

## Appendix.

**Table A1. Descriptive statistics of sample by care arrangement before limiting sample, person-years.**

	No care		<500hours, nonresidential care		499>hours, nonresidential care		Any care, multigenerational HH		Any care, skipped- generation HH	
	Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD
Mental Health (0-8)	6.47	2.01	6.87	1.75	6.84	1.75	5.99	2.27	6.05	2.26
Women (%)	58.89		56.68		58.25		65.92		62.94	
Social Engagement (0-4)	1.51	0.92	1.80	0.87	1.84	0.87	1.35	0.90	1.51	0.91
Sees Kids Weekly	2.90		2.46		2.98		0.00		1.93	
Working (%)	28.91		31.93		32.25		38.05		28.97	
Any dependents (%)	12.55		4.02		6.78		35.47		41.87	
Self-reported health	2.09	1.12	2.40	1.03	2.31	1.03	1.82	1.10	1.91	1.10
ADLS (0-5)	0.41	1.04	0.15	0.58	0.17	0.60	0.39	0.93	0.43	1.00
IADLS (0-3)	0.19	0.60	0.06	0.31	0.06	0.28	0.14	0.48	0.15	0.49
Health Conditions (0-8)	2.04	1.48	1.84	1.34	1.86	1.37	2.12	1.55	2.24	1.54
Household Income (\$)	61822.85	225957.30	78203.61	94643.31	91527.92	689551.80	44300.99	59447.02	49593.57	55526.22
Age at first wave (years)	67.74	11.49	65.22	7.86	64.54	7.67	61.90	8.74	65.01	8.60
N	97,369		4,880		2,788		1,737		1,298	

Notes: Units of analysis are person-years. Descriptive statistics here show person-years before limiting the sample to grandparents without missing values and who are observed only once. Statistics are shown by care arrangement in the previous two years: No grandchild care provided; Less than 500 hours of nonresidential care (in which the grandchild does not reside with the grandparent); More than 500 hours of residential care; Any amount of care in a multigenerational household (in which the grandparent lives with both their child and grandchild); and Any amount of residential care in a skipped-generation household (in which the grandparent lives with only the grandchild).

**Table A2. Descriptive statistics of sample by care arrangement, individuals.**

	No care		<500hours, nonresidential care		499>hours, nonresidential care		Any care, multigenerational HH		Any care, skipped- generation HH	
	Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD
Mental Health (0-8)	6.41	2.03	6.78	1.83	6.62	1.86	5.98	2.12	5.72	2.39
Women (%)	60.12		57.97		61.74		66.56		61.32	
Social Engagement (0-4)	1.60	0.89	1.82	0.88	1.84	0.90	1.51	0.94	1.54	0.90
Sees Kids Weekly (%)	2.51		4.76		6.25		0.00		2.83	
Working (%)	34.81		38.28		42.53		55.52		42.92	
Any dependents (%)	13.13		5.04		10.98		44.81		50.47	
Self-reported health (0-4)	2.16	1.11	2.44	1.06	2.28	1.08	1.87	1.10	1.88	1.07
ADLS (0-5)	0.26	0.76	0.14	0.55	0.16	0.56	0.39	0.86	0.50	1.14
IADLS (0-3)	0.08	0.35	0.04	0.21	0.05	0.23	0.12	0.43	0.17	0.51
Health Conditions (0-8)	1.71	1.35	1.50	1.22	1.69	1.35	1.64	1.42	2.02	1.54
Household Income (\$)	55,539.08	77,844.02	77,389.38	98,886.39	62,174.30	62,145.70	47,856.73	50,544.16	51,390.33	57,600.54
Age at first wave (years)	64.30	10.57	62.68	8.38	61.25	7.91	56.19	6.93	60.20	8.20
N	16,115		1,092		656		308		212	

Notes: Units of analysis are individuals. Descriptive statistics reflect measures at individuals' first observation.

