandchildren	no care (r. c.)						
	about daily	0.42	0.28	0.20	0.28	-0.18	0.32
	about every week	0.30	0.24	0.72***	0.18	0.18	0.18
	about every month	-0.01	0.35	0.74***	0.21	0.01	0.16
	less often	0.37	0.25	0.34	0.22	0.14	0.15
Sisters alive	no sister alive (r. c.)						

(female resp.) only child	at least one sister alive sibling(s) alive (r. c.)	-0.28*	0.17	-0.34**	0.13	-0.19	0.12
	no sibling(s) alive	-0.26	0.22	-0.19	0.17	-0.16	0.16
Parent-dyad level							
Self-perceived parent(s) health status	excellent/good (r. c.)						
	fair	1.09***	0.18	0.50***	0.18	0.21**	0.10
	poor	2.10***	0.20	1.02***	0.14	0.35**	0.12
	don't know	-1.06	1.04	1.05**	0.45	-1.24***	0.39
Age (centred)		0.06***	0.01	0.08***	0.01	0.05***	0.01
Partnership status	single (r. c.)						
	couple	-0.48**	0.17	-0.66***	0.12	-0.25**	0.10
Care to parent/in-law	mother (r. c.)						
	father	-0.95***	0.19	-0.90***	0.14	-0.84***	0.12
	mother-in-law	-2.60***	0.26	-2.19***	0.16	-1.55***	0.13
	father-in-law	-3.61***	0.52	-3.41***	0.30	-2.66***	0.23
Geographical distance	1-5 km (r. c.)						
	>=25 km	-3.46***	0.37	-2.28***	0.18	-0.64***	0.14
	5-25 km	-1.13***	0.22	-0.46***	0.14	-0.17	0.14
	<1 Km/same building	1.28***	0.18	0.19	0.15	0.21	0.16
	don't know	-18.18	28313.1	-21.13	18599.8	-20.19	16476.5
Regime	Continental (r. c.)						
	Nordic	-0.64**	0.23	0.09	0.14	0.74***	0.12
	Southern	-0.81***	0.18	-1.21***	0.16	-1.48***	0.17

Model characteristics

n dyads: child-parent-relationship (level 1)	8722
n individuals: responding child (level 2)	5040
N households (level 3)	2536

Note: Source. SHARE release 6.0.0. Own calculations. Sample weights are not used. Multinomial multilevel model. * $P < 0.10$. ** $P < 0.05$. *** $P < 0.01$ (two-tailed tests)

Model 4.2 Gender: male.

Categories (ref. none)		Daily (about)		Weekly (about)		Monthly (about)	
		β	SE	β	SE	β	SE
<i>Household – couple level</i>							
Household income quintile	3° quintile (r.c.)						
	1° quintile	-0.58	0.50	-0.79**	0.29	-0.39*	0.23
	2° quintile	-0.39	0.46	-0.20	0.23	0.13	0.18
	4° quintile	0.44	0.26	0.18	0.20	0.28*	0.15
	5° quintile	0.31	0.40	0.10	0.20	0.23	0.15
Cohabit with partner	cohabitation (r. c.)						
	no cohabitation	1.01**	0.42	0.67**	0.22	0.77***	0.16
Presence of (grand)children	no (grand)children <14y (r. c.)						
	(grand)children <14y	0.08	0.34	-0.05	0.17	-0.24*	0.13
<i>Adult children/partners</i>							
age (centred)		-0.05	0.03	-0.04**	0.02	-0.02**	0.01
age (squared)/100		0.00	0.00	-0.00	0.00	-0.00*	0.00
Level of education	upper-secondary (r. c.)						
	up to lower-secondary	-0.35	0.32	-0.52**	0.16	-0.22*	0.13
	tertiary	0.69**	0.33	0.16	0.16	0.50***	0.11
Current job situation	retired (r. c.)						
	employed (or self-)	-1.05**	0.39	-0.64**	0.20	-0.22	0.16
	unemployed	0.82	0.58	-0.88*	0.41	-0.38	0.30
	permanently sick/disable	-0.94	0.69	-1.29**	0.41	-0.91**	0.31
	homemaker	-20.41	27467.2	-0.15	0.87	-21.13	17459.5
	other	-1.56	1.24	-1.85**	0.80	-0.03	0.39
Care for children and grandchildren	no care (r. c.)						
	about daily	0.32	0.75	0.23	0.43	0.20	0.37
	about every week	0.24	0.50	0.58**	0.24	0.27	0.20
	about every month	0.99*	0.47	0.55**	0.24	0.41**	0.18
	less often	-0.04	0.55	-0.10	0.25	0.53***	0.16
Sisters alive (female resp.)	no sister alive (r. c.)						
	at least one sister alive	-0.41	0.32	-0.12	0.44	-0.19	0.12

