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Work–family balance in the second half of life: Caregivers' decisions regarding retirement and working time reduction in Europe

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Online Appendix

Table A1: Case Numbers, Sample Selection and Characteristics at Baseline

	All (%)	Men (%)	Women (%)
All person-years			
Aged 50-68 with at least two observations	163,953 (100)	71,849 (100)	92,104 (100)
+ transition between employment and not employed in two subsequent observations (=valid dependent variable "Leaving the labour market")	47,289 (28.8)	24,070 (33.5)	25,375 (27.6)
+ valid information on all independent variables	25,064 (15.3)	12,276 (17.1)	12,788 (13.9)
+ employed person-years with valid information on working hours (=valid dependent variables "Working hours")	64,931 (39.6)	31,771 (44.2)	33,164 (36.01)
+ valid information on all independent variables	53,676 (32.7)	26,859 (37.4)	26,817 (29.2)
Baseline sample (1st observation)			
Aged 50-68 with at least two observations, and...	58,134 (100)	26,443 (100)	31,691 (100)
...employed at baseline	25,800 (44.4)	13,263 (50.2)	12,537 (39.6)
...employed at baseline leaving the labour market any time during the survey	11,827 (20.4)	6,101 (23.1)	5,726 (18.1)
...being a caregiver at baseline	19,479 (33.5)	8,155 (30.8)	11,324 (35.7)
... not being a caregiver at baseline but becoming a caregiver later during the survey	12,344 (21.2)	5,591 (21.1)	6,753 (21.3)

Table A2: Descriptives of the Dependent and Independent Variables

	All person-years			Baseline sample		
	Total	Men	Women	Total	Men	Women
<i>Dependent variables</i>						
Not employed	60.24	55.39	64.08	57.37	51.44	62.43
Working hours	36.05 (13.67)	39.48 (13.30)	32.67 (13.16)	36.62 (14.21)	39.85 (13.94)	33.08 (13.64)
<i>Independent variables</i>						
Cares for parents at least weekly	7.23	04.94	09.04	06.69	04.67	08.41
Helps/cares for others	12.25	10.02	14.02	11.88	09.68	13.76
Cares for grandchild at least weekly	15.88	11.65	19.24	14.72	10.85	18.03
<i>Control variables</i>						
Age: 50-54	17.77	19.07	16.12	27.55	28.99	25.86
55-59	27.15	27.35	26.90	27.27	27.14	27.42
60-64	30.89	30.19	31.77	26.31	25.75	26.97
64-68	24.19	23.39	25.20	18.87	18.12	19.75
Age distance to official retirement age: >2 years under	53.76	51.95	56.04	60.04	57.12	63.46
2 years below to 2 years above	29.07	27.85	30.61	24.53	24.15	24.97
>2 years above	17.17	20.20	13.35	15.43	18.73	11.57
Number of functional health limitations	1.22 (2.22)	0.96 (2.05)	1.42 (2.32)	1.19 (2.19)	0.92 (2.00)	1.43 (2.32)
Has no children	09.60	10.98	08.51	09.59	10.79	08.58
Has no grandchildren	40.43	44.88	36.90	44.47	49.15	40.49
Has no living parents	61.15	62.29	60.25	59.55	60.55	58.71
Age of youngest grandchild	1.34 (3.28)	1.15 (2.99)	1.50 (3.48)	0.67 (2.47)	0.54 (2.14)	0.79 (2.71)
Partner is employed	31.02	27.24	35.79	33.21	29.79	37.21
Partner is retired	32.80	40.51	23.06	30.72	38.90	21.13
Partner is inactive	14.29	06.40	24.26	15.90	07.11	26.20
Has no partner	02.89	25.85	16.89	20.18	24.20	15.46
n (person-years) max.	163,953	71,849	92,104	58,134	26,443	31,691

Source: SHARE Release 7.0.0. Waves 1, 2, 4, 5, 6 and 7. Sample: Individuals aged 50-68 with at least two observations. Case numbers may deviate for single variables, as missings are varying across variables. Own calculations. Continuous variables: Mean (standard deviation in parentheses). Categorical variables: per cent.

