



UvA-DARE (Digital Academic Repository)

Divorce and inequality

Stratification in the risk and consequences of union dissolution

Hogendoorn, B.

Publication date

2022

[Link to publication](#)

Citation for published version (APA):

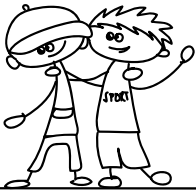
Hogendoorn, B. (2022). *Divorce and inequality: Stratification in the risk and consequences of union dissolution*. [Thesis, fully internal, Universiteit van Amsterdam].

General rights

It is not permitted to download or to forward/distribute the text or part of it without the consent of the author(s) and/or copyright holder(s), other than for strictly personal, individual use, unless the work is under an open content license (like Creative Commons).

Disclaimer/Complaints regulations

If you believe that digital publication of certain material infringes any of your rights or (privacy) interests, please let the Library know, stating your reasons. In case of a legitimate complaint, the Library will make the material inaccessible and/or remove it from the website. Please Ask the Library: <https://uba.uva.nl/en/contact>, or a letter to: Library of the University of Amsterdam, Secretariat, P.O. Box 19185, 1000 GD Amsterdam, The Netherlands. You will be contacted as soon as possible.





APPENDIX

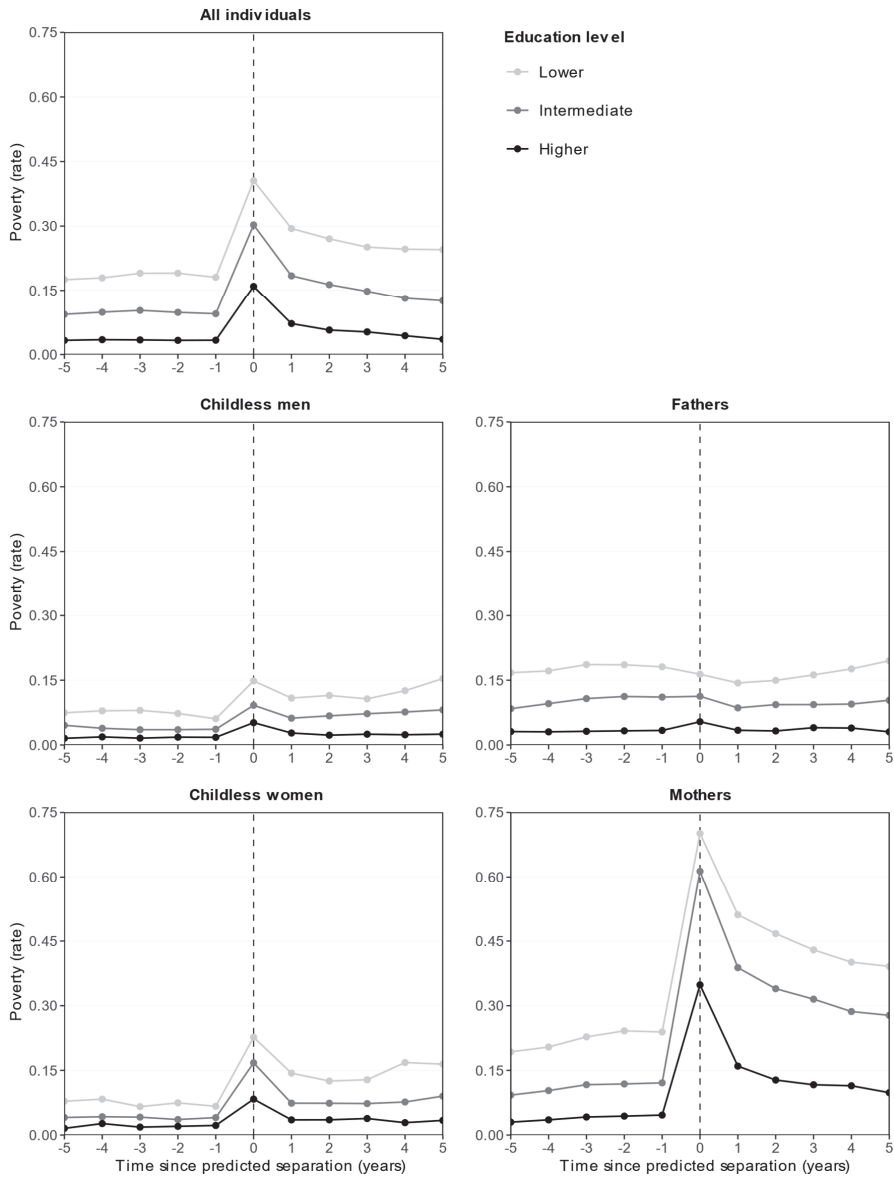
A.1 APPENDIX CHAPTER 2**Table A.1** Risk and consequences estimates underlying the Kitagawa decomposition of the overall poverty difference

| | Lower educated | | Higher educated | |
|---------------------|-----------------------|----------------------|------------------------|----------------------|
| | Risk | Consequences | Risk | Consequences |
| Year before divorce | 0.028*** (0.000) | 0.102*** (0.006) | 0.013*** (0.000) | 0.055*** (0.002) |
| Year of divorce | 0.026*** (0.000) | 0.169*** (0.006) | 0.011*** (0.000) | 0.090*** (0.003) |
| Year after divorce | 0.120*** (0.002) | 0.117*** (0.007) | 0.049*** (0.001) | 0.043*** (0.003) |
| Time since divorce | 0.436*** (0.007) | -0.011*** (0.002) | 0.176*** (0.002) | -0.004*** (0.001) |
| T1 | 0.091 | 0.016*** (0.002) | 0.091 | 0.000*** (0.000) |
| T2 | 0.091 | 0.023*** (0.003) | 0.091 | 0.001*** (0.001) |
| T3 | 0.091 | 0.021*** (0.003) | 0.091 | 0.001*** (0.001) |
| T4 | 0.091 | 0.030*** (0.003) | 0.091 | 0.003*** (0.001) |
| T5 | 0.091 | 0.038*** (0.003) | 0.091 | 0.006*** (0.001) |
| T6 | 0.091 | 0.049*** (0.003) | 0.091 | 0.007*** (0.001) |
| T7 | 0.091 | 0.060*** (0.003) | 0.091 | 0.009*** (0.001) |
| T8 | 0.091 | 0.067*** (0.003) | 0.091 | 0.010*** (0.001) |
| T9 | 0.091 | 0.076*** (0.003) | 0.091 | 0.011*** (0.001) |
| T10 | 0.091 | 0.073*** (0.004) | 0.091 | 0.009*** (0.001) |
| Constant | 1 | 0.125*** (0.002) | 1 | 0.017*** (0.000) |