only child	sibling(s) alive (r. c.)						
	no sibling(s) alive	-0.04	0.29	-0.14	0.21	-0.19	0.16
<i>Parent-dyad level</i>							
Self-perceived parent(s) health status	excellent/good (r. c.)						
	fair	1.05***	0.31	0.32**	0.14	0.13	0.10
	poor	1.91***	0.35	0.86***	0.16	0.13	0.12
	don't know	-0.91	0.97	-0.85**	0.47	-0.86**	0.33
Age (centred)		0.09***	0.02	0.06***	0.01		
Partnership status	single (r. c.)						
	couple	-0.64**	0.31	-0.54***	0.15	-0.21**	0.10
Care to parent/in-law	mother (r. c.)						
	father	-0.09	0.31	0.24	0.17	-0.08	0.12
	mother-in-law	-2.02***	0.33	-1.50***	0.17	-0.97***	0.12
	father-in-law	-3.95***	0.73	-2.03***	0.26	-1.39***	0.17
Geographical distance	1-5 km (r. c.)						
	>=25 km	-2.84***	0.50	-2.00***	0.21	-0.60***	0.13
	5-25 km	-0.78**	0.38	-0.44**	0.17	-0.13	0.13
	<1 Km/same building	2.11***	0.36	0.62***	0.18	0.49***	0.16
	don't know	-18.95	107733.2	-20.34	66621.5	-20.72	54363.9
Regime	Continental (r. c.)						
	Nordic	-0.43	0.36	0.12	0.16	0.53***	0.11
	Southern	-1.67***	0.36	-1.52***	0.20	-1.59***	0.17
Model characteristics							
n dyads: child-parent-relationship (level 1)		8289					
n individuals: responding child (level 2)		4963					
N households (level 3)		2978					

Note: Source. SHARE release 6.0.0. Own calculations. Sample weights are not used. Multinomial multilevel model. * $P < 0.10$. ** $P < 0.05$. *** $P < 0.01$ (two-tailed tests)

Model 5. Wave 6. Main model (multilevel multinomial model, dependent variable in four frequency categories) on wave 6 data only

Categories (ref. none)		Daily (about)		Weekly (about)		Monthly (about)	
		β	SE	β	SE	β	SE
<i>Household – couple level</i>							
Household income quintile	3° quintile (r.c.)						
	1° quintile	-0.96***	0.33	-0.62**	0.25	-0.57**	0.25
	2° quintile	-0.48*	0.28	-0.38*	0.20	-0.21	0.20
	4° quintile	0.07	0.24	-0.07	0.18	0.21	0.17
	5° quintile	0.03	0.24	0.28	0.17	0.45**	0.17
Cohabit with partner	cohabitation (r. c.)						
	no cohabitation	0.35	0.25	0.39**	0.17	0.71***	0.16
Presence of (grand)children	no (grand)children <14y (r. c.)						
	(grand)children <14y	-0.07	0.22	-0.24*	0.14	-0.15	0.13
<i>Adult children/partners</i>							
age (centred)		-0.02	0.02	-0.04***	0.01	-0.02	0.01
age (squared)/100		-0.00	0.00	-0.00**	0.00	-0.00***	0.00
Level of education	upper-secondary (r. c.)						
	up to lower-secondary	-0.02	0.20	-0.48***	0.14	-0.44***	0.14
	tertiary	0.57**	0.20	0.16	0.13	0.39***	0.12
Current job situation	retired (r. c.)						
	employed (or self-)	-0.84***	0.25	-0.42**	0.18	-0.15	0.17
	unemployed	1.03***	0.35	-0.17	0.32	-0.40	0.32
	permanently sick/disable	-1.53***	0.52	-1.07***	0.33	-1.24***	0.33
	homemaker	-0.50	0.33	-0.08	0.26	0.14	0.28
	other	-0.85	0.64	-0.98*	0.50	-0.30	0.43
Care for children and grandchildren	no care (r. c.)						
	about daily	0.24	0.45	0.38	0.33	0.34	0.35
	about every week	0.16	0.30	0.83***	0.19	0.35*	0.19
	about every month	-0.01	0.37	0.47**	0.22	0.34*	0.19
	less often	-0.05	0.39	0.08	0.22	0.57***	0.17
Sisters alive (female resp.)	no sister alive (r. c.)						
	at least one sister alive	-0.21	0.22	-0.40**	0.15	-0.20	0.14