Table A3: Models with Alternative Operationalizations of Lateral Care

	Men		Women	
	Leave	Working hours	Leave	Working hours
<i>Only care indicators</i>				
Lateral: Spouse	-0.090	0.043	-0.017	-0.988
Lateral: Other person at least weekly	0.153	-0.359	0.177	-0.629*
Upward: Parent at least weekly	0.129	-0.089	0.029	-0.283
Downward: Grandchild or child at least weekly	0.547***	-0.498*	0.222*	-0.444
<i>Interacted with contextual variables:</i>				
<i>Cash-for-care</i>	1.939*	0.979	2.324***	0.145
Lateral: Spouse	-0.084	0.028	0.027	-0.921
Cash*Lateral Spouse	-0.045	-0.109	-0.029	-0.160
Lateral: Other person at least weekly	0.123	-0.151	0.186	-0.616
Cash*Lateral Others	0.114	-0.702*	-0.033	-0.088
Upward: Parent at least weekly	0.104	-0.084	-0.016	-0.142
Cash*Upward	0.066	-0.015	0.115	-0.393
<i>Care-in-kind</i>				
Lateral: Spouse	-0.023	-0.050	-0.015	-1.109
Kind*Lateral Spouse	-0.821*	0.957	0.105	1.368
Lateral: Other person at least weekly	0.167	-0.310	0.189*	-0.661*
Kind*Lateral Other	0.397	-0.567	-0.372	0.039
Upward: Parent at least weekly	0.091	-0.082	0.028	-0.299
Kind*Upward	0.586	0.060	0.038	0.310
n (person-years)	12,276	26,599	12,750	26,329

All coefficients obtained under controls from models in Table 1. Separate models for cash-for-care and care-in-kind indicator and interactions. * p<0.05 ** p<0.01 *** p<0.001.

Table A4: Robustness Checks: Random Effects Models

	Men						Women					
	Cash Leave	Hours	Kind Leave	Hours	ECEC Leave	Hours	Cash Leave	Hours	Kind Leave	Hours	ECEC Leave	Hours
Cash-for-care	0.566***	0.162					0.797***	0.059				
Upward	0.226*	-0.206			0.270**	-0.248	0.060	-0.553*			0.047	-0.521*
Cash*Upward	0.124	0.065					0.060	-0.315				
Lateral	0.385***	-0.366			0.347***	-0.426	0.402***	-0.719**			0.352***	-0.652**
Cash*Lateral	-0.021	-0.438					-0.091	-0.168				
Care-in-kind			-1.788***	-1.673*					-2.654***	5.150***		
Upward			0.242*	-0.221					0.045	-0.603*		
Kind*Upward			0.323	0.696					-0.028	0.347		
Lateral			0.380***	-0.423					0.351***	-0.749**		
Kind*Lateral			-0.093	0.113					0.078	0.165		
ECEC					-0.144***	-0.341***					-0.310***	0.363*
Downward	0.816***	-1.566***	0.794***	-1.606***	0.823***	-1.555***	0.662***	-1.471***	0.598***	-1.304***	0.591***	-1.534***
ECEC*Downward					-0.027	-0.048					0.001	0.111*
Constant	-4.433***	42.192***	-4.062***	42.405***	-4.151***	43.027***	-2.542***	34.402***	-2.069***	33.905***	-2.374***	34.431***
<i>n (person-years)</i>	52,738	26,613	52,065	26,360	51,113	25,612	65,567	26,599	64,740	26,329	63,757	26,100

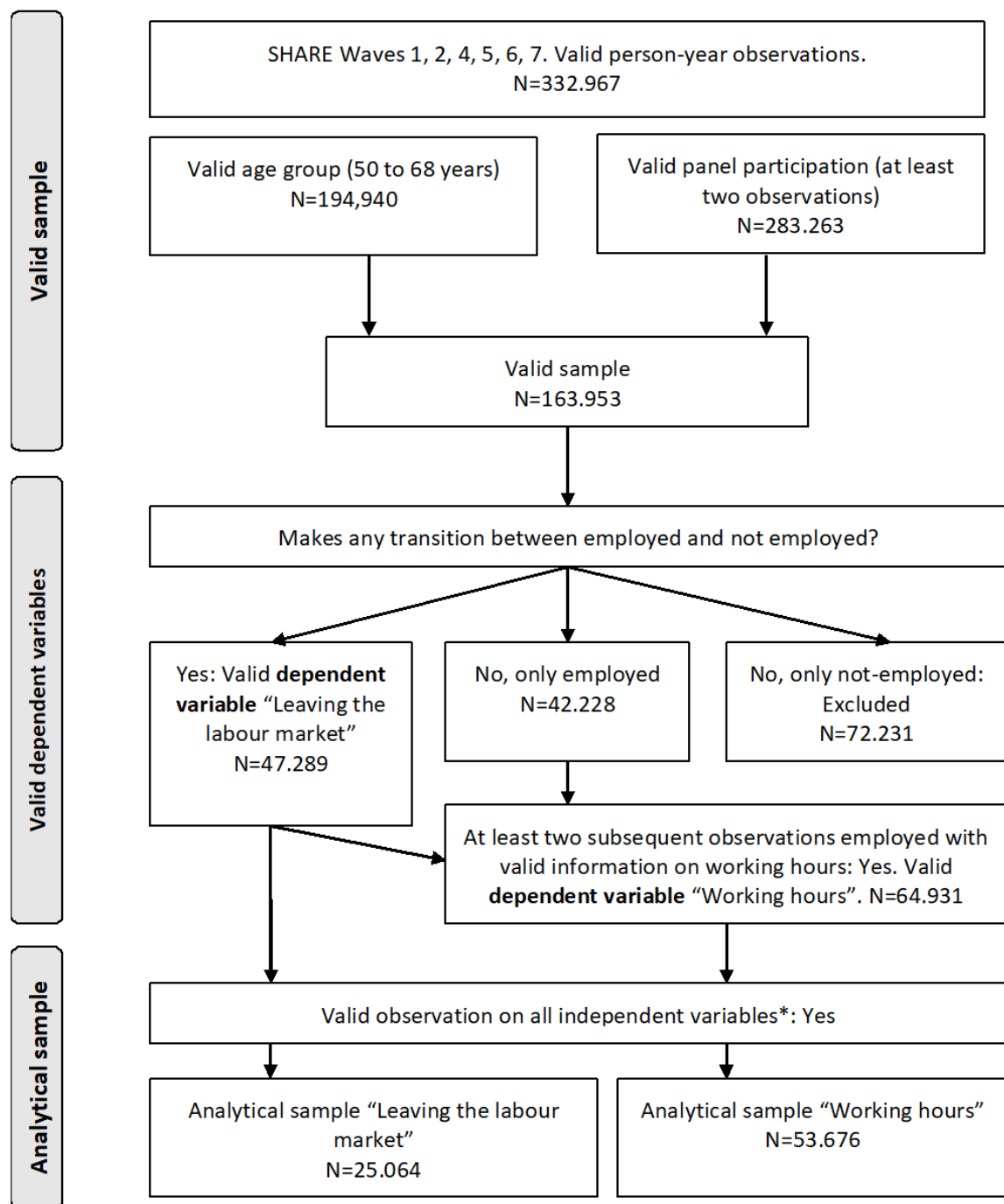
Random effects models (observations nested in respondents); robust standard errors clustered at country level. Separate models for each country-level indicator. Including all control variables from Table 2. Case numbers and ICC for model for cash-for-care. * p<0.05 ** p<0.01 *** p<0.001.