**Table A3. Multivariate fixed effects models predicting mental health values for all grandparents, grandmothers, and grandfathers, all covariates.**

	All		Women		Men	
	(1)	(2)	(3)	(4)	(5)	(6)
<500hours care, nonresidential	0.041+	0.041+	0.041	0.041	0.04	0.041
	(0.02)	(0.02)	(0.03)	(0.03)	(0.03)	(0.03)
499>hours, nonresidential	0.062*	0.062*	0.075+	0.075+	0.04	0.039
	(0.03)	(0.03)	(0.04)	(0.04)	(0.04)	(0.04)
Any care, multigenerational HH	-0.029	-0.03	-0.036	-0.036	-0.008	-0.01
	(0.05)	(0.05)	(0.07)	(0.07)	(0.08)	(0.08)
Any care, skipped-generation HH	-0.146*	-0.145*	-0.106	-0.103	-0.221*	-0.223*
	(0.06)	(0.06)	(0.08)	(0.08)	(0.09)	(0.09)
Social Engagement	0.126***	0.126***	0.125***	0.125***	0.129***	0.129***
	(0.01)	(0.01)	(0.01)	(0.01)	(0.02)	(0.02)
Social Engagement * Any care, skipped-generation HH		0.315*		0.306+		0.342
		(0.14)		(0.16)		(0.24)
Sees Kids Weekly	0.027	0.026	0.037	0.036	0.003	0.003
	(0.05)	(0.05)	(0.07)	(0.07)	(0.09)	(0.09)
Working	0.080***	0.079***	0.089**	0.088**	0.061+	0.061+
	(0.02)	(0.02)	(0.03)	(0.03)	(0.03)	(0.03)
Any Dependents	-0.048+	-0.048+	-0.056	-0.057	-0.033	-0.033
	(0.03)	(0.03)	(0.03)	(0.03)	(0.04)	(0.04)
Self-Reported Health	0.266***	0.266***	0.304***	0.304***	0.208***	0.208***
	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)
ADLs	-0.245***	-0.245***	-0.231***	-0.231***	-0.270***	-0.270***
	(0.01)	(0.01)	(0.02)	(0.02)	(0.02)	(0.02)
IADLS	-0.164***	-0.164***	-0.147***	-0.147***	-0.193***	-0.193***
	(0.02)	(0.02)	(0.03)	(0.03)	(0.04)	(0.04)
Chronic Health Conditions	-0.072***	-0.072***	-0.056**	-0.056**	-0.093***	-0.093***
	(0.01)	(0.01)	(0.02)	(0.02)	(0.02)	(0.02)
Income (Logged)	0.054***	0.054***	0.060***	0.060***	0.044**	0.044**
	(0.01)	(0.01)	(0.01)	(0.01)	(0.02)	(0.02)
Age (ref: <60)						
60-64	0.057+	0.058+	0.054	0.054	0.066	0.067
	(0.03)	(0.03)	(0.04)	(0.04)	(0.04)	(0.04)
65-69	0.119**	0.120**	0.103+	0.104+	0.150*	0.151*

	(0.04)	(0.04)	(0.06)	(0.06)	(0.06)	(0.06)
70-74	0.091	0.092	0.087	0.089	0.112	0.113
	(0.06)	(0.06)	(0.07)	(0.07)	(0.08)	(0.08)
75-79	0.01	0.011	0.006	0.007	0.042	0.042
	(0.07)	(0.07)	(0.09)	(0.09)	(0.10)	(0.10)
80-84	-0.073	-0.072	-0.032	-0.031	-0.093	-0.092
	(0.08)	(0.08)	(0.11)	(0.11)	(0.12)	(0.12)
85+	-0.204*	-0.203*	-0.12	-0.118	-0.287+	-0.285+
	(0.10)	(0.10)	(0.14)	(0.14)	(0.15)	(0.15)
2004	0.093***	0.092***	0.098***	0.098***	0.076**	0.076**
	(0.02)	(0.02)	(0.02)	(0.02)	(0.03)	(0.03)
2006	0.103***	0.102***	0.103***	0.102***	0.091**	0.091**
	(0.02)	(0.02)	(0.03)	(0.03)	(0.03)	(0.03)
2008	0.198***	0.197***	0.224***	0.223***	0.141***	0.140***
	(0.03)	(0.03)	(0.04)	(0.04)	(0.04)	(0.04)
2010	0.244***	0.244***	0.252***	0.251***	0.212***	0.212***
	(0.03)	(0.03)	(0.04)	(0.04)	(0.05)	(0.05)
2012	0.242***	0.241***	0.261***	0.260***	0.192***	0.191***
	(0.04)	(0.04)	(0.05)	(0.05)	(0.06)	(0.06)
Constant	5.416***	5.416***	5.064***	5.064***	5.972***	5.970***
	(0.12)	(0.12)	(0.15)	(0.15)	(0.17)	(0.17)
Observations	75,929	75,929	46,708	46,708	29,221	29,221