Sisters alive (male resp.) only child	no sister alive (r. c.) at least one sister alive sibling(s) alive (r. c.) no sibling(s) alive	-0.14 0.10	0.28 0.24	-0.02 0.04	0.18 0.17	-0.19 -0.18	0.16 0.16
<i>Parent-dyad level</i>							
Self-perceived parent(s) health status	excellent/good (r. c.) fair poor don't know	1.27*** 1.99*** -19.75	0.20 0.21 6764.5	0.40*** 0.83*** -21.20	0.12 0.13 5605.7	0.20* 0.12 -3.18***	0.10 0.13 0.66
Age (centred)		0.09***	0.02	0.09***	0.01		
Partnership status	single (r. c.) couple	-0.22	0.18	-0.46***	0.12	0.03	0.10
Relation parent(-in-law) adult child/partner	female-father (r. c.) female-mother female-mother-in-law female-father-in-law male-mother male-father male-mother-in-law male-father-in-law	1.39*** -1.53*** -2.15*** -0.13 -0.08 -2.12*** -3.08***	0.25 0.36 0.58 0.35 0.38 0.44 0.68	1.13*** -1.21*** -2.20*** -0.24 -0.44* -1.72*** -1.82***	0.17 0.21 0.35 0.23 0.26 0.26 0.31	0.94*** -0.86*** -1.67*** 0.25 0.15 -0.79*** -1.01***	0.15 0.19 0.27 0.21 0.23 0.22 0.25
Geographical distance	1-5 km (r. c.) >=25 km 5-25 km <1 Km/same building	-3.71*** -0.95*** 1.58***	0.42 0.23 0.20	-2.18*** -0.60*** 0.56***	0.17 0.14 0.15	-0.57*** -0.22 0.50***	0.14 0.14 0.17
Regime	Continental (r. c.) Nordic Southern	-0.65** -1.40***	0.26 0.21	0.20 -1.66***	0.14 0.16	0.92*** -1.90***	0.13 0.17
n dyads: child-parent-relationship (level 1)		10797					
n individuals: responding child (level 2)		6020					
N households (level 3)		3442					

Note: Source. SHARE release 6.0.0. Own calculations. Sample weights are not used. Multinomial multilevel model. * $P < 0.10$. ** $P < 0.05$. *** $P < 0.01$ (two-tailed tests)

Model 6: Multilevel multinomial model, dependent variable in four frequency categories separated by country regimes.

Model 6.1 Nordic countries

Categories (ref. none)		Daily (about)		Weekly (about)		Monthly (about)	
		β	SE	β	SE	β	SE
<i>Household – couple level</i>							
Household income quintile	3° quintile (r.c.)						
	1° quintile	-0.91	1.24	-0.25	0.48	-0.26	0.39
	2° quintile	-0.15	0.81	0.12	0.33	-0.14	0.28
	4° quintile	0.70	0.55	-0.11	0.26	0.08	0.22
	5° quintile	0.59	0.57	-0.19	0.26	0.04	0.21
Cohabit with partner	cohabitation (r. c.)						
	no cohabitation	-0.02	0.47	0.11	0.23	0.31	0.19
Presence of (grand)children	no (grand)children <14y (r. c.)						
	(grand)children <14y	0.08	0.37	0.00	0.17	-0.07	0.13
<i>Adult children/partners</i>							
age (centred)		0.01	0.04	-0.01	0.01	-0.00	0.01
age (squared)/100		0.00	0.00	-0.00**	0.00	-0.00**	0.00
Level of education	upper-secondary (r. c.)						
	up to lower-secondary	-0.84*	0.48	-0.42**	0.20	-0.31*	0.16
	tertiary	0.48	0.33	0.16	0.16	0.35***	0.12
Current job situation	retired (r. c.)						
	employed (or self-)	-0.66	0.49	-0.09	0.25	0.08	0.20
	unemployed	-21.76	31769.2	-0.33	0.48	-0.09	0.35
	permanently sick/disable	-0.63	0.88	-0.25	0.40	-0.12	0.32
	homemaker	0.01	1.29	0.16	0.67	-0.47	0.63
	other	-1.09	1.19	-1.36*	0.73	-0.17	0.48
Care for children and grandchildren	no care (r. c.)						
	about daily	0.90	1.15	0.91	0.67	1.28**	0.49
	about every week	-0.29	0.56	0.47*	0.24	0.06	0.20
	about every month	0.18	0.43	0.26	0.21	0.00	0.17
	less often	-0.94	0.66	0.21	0.23	0.40**	0.16
Sisters alive	no sister alive (r. c.)						