Table A5: Robustness checks: Separate models by education

	Lower education		Intermediate education		Higher education	
	Labour market exit	Working hours	Labour market exit	Working hours	Labour market exit	Working hours
Upward: Cares for parents at least weekly	0.071	-1.616*	-0.224*	-0.249	0.423*	0.190
Male*Upward	-0.161	2.043	0.259	0.040	-0.230	-0.003
Lateral: Gives help/care to other person than parents	0.110	-0.684	0.238	-0.602	0.237	-0.978
Male*Lateral	0.084	0.814	-0.062	0.302	-0.290	0.645
Downward: Cares for (Grand-)Child(ren) at least weekly	-0.005	-0.392	0.280*	-0.312	0.349*	-0.647
Male*Downward	0.610*	1.366	0.508*	-0.769	-0.435	-0.117
Partner is employed (ref.)						
Partner is retired	0.534**	-1.762*	0.723***	-1.728***	0.792***	-2.623***
Partner is inactive	0.324	-0.011	0.647*	-1.574***	0.545**	-0.675
Has no partner	0.574*	0.070	0.578*	-1.209	0.109	0.970
Has no living parents	0.219	-0.957	-0.161	0.396	0.260	-0.538
Has no children	-0.255	-1.565	-0.464	0.623	0.560	-0.522
Has no grandchildren	-0.029	0.444	0.093	-0.071	0.062	-0.019
Age of the youngest grandchild	0.004	0.040	-0.006	-0.006	0.011	-0.044
Aged 50-54 (ref.)						
55-59	-0.392	0.433	-0.755***	0.819*	-1.063***	1.534**
60-64	0.131	0.433	-0.252	-0.099	-0.484	0.884
65-68	1.415***	-4.440***	0.877*	-4.266***	0.664	-3.765**
Age distance to retirement: More than 2 years below	-0.692**	1.181	-0.617**	0.818	-0.395	1.205
At most 2 years below to at most 2 years above (ref.)						
More than two years above	0.337	-3.000*	0.627***	-3.678**	0.116	-2.567*
Number of functional health limitations	0.108***	-0.183	0.119***	-0.079	0.169***	-0.067
Wave 1 (ref.)						
Wave 2	0.823***	0.029	0.839***	-0.645	1.219***	-0.359
Wave 4	1.622***	-1.763	2.110***	-2.751*	2.735***	-2.870*
Wave 5	2.502***	-0.947	3.030***	-3.047*	3.716***	-2.783
Wave 6	3.177***	-0.913	3.785***	-2.969	5.156***	-3.411
Wave 7	3.964***	-1.225	4.883***	-3.024	6.416***	-2.557
Constant		36.473***		38.677***		38.522***
<i>n</i> (person-years)	7,717	13,436	10,064	22,958	6,942	16,823

* $p < 0.05$, ** $p < 0.01$, *** $p < 0.001$

Figure A1: Flow Diagram



Own illustration