Notes: Social engagement and childcare variables are demeaned.

**Table A4. Multivariate fixed effects models predicting mental health values for all grandparents, grandmothers, and grandfathers, all interactions.**

	All					Women					Men				
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
<500hours care, nonresidential	0.041+	0.041+	0.041+	0.041+	0.041+	0.041	0.041	0.041	0.041	0.041	0.04	0.04	0.041	0.04	0.041
	(0.02)	(0.02)	(0.02)	(0.02)	(0.02)	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)
499>hours, nonresidential	0.062*	0.062*	0.062*	0.062*	0.062*	0.075+	0.075+	0.074+	0.075+	0.075+	0.04	0.04	0.041	0.039	0.039
	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)	(0.04)	(0.04)	(0.04)	(0.04)	(0.04)	(0.04)	(0.04)	(0.04)	(0.04)	(0.04)
Any care, multigenerational HH	-0.029	-0.029	-0.029	-0.034	-0.03	-0.036	-0.036	-0.036	-0.041	-0.036	-0.008	-0.008	-0.008	-0.013	-0.01
	(0.05)	(0.05)	(0.05)	(0.05)	(0.05)	(0.07)	(0.07)	(0.07)	(0.07)	(0.07)	(0.08)	(0.08)	(0.08)	(0.08)	(0.08)
Any care, skipped-gen HH	-0.146*	-0.146*	-0.146*	-0.146*	-0.145*	-0.106	-0.106	-0.106	-0.106	-0.103	-0.221*	-0.221*	-0.220*	-0.219*	-0.223*
	(0.06)	(0.06)	(0.06)	(0.06)	(0.06)	(0.08)	(0.08)	(0.08)	(0.08)	(0.08)	(0.09)	(0.09)	(0.09)	(0.09)	(0.09)
Social Engagement	0.126***	0.126***	0.126***	0.126***	0.126***	0.125***	0.125***	0.125***	0.125***	0.125***	0.129***	0.129***	0.128***	0.129***	0.129***
	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.02)	(0.02)	(0.02)	(0.02)	(0.02)
Social Engagement * <500hours care, nonresidential		0.002					0.005					-0.003			
		(0.05)					(0.07)					(0.08)			
Social Engagement * 499>hours, nonresidential			-0.02					0.046					-0.126		
			(0.07)					(0.10)					(0.11)		
Social Engagement , * Any care, multigenerational HH				-0.178						-0.142				-0.276	
				(0.12)						(0.14)				(0.21)	
Social Engagement * Any care, skipped-gen HH					0.315*					0.306+					0.342
					(0.14)					(0.16)					(0.24)
Sees Kids Weekly	0.027	0.027	0.027	0.027	0.026	0.037	0.037	0.037	0.037	0.036	0.003	0.003	0.004	0.004	0.003
	(0.05)	(0.05)	(0.05)	(0.05)	(0.05)	(0.07)	(0.07)	(0.07)	(0.07)	(0.07)	(0.09)	(0.09)	(0.09)	(0.09)	(0.09)
Working	0.080***	0.080***	0.080***	0.080***	0.079***	0.089**	0.089**	0.089**	0.089**	0.088**	0.061+	0.061+	0.062+	0.062+	0.061+
	(0.02)	(0.02)	(0.02)	(0.02)	(0.02)	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)
Any Dependents	-0.048+	-0.048+	-0.048+	-0.048+	-0.048+	-0.056	-0.056	-0.056	-0.056	-0.057	-0.033	-0.033	-0.033	-0.033	-0.033