(female resp.)	at least one sister alive	0.05	0.42	-0.22	0.20	-0.26	0.15
Sisters alive	no sister alive (r. c.)						
(male resp.)	at least one sister alive	-0.15	0.51	-0.12	0.24	-0.16	0.17
only child	sibling(s) alive (r. c.)						
	no sibling(s) alive	-0.05	0.52	0.16	0.25	-0.08	0.19
Parent-dyad level							
Self-perceived parent(s)	excellent/good (r. c.)						
health status	fair	1.31***	0.44	0.34**	0.17	0.11	0.12
	poor	2.08***	0.43	0.93***	0.17	-0.35	0.14
	don't know	-20.10	27197.7	-0.22	0.47	-1.43	0.42
Age (centred)		0.05*	0.03	0.08***	0.01	0.04***	0.01
Partnership status	single (r. c.)						
	couple	-1.68***	0.48	-0.89***	0.18	-0.47***	0.12
Relation parent(-in-law)	female-father (r. c.)						
adult child/partner	female-mother	1.35**	0.58	1.01***	0.24	0.84***	0.18
	female-mother-in-law	-2.01**	0.91	-1.10***	0.29	-0.77***	0.21
	female-father-in-law	-21.51	20949.6	-2.10***	0.49	-1.74***	0.32
	male-mother	-0.01	0.77	0.04	0.31	0.18	0.23
	male-father	0.99	0.79	-0.25	0.36	0.04	0.26
	male-mother-in-law	-0.83	0.80	-1.88***	0.38	-0.85***	0.25
	male-father-in-law	-21.7	18458.7	-2.61***	0.55	-1.45***	0.30
Geographical distance	1-5 km (r. c.)						
	>=25 km	-3.27***	0.54	-2.30***	0.21	-0.89***	0.16
	5-25 km	-0.72*	0.39	-0.45**	.20	-0.44**	0.17
	<1 Km/same building	0.86**	0.41	0.06	0.24	-0.10	0.22
	don't know	-3.70	163384.3	-24.40	56896.9	-22.77	46021.8
n dyads: child-parent-relationship (level 1)		4760					
n individuals: responding child (level 2)		2776					
N households (level 3)		1583					

Note: Source. SHARE release 6.0.0. Own calculations. Sample weights are not used. Multinomial multilevel model. * $P < 0.10$. ** $P < 0.05$. *** $P < 0.01$ (two-tailed tests)