Notes: T1-T10 are time since marriage dummies. Standard errors are shown in parentheses. The risk estimates of T1-T10 have no standard errors as they are set to the grand mean. The risk estimates of the constants have no standard errors by definition. $N = 21,628$ lower educated persons; 93,126 higher educated persons. * $p < .05$, ** $p < .01$, *** $p < .001$.

Source: Statistics Netherlands, own calculations.

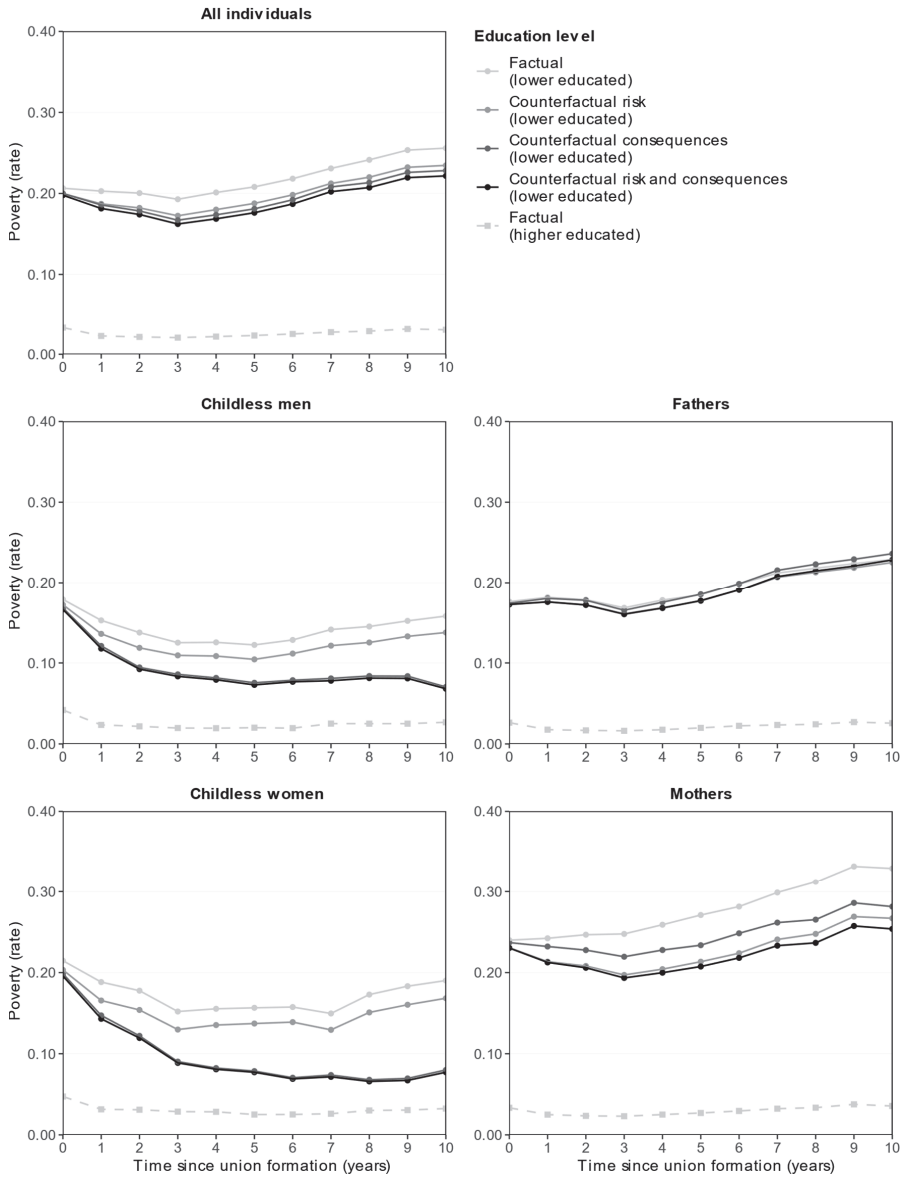
Figure A.1 Poverty rates by predicted separation duration



Source: Statistics Netherlands, own calculations.