	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)	(0.04)	(0.04)	(0.04)	(0.04)	(0.04)
Self-Reported Health	0.266***	0.266***	0.266***	0.266***	0.266***	0.304***	0.304***	0.304***	0.303***	0.304***	0.208***	0.208***	0.209***	0.208***	0.208***
	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)
ADLs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	0.245***	0.245***	0.245***	0.245***	0.245***	0.231***	0.231***	0.231***	0.231***	0.231***	0.270***	0.270***	0.270***	0.270***	0.270***
	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.02)	(0.02)	(0.02)	(0.02)	(0.02)	(0.02)	(0.02)	(0.02)	(0.02)	(0.02)
IADLS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	0.164***	0.164***	0.164***	0.163***	0.164***	0.147***	0.147***	0.147***	0.147***	0.147***	0.193***	0.193***	0.193***	0.193***	0.193***
	(0.02)	(0.02)	(0.02)	(0.02)	(0.02)	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)	(0.04)	(0.04)	(0.04)	(0.04)	(0.04)
Chronic Health Conditions	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	0.072***	0.072***	0.072***	0.072***	0.072***	-0.056**	-0.056**	-0.056**	-0.057**	-0.056**	0.093***	0.093***	0.093***	0.093***	0.093***
	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.02)	(0.02)	(0.02)	(0.02)	(0.02)	(0.02)	(0.02)	(0.02)	(0.02)	(0.02)
Income (Logged)	0.054***	0.054***	0.054***	0.054***	0.054***	0.060***	0.060***	0.060***	0.060***	0.060***	0.044**	0.044**	0.044**	0.044**	0.044**
	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.02)	(0.02)	(0.02)	(0.02)	(0.02)
Age (ref: <60)															
60-64	0.057+	0.057+	0.057+	0.057+	0.058+	0.054	0.054	0.054	0.054	0.054	0.066	0.066	0.066	0.067	0.067
	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)	(0.04)	(0.04)	(0.04)	(0.04)	(0.04)	(0.04)	(0.04)	(0.04)	(0.04)	(0.04)
65-69	0.119**	0.119**	0.119**	0.119**	0.120**	0.103+	0.103+	0.103+	0.103+	0.104+	0.150*	0.150*	0.150*	0.150*	0.151*
	(0.04)	(0.04)	(0.04)	(0.04)	(0.04)	(0.06)	(0.06)	(0.06)	(0.06)	(0.06)	(0.06)	(0.06)	(0.06)	(0.06)	(0.06)
70-74	0.091	0.091	0.091	0.091	0.092	0.087	0.087	0.088	0.087	0.089	0.112	0.112	0.113	0.112	0.113
	(0.06)	(0.06)	(0.06)	(0.06)	(0.06)	(0.07)	(0.07)	(0.07)	(0.07)	(0.07)	(0.08)	(0.08)	(0.08)	(0.08)	(0.08)