Model 6.2 Continental countries

Categories (ref. none)		Daily (about)		Weekly (about)		Monthly (about)	
		β	SE	β	SE	β	SE
<i>Household – couple level</i>							
Household income quintile	3° quintile (r.c.)						
	1° quintile	-0.52	0.32	-0.59**	0.23	-0.36	0.22
	2° quintile	0.20	0.29	-0.18	0.20	0.04	0.20
	4° quintile	0.23	0.29	-0.03	0.19	0.21	0.19
	5° quintile	0.36	0.30	0.23	0.19	0.41**	0.18
Cohabit with partner	cohabitation (r. c.)						
	no cohabitation	0.48*	0.26	0.38**	0.18	0.61***	0.17
Presence of (grand)children	no (grand)children <14y (r. c.)						
	(grand)children <14y	-0.22	0.23	-0.09	0.15	-0.15	0.15
<i>Adult children/partners</i>							
age (centred)		-0.01	0.22	-0.03**	0.01	-0.00	0.01
age (squared)/100		-0.00	0.00	-0.00*	0.00	-0.00**	0.00
Level of education	upper-secondary (r. c.)						
	up to lower-secondary	-0.15	0.21	-0.51***	0.15	-0.14	0.14
	tertiary	0.47**	0.22	0.07	0.13	0.47***	0.13
Current job situation	retired (r. c.)						
	employed (or self-)	-0.35	0.28	-0.19	0.18	0.28	0.18
	unemployed	1.05**	0.39	-0.14	0.32	-0.28	0.34
	permanently sick/disable	-0.68	0.45	-0.95***	0.32	-1.09***	0.35
	homemaker	0.58*	0.33	0.08	0.24	0.16	0.26
	other	-0.00	0.65	-1.28**	0.61	0.49	0.40
Care for children and grandchildren	no care (r. c.)						
	about daily	.044	0.41	0.17	0.32	-0.23	0.38
	about every week	0.14	0.28	0.54***	0.19	0.15	0.20
	about every month	0.07	0.38	0.67***	0.23	0.52**	0.22
	less often	0.31	0.32	-0.11	0.24	0.66***	0.19
Sisters alive	no sister alive (r. c.)						

(female resp.)	at least one sister alive	-0.40	0.25	-0.13	0.18	0.14	0.18
Sisters alive	no sister alive (r. c.)						
(male resp.)	at least one sister alive	-0.12	0.31	0.10	0.20	0.06	0.18
only child	sibling(s) alive (r. c.)						
	no sibling(s) alive	-0.17	0.26	-0.05	0.18	0.09	0.18
<i>Parent-dyad level</i>							
Self-perceived parent(s)	excellent/good (r. c.)						
health status	fair	0.63***	0.21	0.19	0.13	0.07	0.12
	poor	1.21***	0.23	0.54***	0.15	0.25*	0.14
	don't know	-1.79*	0.02	-2.04***	0.56	-1.20***	0.01
Age (centred)		0.08***	0.01	0.07***	0.01	0.03***	0.01
Partnership status	single (r. c.)						
	couple	-0.62***	0.21	-0.59***	0.13	-0.31**	0.12
Relation parent(-in-law)	female-father (r. c.)						
adult child/partner	female-mother	1.29***	0.30	0.70***	0.18	0.95***	0.19
	female-mother-in-law	-1.43***	0.41	-1.34***	0.23	-0.50**	0.22
	female-father-in-law	-2.24***	0.67	-2.49***	0.40	-1.53***	0.35
	male-mother	0.18	0.39	-0.31	0.25	0.64**	0.24
	male-father	-0.19	0.46	-0.74**	0.29	0.50*	0.26
	male-mother-in-law	-1.79***	0.50	-1.66***	0.28	-0.50*	0.26
	male-father-in-law	-3.64***	1.08	-2.21***	0.36	-0.85**	0.32
Geographical distance	1-5 km (r. c.)						
	>=25 km	-3.24***	0.38	-2.21***	0.18	-0.60***	0.16
	5-25 km	-0.90***	0.25	-0.36**	0.15	-0.07	0.16
	<1 Km/same building	1.76***	0.23	0.44**	0.18	0.53**	0.19
	don't know	-14.94	15724.4	-15.86	8279.1	-16,50	9190.5
n dyads: child-parent-relationship (level 1)		6938					
n individuals: responding child (level 2)		3962					
N households (level 3)		2293					

Note: Source. SHARE release 6.0.0. Own calculations. Sample weights are not used. Multinomial multilevel model. * $P < 0.10$. ** $P < 0.05$. *** $P < 0.01$ (two-tailed tests)