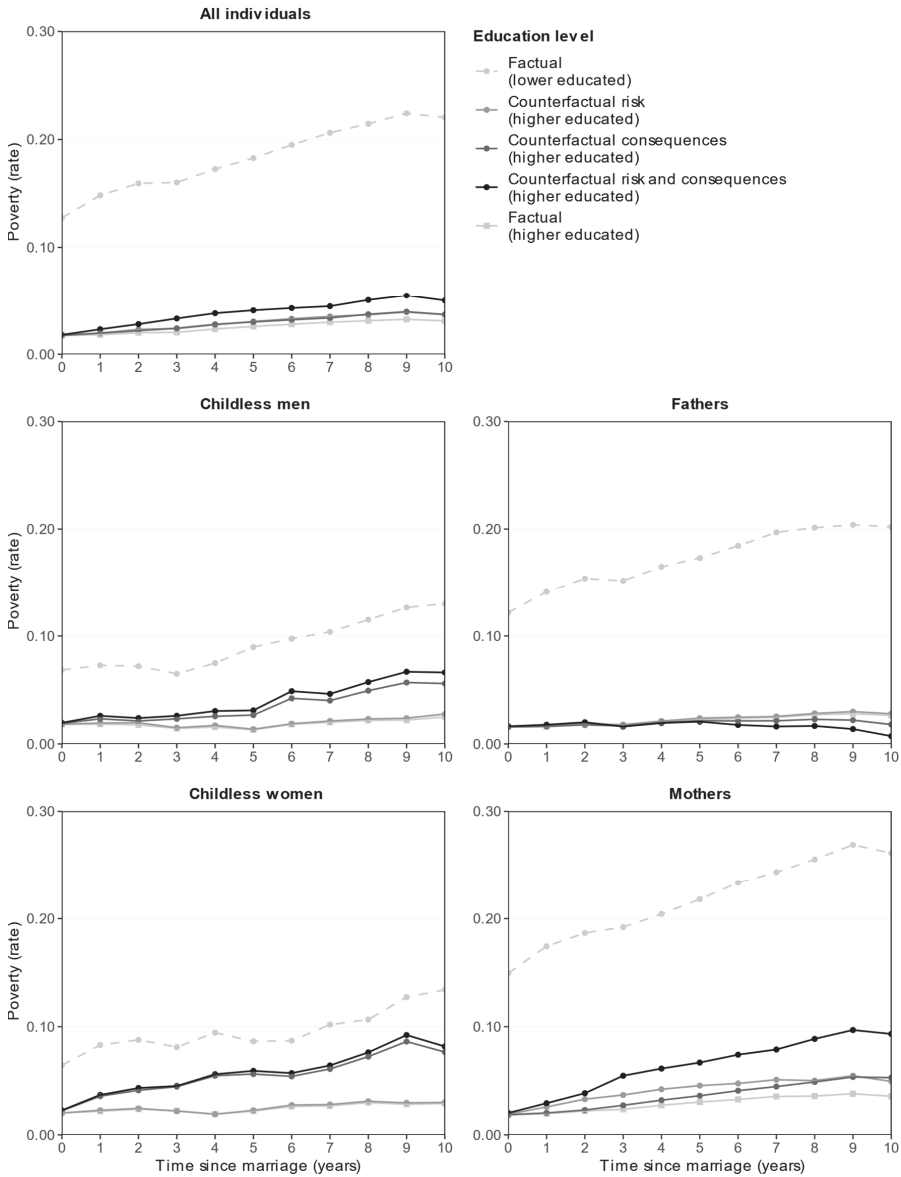


Figure A.2 Simulated poverty trajectories under counterfactual risk and consequences in the coresidential population



Source: Statistics Netherlands, own calculations.

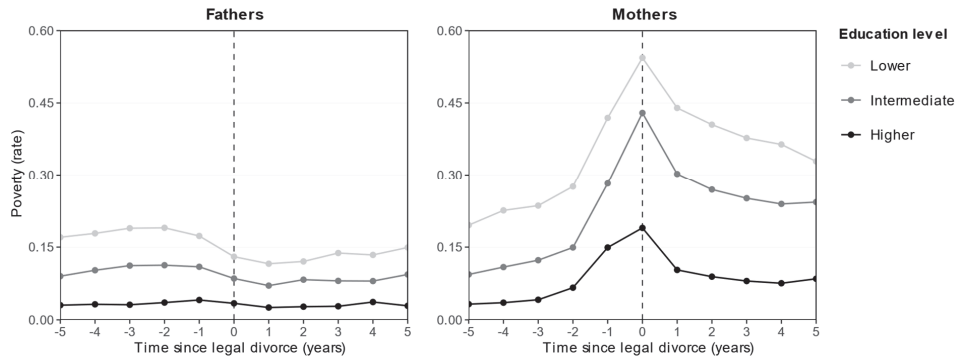
Figure A.3 Simulated poverty trajectories under counterfactual risk and consequences from the viewpoint of the lower educated



Source: Statistics Netherlands, own calculations.