75-79	0.01	0.01	0.01	0.01	0.011	0.006	0.006	0.006	0.006	0.007	0.042	0.042	0.042	0.042	0.042
	(0.07)	(0.07)	(0.07)	(0.07)	(0.07)	(0.09)	(0.09)	(0.09)	(0.09)	(0.09)	(0.10)	(0.10)	(0.10)	(0.10)	(0.10)
80-84	-0.073	-0.073	-0.073	-0.073	-0.072	-0.032	-0.032	-0.032	-0.032	-0.031	-0.093	-0.093	-0.093	-0.093	-0.092
	(0.08)	(0.08)	(0.08)	(0.08)	(0.08)	(0.11)	(0.11)	(0.11)	(0.11)	(0.11)	(0.12)	(0.12)	(0.12)	(0.12)	(0.12)
85+	-0.204*	-0.204*	-0.204*	-0.204*	-0.203*	-0.12	-0.12	-0.12	-0.12	-0.118	-0.287+	-0.287+	-0.286+	-0.287+	-0.285+
	(0.10)	(0.10)	(0.10)	(0.10)	(0.10)	(0.14)	(0.14)	(0.14)	(0.14)	(0.14)	(0.15)	(0.15)	(0.15)	(0.15)	(0.15)
2004	0.093***	0.093***	0.093***	0.093***	0.092***	0.098***	0.098***	0.098***	0.099***	0.098***	0.076**	0.076**	0.076**	0.076**	0.076**
	(0.02)	(0.02)	(0.02)	(0.02)	(0.02)	(0.02)	(0.02)	(0.02)	(0.02)	(0.02)	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)
2006	0.103***	0.103***	0.103***	0.103***	0.102***	0.103***	0.103***	0.103***	0.103***	0.103***	0.102***	0.091**	0.091**	0.091**	0.091**
	(0.02)	(0.02)	(0.02)	(0.02)	(0.02)	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)
2008	0.198***	0.198***	0.198***	0.198***	0.197***	0.224***	0.224***	0.224***	0.224***	0.223***	0.141***	0.141***	0.141***	0.141***	0.140***
	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)	(0.04)	(0.04)	(0.04)	(0.04)	(0.04)	(0.04)	(0.04)	(0.04)	(0.04)	(0.04)
2010	0.244***	0.244***	0.244***	0.245***	0.244***	0.252***	0.252***	0.252***	0.252***	0.251***	0.212***	0.212***	0.213***	0.213***	0.212***
	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)	(0.04)	(0.04)	(0.04)	(0.04)	(0.04)	(0.05)	(0.05)	(0.05)	(0.05)	(0.05)
2012	0.242***	0.242***	0.242***	0.243***	0.241***	0.261***	0.261***	0.260***	0.261***	0.260***	0.192***	0.192***	0.192***	0.192***	0.191***
	(0.04)	(0.04)	(0.04)	(0.04)	(0.04)	(0.05)	(0.05)	(0.05)	(0.05)	(0.05)	(0.06)	(0.06)	(0.06)	(0.06)	(0.06)
Constant	5.416***	5.416***	5.416***	5.416***	5.416***	5.064***	5.064***	5.064***	5.064***	5.064***	5.972***	5.972***	5.969***	5.972***	5.970***
	(0.12)	(0.12)	(0.12)	(0.12)	(0.12)	(0.15)	(0.15)	(0.15)	(0.15)	(0.15)	(0.17)	(0.17)	(0.17)	(0.17)	(0.17)
Observations	75929	75929	75929	75929	75929	46708	46708	46708	46708	46708	29221	29221	29221	29221	29221