Model 6.3 Southern countries

Categories (ref. none)		Daily (about)		Weekly (about)		Monthly (about)	
		β	SE	β	SE	β	SE
<i>Household – couple level</i>							
Household income quintile	3° quintile (r.c.)						
	1° quintile	-0.54	0.41	-0.84**	0.41	-0.75	0.48
	2° quintile	-0.63	0.39	-0.81**	0.37	-0.65	0.40
	4° quintile	-0.18	0.36	-0.09	0.32	-0.17	0.36
	5° quintile	0.29	0.35	0.44	0.31	0.14	0.35
Cohabit with partner	cohabitation (r. c.)						
	no cohabitation	0.50	0.40	0.29	0.36	0.99**	0.38
Presence of (grand)children	no (grand)children <14y (r. c.)						
	(grand)children <14y	-0.21	0.32	-0.60*	0.30	-1.01**	0.42
<i>Adult children/partners</i>							
age (centred)		-0.03	0.02	-0.04*	0.02	-0.09***	0.03
age (squared)/100		-0.00	0.00	-0.00	0.00	-0.00**	0.00
Level of education	upper-secondary (r. c.)						
	up to lower-secondary	0.02	0.26	-0.28	0.23	-0.22	0.26
	tertiary	0.40	0.36	-0.01	0.30	0.46	0.32
Current job situation	retired (r. c.)						
	employed (or self-)	-1.34***	0.34	-0.75**	0.30	-0.43	0.36
	unemployed	0.91*	0.47	0.23	0.49	-0.12	0.61
	permanently sick/disable	-4.23***	1.34	-3.56***	1.24	-21.40	12463.6
	homemaker	-1.03**	0.37	-0.70**	0.34	-0.04	0.43
	other	-21.04	11298.5	-0.94	0.85	-21.2	13603.5
Care for children and grandchildren	no care (r. c.)						
	about daily	0.59	0.43	0.65	0.43	0.36	0.63
	about every week	0.86*	0.49	1.12**	0.43	1.63***	0.51
	about every month	1.28*	0.75	1.35*	0.71	2.33***	0.74
	less often	0.55	0.85	0.52	0.73	0.06	0.92
Sisters alive (female resp.)	no sister alive (r. c.)						
	at least one sister alive	-0.10	0.29	-0.48*	0.26	-0.35	0.31

Sisters alive (male resp.) only child	no sister alive (r. c.) at least one sister alive sibling(s) alive (r. c.) no sibling(s) alive	-1.06**	0.41	-0.79**	0.33	-0.23	0.35
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Parent-dyad level							
Self-perceived parent(s) health status	excellent/good (r. c.) fair poor don't know	1.87***	0.32	0.96***	0.23	0.37	0.24
		3.27***	0.34	1.77***	0.27	0.85**	0.30
		0.71	0.94	-0.53	0.88	-0.36	0.78
Age (centred)							
Partnership status	single (r. c.) couple	0.07	0.24	-0.32	0.22	0.49**	0.04
Relation parent(-in-law) adult child/partner	female-father (r. c.) female-mother female-mother-in-law female-father-in-law male-mother male-father male-mother-in-law male-father-in-law	0.96***	0.30	1.20***	0.29	0.86**	0.33
		-1.97***	0.41	-1.10***	0.36	-0.59	0.41
		-3.43***	0.83	-2.74***	0.71	-2.49***	0.81
		-0.87**	0.44	-0.53	0.40	0.21	0.46
		-0.65	0.51	-0.19	0.45	0.28	0.50
		-2.71***	0.55	-1.75***	0.46	-0.78	0.51
		-3.73***	0.86	-2.02***	0.57	-1.20**	0.60
Geographical distance	1-5 km (r. c.) >=25 km 5-25 km <1 Km/same building don't know	-2.37***	0.51	-1.38***	0.33	-0.17	0.37
		-1.07**	0.40	-0.77**	0.30	0.47	0.34
		1.65***	0.29	0.57**	0.24	1.00***	0.30
		-	-	-	-	-	-
<hr/>							
Model characteristics							
n dyads: child-parent-relationship (level 1)		5313					
n individuals: responding child (level 2)		2995					
N households (level 3)		1638					

Note: Source. SHARE release 6.0.0. Own calculations. Sample weights are not used. Multinomial multilevel model. * $P < 0.10$. ** $P < 0.05$. *** $P < 0.01$ (two-tailed tests)

Model 7: Dependent variable. Multilevel multinomial model, dependent variable in three frequency categories