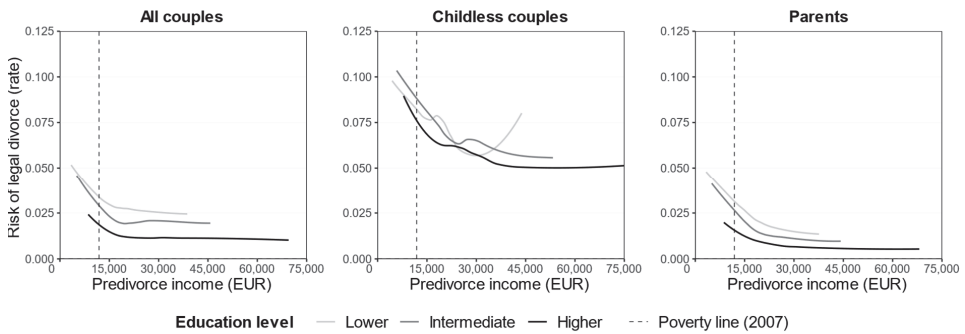


Figure A.4 Poverty rates by divorce duration after correcting for child support



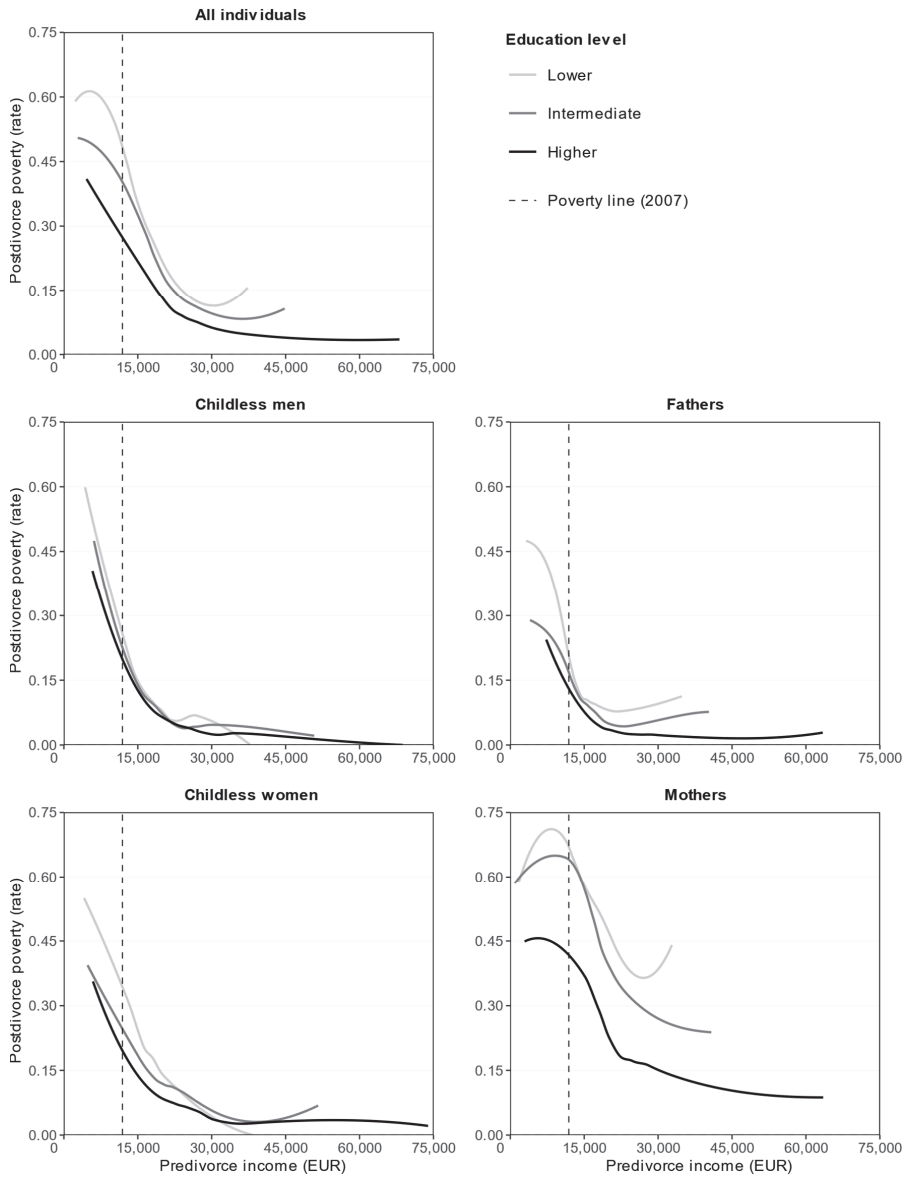
Source: Statistics Netherlands, own calculations.

Figure A.5 Risk of divorce along the income distribution



Notes: Average hazards of divorce over the 10 years following marriage. Predivorce incomes were measured two years before divorce. Curves were smoothed using local polynomial regression fitting.
 Source: Statistics Netherlands, own calculations.

Figure A.6 Poverty rates along the income distribution

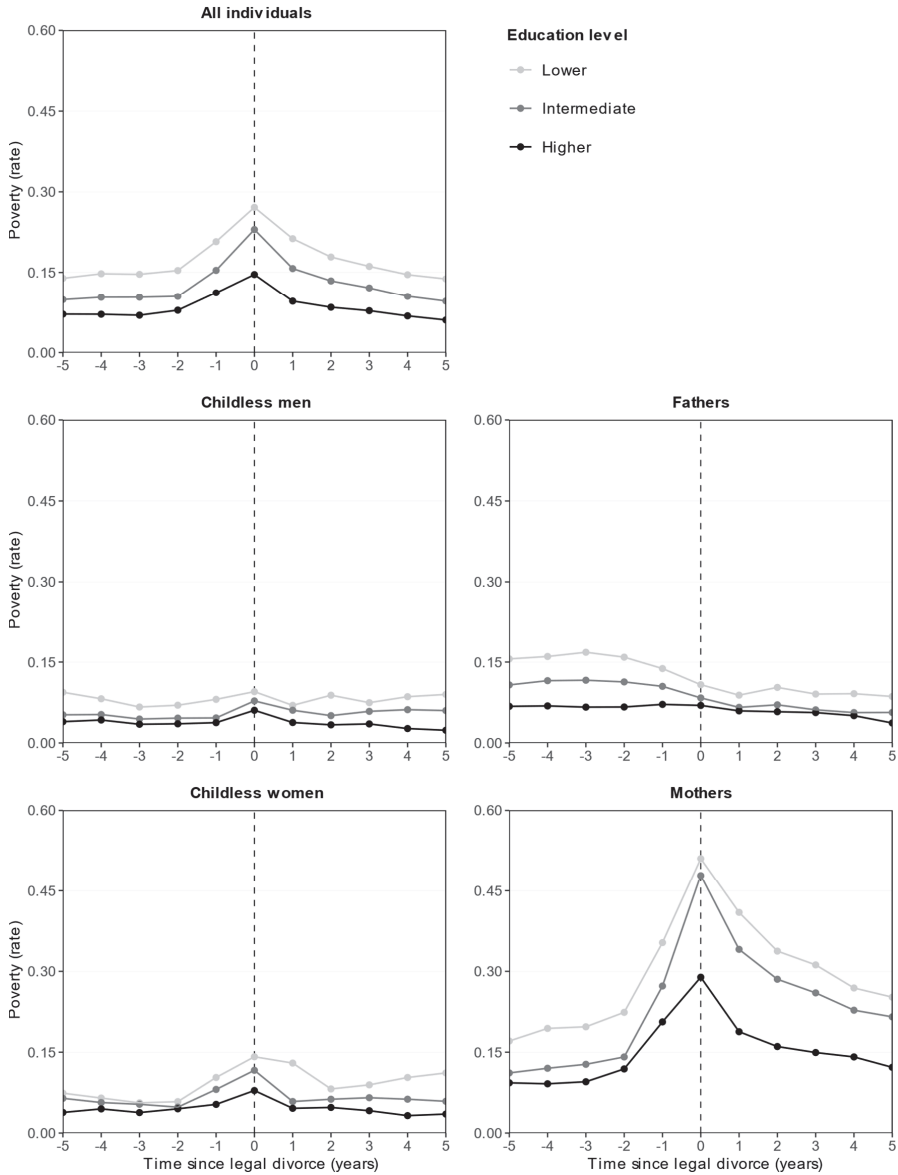


Notes: Poverty rates in the year of divorce. Predivorce incomes were measured two years before divorce. Curves were smoothed using local polynomial regression fitting.