	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)	(0.04)	(0.04)	(0.04)	(0.04)	(0.04)
Chronic Health Conditions	-0.064***	-0.064***	-0.064***	-0.064***	-0.064***	-0.050**	-0.050**	-0.050**	-0.050**	-0.050**	-0.083***	-0.083***	-0.083***	-0.083***	-0.082***
	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.02)	(0.02)	(0.02)	(0.02)	(0.02)	(0.02)	(0.02)	(0.02)	(0.02)	(0.02)
Income (Logged)	0.054***	0.054***	0.054***	0.054***	0.054***	0.057***	0.057***	0.057***	0.057***	0.057***	0.050**	0.050**	0.050**	0.050**	0.050**
	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.02)	(0.02)	(0.02)	(0.02)	(0.02)
60-64	0.064*	0.064*	0.064*	0.064*	0.065*	0.053	0.053	0.053	0.053	0.054	0.086+	0.086+	0.086+	0.086+	0.087+
	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)	(0.04)	(0.04)	(0.04)	(0.04)	(0.04)	(0.05)	(0.05)	(0.05)	(0.05)	(0.05)
65-69	0.127**	0.127**	0.127**	0.127**	0.128**	0.101+	0.101+	0.101+	0.101+	0.102+	0.177**	0.177**	0.178**	0.178**	0.178**
	(0.05)	(0.05)	(0.05)	(0.05)	(0.05)	(0.06)	(0.06)	(0.06)	(0.06)	(0.06)	(0.07)	(0.07)	(0.07)	(0.07)	(0.07)
70-74	0.101+	0.101+	0.101+	0.101+	0.102+	0.086	0.086	0.086	0.086	0.087	0.145+	0.145+	0.146+	0.145+	0.146+
	(0.06)	(0.06)	(0.06)	(0.06)	(0.06)	(0.08)	(0.08)	(0.08)	(0.08)	(0.08)	(0.09)	(0.09)	(0.09)	(0.09)	(0.09)
75-79	0.019	0.019	0.019	0.019	0.019	0.001	0.001	0.001	0.001	0.002	0.078	0.078	0.079	0.078	0.079
	(0.07)	(0.07)	(0.07)	(0.07)	(0.07)	(0.10)	(0.10)	(0.10)	(0.10)	(0.10)	(0.11)	(0.11)	(0.11)	(0.11)	(0.11)
80-84	-0.054	-0.054	-0.055	-0.054	-0.053	-0.032	-0.032	-0.032	-0.032	-0.031	-0.036	-0.036	-0.035	-0.036	-0.035
	(0.09)	(0.09)	(0.09)	(0.09)	(0.09)	(0.12)	(0.12)	(0.12)	(0.12)	(0.12)	(0.13)	(0.13)	(0.13)	(0.13)	(0.13)
85+	-0.190+	-0.190+	-0.190+	-0.190+	-0.188+	-0.132	-0.132	-0.132	-0.132	-0.131	-0.22	-0.22	-0.22	-0.221	-0.219
	(0.10)	(0.10)	(0.10)	(0.10)	(0.10)	(0.14)	(0.14)	(0.14)	(0.14)	(0.14)	(0.15)	(0.15)	(0.15)	(0.15)	(0.15)
2004	0.109***	0.109***	0.109***	0.109***	0.108***	0.113***	0.113***	0.112***	0.113***	0.112***	0.095***	0.095***	0.095***	0.095***	0.094***
	(0.02)	(0.02)	(0.02)	(0.02)	(0.02)	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)
2006	0.105***	0.105***	0.105***	0.105***	0.105***	0.106***	0.106***	0.106***	0.106***	0.106***	0.091**	0.090**	0.090**	0.090**	0.090**
	(0.02)	(0.02)	(0.02)	(0.02)	(0.02)	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)
2008	0.197***	0.197***	0.197***	0.197***	0.196***	0.228***	0.228***	0.228***	0.229***	0.227***	0.129**	0.129**	0.129**	0.129**	0.128**
	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)	(0.04)	(0.04)	(0.04)	(0.04)	(0.04)	(0.04)	(0.04)	(0.04)	(0.04)	(0.04)
2010	0.233***	0.233***	0.233***	0.234***	0.233***	0.237***	0.237***	0.237***	0.237***	0.237***	0.236***	0.206***	0.206***	0.206***	0.207***
	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)	(0.04)	(0.04)	(0.04)	(0.04)	(0.04)	(0.04)	(0.05)	(0.05)	(0.05)	(0.05)
2012	0.248***	0.248***	0.248***	0.248***	0.247***	0.278***	0.278***	0.278***	0.279***	0.277***	0.172**	0.172**	0.173**	0.172**	0.171**
	(0.04)	(0.04)	(0.04)	(0.04)	(0.04)	(0.05)	(0.05)	(0.05)	(0.05)	(0.05)	(0.06)	(0.06)	(0.06)	(0.06)	(0.06)
Constant	5.440***	5.440***	5.440***	5.440***	5.440***	5.135***	5.135***	5.135***	5.135***	5.135***	5.918***	5.918***	5.914***	5.918***	5.916***
	(0.12)	(0.12)	(0.12)	(0.12)	(0.12)	(0.16)	(0.16)	(0.16)	(0.16)	(0.16)	(0.18)	(0.18)	(0.18)	(0.18)	(0.18)
Observations	66025	66025	66025	66025	66025	41104	41104	41104	41104	41104	24921	24921	24921	24921	24921

Notes: These models are the same as those presented in Table 3 and Table A4, however, the interaction terms here have been demeaned as well. The double demeaning approach demeans the product (interaction) of already-demeaned factor variables. The results presented here are similar to those presented in the paper. The single demeaning approach I employ earlier produces smaller standard errors and maintains a larger sample size. The double demeaning approach here requires individuals to appear at least three times in the sample, which reduces the sample size, and produces larger standard errors.