Categories (ref. less than weekly)		Daily (about)		Weekly (about)	
		β	<i>SE</i>	β	<i>SE</i>
<i>Household – couple level</i>					
Household income quintile	3° quintile (r.c.)				
	1° quintile	-0.33	0.24	-0.53**	0.19
	2° quintile	-0.07	0.22	-0.26	0.17
	4° quintile	0.07	0.20	-0.08	0.15
	5° quintile	0.22	0.20	0.09	0.15
Cohabit with partner	cohabitation (r. c.)				
	no cohabitation	0.21	.019	0.16	0.14
Presence of (grand)children	no (grand)children <14y (r. c.)				
	(grand)children <14y	-0.12	0.15	-0.08	0.10
<i>Adult children/partners</i>					
age (centred)		-0.01	0.01	-0.02**	0.0.1
age (squared)/100		-0.00	0.00	-0.0*	0.00
Level of education	upper-secondary (r. c.)				
	up to lower-secondary	-0.21	0.15	-0.46**	0.11
	tertiary	0.20	0.16	-0.09	0.10
Current job situation	retired (r. c.)				
	employed (or self-)	-0.72***	0.19	-0.36**	0.14
	unemployed	0.81***	0.27	-0.11	0.24
	permanently sick/disable	-1.15***	0.37	-0.89***	0.25
	homemaker	-0.05	0.22	-0.16	0.18
	other	-1.26**	0.57	-1.48***	0.44
Care for children and grandchildren	no care/monthly/less often(r. c.)				
	about daily	0.42	0.27	0.23	0.23
	about every week	0.10	0.21	0.48***	0.14
Sisters alive (female resp.)	no sister alive (r. c.)				
	at least one sister alive	-0.21	0.17	-0.26**	0.12
Sisters alive (male resp.)	no sister alive (r. c.)				
	at least one sister alive	-0.40*	0.22	-0.08	0.15

only child	sibling(s) alive (r. c.)				
	no sibling(s) alive	-0.08	0.19	-0.07	0.14
<i>Parent-dyad level</i>					
Self-perceived parent(s) health status	excellent/good (r. c.)				
	fair	1.06***	0.16	0.40***	0.10
	poor	2.04***	0.16	0.98***	0.11
	don't know	-0.69	0.65	-0.93**	0.35
Age (centred)					
Partnership status	single (r. c.)				
	couple	-0.52***	0.15	-0.63***	0.11
Relation parent(-in-law) adult child/partner	female-father (r. c.)				
	female-mother	0.91***	0.19	0.72***	0.13
	female-mother-in-law	-1.69***	0.27	-1.23***	0.17
	female-father-in-law	-2.76***	0.50	-2.39***	0.30
	male-mother	-0.34	0.26	-0.42**	0.18
	male-father	-0.38	0.30	-0.68***	0.21
	male-mother-in-law	-2.00	0.32	-1.81***	0.21
	male-father-in-law	-3.57***	0.64	-2.28***	0.27
Geographical distance	1-5 km (r. c.)				
	>=25 km	-3.26***	0.27	-2.28***	0.14
	5-25 km	-0.96***	0.19	-0.43***	0.12
	<1 Km/same building	1.51***	0.15	0.39***	0.13
	don't know	-14.09	6345.5	-13.56	5587.3
Regime	Continental (r. c.)				
	Nordic	-0.82***	0.19	-0.12	0.12
	Southern	-0.96***	0.16	-1.23***	0.13
n dyads: child-parent-relationship (level 1)		17011			
n individuals: responding child (level 2)		10006			
N households (level 3)		5706			

Note: Source. SHARE release 6.0.0. Own calculations. Sample weights are not used. Multinomial multilevel model.

** P<0.10. ** P<0.05. ***P<0.01 (two-tailed tests)*

Model 8: Interaction between adult children's gender and frequency of care toward children/grandchildren. Multilevel multinomial model, dependent variable in four frequency categories.