Source: Statistics Netherlands, own calculations.



Figure A.7 Poverty rates by divorce duration, holding constant predivorce income



Notes: Estimates were obtained from linear probability regressions of the binary poverty indicator on time since legal divorce dummies. Time since marriage dummies were held constant within each education group. Predivorce incomes were measured two years before divorce, modeled as restricted cubic splines with four knots at the 5th, 35th, 65th, and 95th percentile, and held constant across all education groups.

Source: Statistics Netherlands, own calculations.

A.2 APPENDIX CHAPTER 3**Table A.2** Conversion of education qualifications into categories and completed years

| Qualification | Category | Years |
|--|--------------------------|--------------|
| Year 9 or below | Lower secondary or below | 12 |
| Year 10 | Lower secondary or below | 13 |
| Year 11 | Lower secondary or below | 14 |
| Year 12 | Upper or post-secondary | 15 |
| Certificate I | Lower secondary or below | 11 |
| Certificate II | Lower secondary or below | 11 |
| Certificate III | Upper or post-secondary | 15 |
| Certificate IV | Upper or post-secondary | 16 |
| Certificate unspecified (treated as Certificate III) | Upper or post-secondary | 15 |
| Diploma | Upper or post-secondary | 17 |
| Associate degree | Upper or post-secondary | 17 |
| Advanced diploma | Upper or post-secondary | 19 |
| Diploma unspecified (treated as Diploma) | Upper or post-secondary | 17 |
| Bachelor degree | Tertiary | 18 |
| Bachelor honours degree | Tertiary | 19 |
| Bachelor unspecified (treated as Bachelor degree) | Tertiary | 18 |
| Graduate certificate | Tertiary | 19 |
| Graduate diploma | Tertiary | 19 |
| Graduate unspecified | Tertiary | 19 |
| Masters degree | Tertiary | 21 |
| Doctoral degree | Tertiary | 22 |
| Masters/doctoral unspecified (treated as Masters degree) | Tertiary | 21 |

Source: International Standard Classification of Education, retrieved May 19, 2021, from http://uis.unesco.org/sites/default/files/documents/isced_2011_mapping_en_australia_o.xls.

Table A.3 Original items used to construct the life strain variables

| Life strain | Items | Range | M | SD | N | α | Reference |
|-------------------------|---|-------------|------|------|--------|----------|--|
| <i>Work</i> | | | | | | | |
| Job strain | My job is more stressful than I had ever imagined. | 1-7 (asc.) | 2.74 | 1.75 | 45,776 | .81 | GESIS (1997) |
| | I fear that the amount of stress in my job will make me physically ill. | 1-7 (asc.) | 2.17 | 1.51 | 45,741 | | |
| | I get paid fairly for the things I do in my job. | 1-7 (asc.) | 5.18 | 1.76 | 45,745 | | |
| | I have a secure future in my job. | 1-7 (asc.) | 5.52 | 1.64 | 45,698 | | |
| | The company I work for will still be in business 5 years from now. | 1-7 (asc.) | 6.13 | 1.36 | 45,695 | | |
| | I worry about the future of my job. | 1-7 (asc.) | 2.50 | 1.78 | 45,743 | | |
| Employment difficulty | I am now going to ask you some questions about how satisfied or dissatisfied you are with some of the things happening in your life ... your employment opportunities? | 0-10 (asc.) | 7.16 | 2.20 | 46,409 | | Cummins (1996) |
| <i>Finance</i> | | | | | | | |
| Income insufficiency | Given your current needs and financial responsibilities, would you say that you and your family are ... (prosperous – very poor)? | 1-6 (desc.) | 3.15 | 0.78 | 45,721 | | |
| Emergency problems | Suppose you had only one week to raise \$2000 for an emergency. Which of the following best describes how hard it would be for you to get that money? | 1-4 (asc.) | 1.67 | 0.97 | 45,575 | | Terril and Brodie-Reed (1998) |
| <i>Social relations</i> | | | | | | | |
| Social isolation | People don't come to visit me as often as I would like. | 1-7 (asc.) | 3.56 | 1.76 | 45,761 | .78 | Henderson et al. (1978), Marshall and Barnett (1993) |
| | I often need help from other people but can't get it. | 1-7 (asc.) | 2.32 | 1.52 | 45,711 | | |
| | I seem to have a lot of friends. | 1-7 (asc.) | 4.42 | 1.63 | 45,686 | | |
| | I don't have anyone that I can confide in. | 1-7 (asc.) | 2.29 | 1.65 | 45,682 | | |
| | I have no one to lean on in times of trouble. | 1-7 (asc.) | 2.13 | 1.55 | 45,664 | | |
| | When I need someone to help me out, I can usually find someone. | 1-7 (asc.) | 5.63 | 1.42 | 45,736 | | |
| Community exclusion | I am now going to ask you some questions about how satisfied or dissatisfied you are with some of the things happening in your life ... Feeling part of your local community? | 0-10 (asc.) | 6.74 | 2.09 | 50,473 | | Cummins (1996) |

| Life strain | Items | Range | M | SD | N | α | Reference |
|-----------------------|---|--|--|--|--|----------|-------------------------------|
| Health difficulties | Does your health now limit you in ... Vigorous activities, such as running, lifting heavy objects, participating in strenuous sports? | 1-3 (desc.) | 2.31 | 0.72 | 45,473 | .82 | Norman et al. (2014) |
| | Does your health now limit you in ... Moderate activities, such as moving a table, pushing a vacuum cleaner, bowling or playing golf? | 1-3 (desc.) | 2.77 | 0.51 | 45,540 | | |
| | Does your health now limit you in ... Bathing or dressing yourself? | 1-3 (desc.) | 2.90 | 0.39 | 45,526 | | |
| | During the past 4 weeks, have you had problems with your work or other regular daily activities as a result of your physical health ... Were limited in the kind of work or other activities? | 1-2 (desc.) | 1.85 | 0.36 | 45,468 | | |
| | During the past 4 weeks, have you had problems with your work or other regular daily activities as a result of any emotional problems ... Accomplished less than you would like? | 1-2 (desc.) | 1.82 | 0.38 | 45,589 | | |
| | How much bodily pain have you had during the past 4 weeks ? | 1-6 (asc.) | 2.33 | 1.20 | 45,719 | | |
| | During the past 4 weeks, how much did pain interfere with your normal work (including both work outside the home and housework)? | 1-5 (asc.) | 1.64 | 0.93 | 45,708 | | |
| | How much of the time during the past 4 weeks ... Have you been a nervous person? | 1-6 (desc.) | 5.00 | 1.08 | 45,772 | | |
| | How much of the time during the past 4 weeks ... Did you have a lot of energy? | 1-6 (desc.) | 3.16 | 1.18 | 45,705 | | |
| Functional limitation | Do you have any long-term health condition, impairment or disability that restricts you in your everyday activities, and has lasted or is likely to last, for 6 months or more? | 1-2 (desc.) | 1.80 | 0.40 | 50,532 | | |
| Residence | | | | | | | |
| Neighborhood disorder | How common are the following things in your local neighbourhood? Neighbours helping each other out? ... Neighbours doing things together? ... Loud traffic noise? ... Noise from airplanes, trains or industry? ... Homes and gardens in bad condition? ... Rubbish and litter lying around? ... Teenagers hanging around on the streets? ... People being hostile and aggressive? ... Vandalism and deliberate damage to property? ... Burglary and theft? | 1-5 (asc.) 1-5 (asc.) 1-5 (asc.) 1-5 (asc.) 1-5 (asc.) 1-5 (asc.) 1-5 (asc.) 1-5 (asc.) 1-5 (asc.) | 3.57 2.99 2.91 2.56 2.68 2.48 2.58 2.15 2.37 | 1.05 1.08 1.08 1.17 0.80 0.86 1.03 0.88 0.93 | 44,315 43,856 46,323 46,326 46,160 46,344 46,205 45,920 45,928 | .82 | NatCen Social Research (2001) |
| Home dissatisfaction | I am now going to ask you some questions about how satisfied or dissatisfied you are with some of the things happening in your life... The home in which you live? | 0-10 (asc.) | 7.79 | 1.80 | 50,507 | | Cummins (1996) |

Notes: Asc. ascending, desc. descending. All items were coded such that higher scores indicated more strain when constructing the eventual variables.

Source: Household, Income and Labour Dynamics in Australia.

Table A.4 Means and case numbers before and after imputation

| | Original | | Listwise deletion | | Multiple imputation | |
|------------------------------|----------|----------|-------------------|----------|---------------------|----------|
| | <i>M</i> | <i>N</i> | <i>M</i> | <i>N</i> | <i>M</i> | <i>N</i> |
| <i>Main variables</i> | | | | | | |
| Union dissolution | 0.038 | 52,574 | 0.025 | 30,821 | 0.038 | 52,574 |
| Educational attainment | 16.143 | 52,574 | 16.392 | 30,821 | 16.143 | 52,574 |
| <i>Strain variables</i> | | | | | | |
| Job strain | 0 | 45,803 | 0.144 | 30,821 | 0.010 | 52,574 |
| Employment difficulty | 0 | 46,409 | -0.018 | 30,821 | 0.047 | 52,574 |
| Income insufficiency | 0 | 45,721 | -0.042 | 30,821 | 0.018 | 52,574 |
| Emergency problems | 0 | 45,575 | -0.079 | 30,821 | 0.040 | 52,574 |
| Social isolation | 0 | 45,805 | -0.026 | 30,821 | 0.011 | 52,574 |
| Community exclusion | 0 | 50,473 | -0.013 | 30,821 | 0.008 | 52,574 |
| Health difficulties | 0 | 45,984 | -0.076 | 30,821 | 0.008 | 52,574 |
| Functional limitation | 0 | 50,538 | -0.063 | 30,821 | -0.001 | 52,574 |
| Neighborhood disorder | 0 | 46,466 | 0.008 | 30,821 | 0.014 | 52,574 |
| Home dissatisfaction | 0 | 50,507 | -0.001 | 30,821 | 0.002 | 52,574 |
| <i>Confounding variables</i> | | | | | | |
| Female | 0.500 | 52,574 | 0.502 | 30,821 | 0.500 | 52,574 |
| Overseas-born Anglophone | 0.103 | 52,574 | 0.108 | 30,821 | 0.103 | 52,574 |
| Overseas-born non-Anglophone | 0.122 | 52,574 | 0.106 | 30,821 | 0.122 | 52,574 |
| Religiosity | 3.285 | 48,671 | 3.215 | 30,821 | 3.289 | 52,574 |
| Parents separated in youth | 0.249 | 52,574 | 0.240 | 30,821 | 0.249 | 52,574 |
| Age at union formation | 29.808 | 52,574 | 29.000 | 30,821 | 29.808 | 52,574 |
| Union order | 1.636 | 51,748 | 1.588 | 30,821 | 1.637 | 52,574 |
| Married since start | 0.318 | 52,574 | 0.325 | 30,821 | 0.318 | 52,574 |
| Same-sex union | 0.014 | 52,574 | 0.014 | 30,821 | 0.014 | 52,574 |
| <i>Concomitant variables</i> | | | | | | |
| Union cohort | 1997.609 | 52,574 | 1996.942 | 30,821 | 1997.609 | 52,574 |
| Refreshment sample | 0.096 | 52,574 | 0.080 | 30,821 | 0.096 | 52,574 |
| Duration 1-2 years | 0.123 | 52,574 | 0.109 | 30,821 | 0.123 | 52,574 |
| Duration 3-5 years | 0.147 | 52,574 | 0.151 | 30,821 | 0.147 | 52,574 |
| Duration 6-8 years | 0.119 | 52,574 | 0.124 | 30,821 | 0.119 | 52,574 |
| Duration 9-12 years | 0.126 | 52,574 | 0.135 | 30,821 | 0.126 | 52,574 |
| Duration 13-17 years | 0.133 | 52,574 | 0.146 | 30,821 | 0.133 | 52,574 |
| Duration 18-23 years | 0.142 | 52,574 | 0.154 | 30,821 | 0.142 | 52,574 |
| Duration 24-30 years | 0.136 | 52,574 | 0.137 | 30,821 | 0.136 | 52,574 |

Source: Household, Income and Labour Dynamics in Australia, own calculations.