Categories (ref. none)		Daily (about)		Weekly (about)		Monthly (about)	
		β	SE	β	SE	β	SE
<i>Household – couple level</i>							
Household income quintile	3° quintile (r.c.)						
	1° quintile	-0.42*	0.22	-0.62***	.017	-0.45**	0.17
	2° quintile	-0.10	0.20	-0.27*	0.15	-0.13	0.15
	4° quintile	0.14	0.19	-0.03	0.14	0.14	0.13
	5° quintile	0.28	0.19	0.14	0.13	0.24*	0.12
Cohabit with partner	cohabitation (r. c.)						
	no cohabitation	0.40*	0.18	0.37	0.13	0.58***	0.12
Presence of (grand)children	no (grand)children <14y (r. c.)						
	(grand)children <14y	-0.13	0.16	-0.14	0.10	-0.17*	0.10
<i>Adult children/partners</i>							
age (centred)		-0.01	0.01	-0.02**	0.01	-0.01	0.01
age (squared)/100		-0.00	0.00	-0.00***	0.00	-0.00**	0.00
Level of education	upper-secondary (r. c.)						
	up to lower-secondary	-0.14	0.15	-0.44***	0.10	-0.22*	0.10
	tertiary	0.36*	0.16	0.07	0.10	0.41***	0.09
Current job situation	retired (r. c.)						
	employed (or self-)	-0.63***	0.18	-0.30**	0.13	0.04	0.13
	unemployed	0.84***	0.26	-0.12	0.23	-0.13	0.22
	permanently sick/disable	-1.15***	0.36	-0.97***	0.24	-0.85***	0.23
	homemaker	-0.06	0.22	-0.12	0.17	0.02	0.19
	other	-1.00	0.53	-1.29***	0.40	-0.10	0.30
Interaction gender#care for children and grandchildren	female#no care (r. c.)						
	female#about daily	0.44	0.29	0.22	0.26	-0.06	0.32
	female#about every week	0.13	0.24	0.56***	0.16	0.20	0.17
	female#about every month	-0.26	0.35	0.49***	0.19	0.30*	0.18
	female#less often	0.12	0.32	0.17	0.20	0.57***	0.17
	male#no care	-0.89***	0.19	-0.76***	0.14	-0.15	0.12

	male#about daily	-0.38	0.54	-0.28	0.41	0.21	0.40
	male#about every week	-0.65	0.40	-0.12	0.24	0.08	0.23
	male#about every month	0.13	0.35	-0.18	0.24	0.17	0.21
	male#less often	-0.76*	0.45	-0.78***	0.26	0.36*	0.19
Sisters alive (female resp.)	no sister alive (r. c.)						
	at least one sister alive	-0.20	0.16	-0.24**	0.11	-0.12	0.11
Sisters alive (male resp.)	no sister alive (r. c.)						
	at least one sister alive	-0.41*	0.21	-0.08	0.14	-0.15	0.12
only child	sibling(s) alive (r. c.)						
	no sibling(s) alive	-0.09	0.18	-0.08	0.13	-0.12	0.12
<i>Parent-dyad level</i>							
Self-perceived parent(s) health status	excellent/good (r. c.)						
	fair	1.01***	0.15	0.37***	0.09	0.14*	0.08
	poor	1.90***	0.16	0.88***	0.10	0.23**	0.10
	don't know	-0.81	0.63	-1.10***	0.32	-1.20***	0.27
Age (centred)		0.07***	0.01	0.06***		0.04***	0.01
Partnership status	single (r. c.)						
	couple	-0.51***	0.14	-0.61***	0.09	-0.25***	0.08
Parent(in-law)	father (r. c.)						
	mother	0.68***	0.15	0.62***	0.10	0.53***	0.09
	mother-in-law	-1.59***	0.20	-1.19***	0.12	-0.79***	0.11
	father-in-law	-2.89***	0.39	-2.03***	0.18	-1.51***	0.14
Geographical distance	1-5 km (r. c.)						
	>=25 km	-3.07***	0.26	-2.12***	0.13	-0.66***	0.11
	5-25 km	-0.97***	0.18	-0.44***	0.11	-0.17	0.11
	<1 Km/same building	1.45***	0.15	0.34	0.12	0.38***	0.13
	don't know	-18.55	16233.8	-19.87	7934.3	-19.57	7767.2
Regime	Continental (r. c.)						
	Nordic	-0.51***	0.19	0.13	0.11	0.70***	0.10
	Southern	-1.13***	0.16	-1.39***	0.12	-1.67***	0.13
Model characteristics							
n dyads: child-parent-relationship (level 1)		17011					

n individuals: responding child (level 2) 10006

N households (level 3) 5706

*Note: Source. SHARE release 6.0.0. Own calculations. Sample weights are not used. Multinomial multilevel model. * $P < 0.10$. ** $P < 0.05$. *** $P < 0.01$ (two-tailed tests)*