Table A.5 Complete output of generalized structural equation model for ego

| <i>Education</i> → <i>mediators</i> | Ego job strain | Ego employ. difficulty | Ego income insufficiency | Ego emerg. problems | Ego social isolation | Ego comm. exclusion | Ego health difficulties | Ego functional limitation | Ego neighb. disorder | Ego home dissatisfaction |
|-------------------------------------|----------------|------------------------|--------------------------|---------------------|----------------------|---------------------|-------------------------|---------------------------|----------------------|--------------------------|
| Ego educational attainment | 0.05*** | -0.07*** | -0.09*** | -0.11*** | -0.05*** | -0.03*** | -0.05*** | -0.05*** | -0.03*** | -0.00 |
| Union cohort | -0.00 | -0.00 | -0.00 | 0.00 | -0.00 | 0.00 | 0.01*** | 0.00*** | -0.00** | -0.00 |
| Refreshment sample | -0.07* | 0.11*** | 0.05 | 0.18*** | 0.05 | -0.02 | 0.07* | -0.01 | -0.05 | -0.04 |
| Duration 1-2 years | 0.02 | -0.01 | -0.03 | -0.14*** | 0.03* | -0.05** | 0.02 | -0.00 | -0.04* | 0.03 |
| Duration 3-5 years | -0.02 | -0.02 | -0.03 | -0.28*** | 0.07*** | -0.11*** | 0.03 | 0.01 | -0.14*** | 0.04 |
| Duration 6-8 years | -0.03 | -0.01 | -0.06** | -0.36*** | 0.09*** | -0.21*** | 0.04 | 0.03 | -0.24*** | 0.06* |
| Duration 9-12 years | -0.04 | 0.01 | -0.08** | -0.42*** | 0.10*** | -0.29*** | 0.07** | 0.07** | -0.33*** | -0.00 |
| Duration 13-17 years | 0.01 | -0.00 | -0.12** | -0.47*** | 0.10** | -0.35*** | 0.12 | 0.12 | -0.43*** | -0.07* |
| Duration 18-23 years | 0.05 | -0.00 | -0.16*** | -0.53*** | 0.14*** | -0.37*** | 0.21*** | 0.20*** | -0.46*** | -0.15** |
| Duration 24-30 years | -0.03 | -0.00 | -0.23*** | -0.63*** | 0.07 | -0.40*** | 0.33 | 0.35 | -0.50*** | -0.24*** |
| Intercept | -0.36 | 6.06* | 2.93 | 1.87 | 2.06 | -3.42 | -10.89*** | -9.05*** | 8.92** | 1.06 |

| <i>Education</i> → <i>mediators</i> | Ego female | Ego foreign-born Anglo | Ego f.-born non-Anglo | Ego religiosity | Ego parental separation | Ego age at union form. | Ego union order | Married since start | Same-sex union |
|-------------------------------------|------------|------------------------|-----------------------|-----------------|-------------------------|------------------------|-----------------|---------------------|----------------|
| Ego educational attainment | 0.01* | 0.00* | 0.01*** | 0.09*** | -0.02*** | -0.05 | -0.04*** | 0.01*** | 0.00*** |
| Union cohort | -0.00 | -0.00*** | -0.00*** | -0.03*** | 0.00** | 0.15*** | 0.02 | -0.01*** | 0.00* |
| Refreshment sample | 0.01 | 0.04** | 0.08*** | -0.03 | -0.01 | 0.50 | -0.19*** | 0.23*** | -0.00 |
| Duration 1-2 years | -0.00 | 0.01* | 0.01 | 0.08* | -0.02** | 0.53 | 0.00 | 0.02 | -0.00 |
| Duration 3-5 years | 0.00 | 0.01* | 0.02*** | 0.27*** | -0.04** | 1.38*** | -0.01 | 0.05*** | -0.01** |
| Duration 6-8 years | 0.00 | 0.01 | 0.02* | 0.32*** | -0.05*** | 1.53*** | -0.02 | 0.06*** | -0.01* |
| Duration 9-12 years | 0.00 | 0.01 | 0.01 | 0.31** | -0.06** | 1.32*** | -0.04 | 0.05*** | -0.01* |
| Duration 13-17 years | 0.01 | 0.01 | 0.02* | 0.27** | -0.06*** | 0.74** | -0.08** | 0.01 | -0.02*** |
| Duration 18-23 years | 0.00 | 0.00 | 0.01 | 0.37*** | -0.07*** | 0.22 | -0.13*** | 0.03* | -0.02*** |
| Duration 24-30 years | -0.00 | 0.00 | 0.01 | 0.41*** | -0.06*** | -0.27 | -0.16*** | 0.10 | -0.02*** |
| Intercept | 2.44 | 3.61*** | 4.10*** | 61.01 | -8.89*** | -279.32*** | -29.03*** | 20.70*** | -0.72* |

| <i>Mediators</i> → <i>Union dissolution</i> | Union dissolution |
|---|-------------------|
| Ego educational attainment | -0.03** |
| Ego job strain | -0.08*** |
| Ego employment difficulty | 0.02 |
| Ego income insufficiency | 0.06* |
| Ego emergency problems | 0.13*** |
| Ego social isolation | 0.12*** |
| Ego community exclusion | 0.04* |
| Ego health difficulties | 0.05 |
| Ego functional limitation | 0.04 |
| Ego neighborhood disorder | 0.03 |
| Ego home dissatisfaction | 0.07*** |
| Ego female | -0.15** |
| Ego foreign-born Anglophone | -0.09 |
| Ego foreign-born non-Anglophone | -0.01 |
| Ego religiosity | -0.01 |
| Ego parents separated in youth | 0.19*** |
| Ego age at union formation | -0.02*** |
| Ego union order | 0.09*** |
| Married since start | -0.71*** |
| Same-sex union | 0.44*** |
| Union cohort | 0.00 |
| Refreshment sample | -0.01 |
| Duration 1-2 years | -0.29*** |
| Duration 3-5 years | -0.65*** |
| Duration 6-8 years | -0.88*** |
| Duration 9-12 years | -1.19*** |
| Duration 13-17 years | -1.39*** |
| Duration 18-23 years | -1.42*** |
| Duration 24-30 years | -1.57*** |
| Intercept | -6.32 |
| <i>N</i> union-years | 52,574 |
| <i>N</i> unions | 7,930 |
| <i>N</i> dissolutions | 1,977 |

Notes: Non-exponentiated coefficients from a generalized structural equation model. * $p < .05$, ** $p < .01$, *** $p < .001$.

Source: Household, Income and Labour Dynamics in Australia, own calculations.

Table A.6 Complete output of generalized structural equation model for ego and partner

| <i>Education</i> → <i>mediators</i> | Ego job strain | Ego employ. difficulty | Ego income insufficiency | Ego emerg. problems | Ego social isolation | Ego comm. exclusion | Ego health difficulties | Ego functional limitation | Ego neighb. disorder | Ego home dissatisfaction |
|-------------------------------------|----------------|------------------------|--------------------------|---------------------|----------------------|---------------------|-------------------------|---------------------------|----------------------|--------------------------|
| Ego educational attainment | 0.05*** | -0.07*** | -0.09*** | -0.11*** | -0.05*** | -0.03*** | -0.05*** | -0.05*** | -0.03*** | -0.00 |
| Union cohort | -0.00 | -0.00 | -0.00 | 0.00 | -0.00 | 0.00 | 0.01*** | 0.00*** | -0.00** | -0.00 |
| Refreshment sample | -0.07* | 0.11*** | 0.05 | 0.18*** | 0.05 | -0.02 | 0.07* | -0.01 | -0.05 | -0.04 |
| Duration 1-2 years | 0.02 | -0.01 | -0.03 | -0.14*** | 0.03* | -0.05** | 0.02 | -0.00 | -0.04* | 0.03 |
| Duration 3-5 years | -0.02 | -0.02 | -0.03 | -0.28*** | 0.07*** | -0.11*** | 0.03 | 0.01 | -0.14*** | 0.04 |
| Duration 6-8 years | -0.03 | -0.01 | -0.06** | -0.36*** | 0.09*** | -0.21*** | 0.04 | 0.03 | -0.24*** | 0.06* |
| Duration 9-12 years | -0.04 | 0.01 | -0.08** | -0.42*** | 0.10*** | -0.29*** | 0.07** | 0.07** | -0.33*** | -0.00 |
| Duration 13-17 years | 0.01 | -0.00 | -0.12*** | -0.47*** | 0.10* | -0.35*** | 0.12 | 0.12 | -0.43*** | -0.07* |
| Duration 18-23 years | 0.05 | -0.00 | -0.16*** | -0.53*** | 0.14*** | -0.37*** | 0.21*** | 0.20*** | -0.46*** | -0.15** |
| Duration 24-30 years | -0.03 | -0.00 | -0.23*** | -0.63*** | 0.07 | -0.40*** | 0.33 | 0.35 | -0.50*** | -0.24*** |
| Intercept | -0.36 | 6.06* | 2.93 | 1.87 | 2.06 | -3.42 | -10.89** | -9.05*** | 8.92** | 1.06 |

| <i>Education</i> → <i>mediators (continued)</i> | Ego foreign-born Anglo | Ego f.-born non-Anglo | Ego religiosity | Ego parental separation | Ego age at union form. | Ego union order |
|---|------------------------|-----------------------|-----------------|-------------------------|------------------------|-----------------|
| Ego educational attainment | 0.00* | 0.01*** | 0.09** | -0.02*** | -0.05 | -0.04*** |
| Union cohort | -0.00*** | -0.00*** | -0.03*** | 0.00** | 0.15*** | 0.02*** |
| Refreshment sample | 0.04** | 0.08*** | -0.03 | -0.01 | 0.50 | -0.19** |
| Duration 1-2 years | 0.01* | 0.01 | 0.08* | -0.02 | 0.53*** | 0.00 |
| Duration 3-5 years | 0.01* | 0.02* | 0.27*** | -0.04*** | 1.38*** | -0.01 |
| Duration 6-8 years | 0.01 | 0.02** | 0.32*** | -0.05*** | 1.53*** | -0.02 |
| Duration 9-12 years | 0.00 | 0.01 | 0.31*** | -0.06*** | 1.32*** | -0.04 |
| Duration 13-17 years | 0.01 | 0.02* | 0.37*** | -0.07*** | 0.74** | -0.08** |
| Duration 18-23 years | 0.00 | 0.01 | 0.37*** | -0.07*** | 0.22 | -0.13*** |
| Duration 24-30 years | -0.00 | 0.01 | 0.41*** | -0.06*** | -0.27 | -0.16*** |
| Intercept | 3.61*** | 4.10*** | 61.01*** | -8.89*** | -279.32*** | -29.03** |

| <i>Education → mediators (continued)</i> | Partn job strain | Partn employ. difficulty | Partn income insufficiency | Partn emerg. problems | Partn social isolation | Partn comm. exclusion | Partn health difficulties | Partn funct. limitation | Partn neighb. disorder | Partn home dissatisfaction |
|--|------------------|--------------------------|----------------------------|-----------------------|------------------------|-----------------------|---------------------------|-------------------------|------------------------|----------------------------|
| Ego educational attainment | 0.04*** | -0.04*** | -0.10*** | -0.11*** | -0.04*** | -0.03*** | -0.05*** | -0.04*** | -0.03*** | -0.01* |
| Union cohort | -0.00 | -0.00 | -0.00 | -0.00 | -0.00 | -0.00 | 0.01*** | 0.00** | -0.00* | -0.00 |
| Refreshment sample | 0.03 | 0.10** | 0.06* | 0.22*** | 0.12*** | 0.01 | 0.07* | 0.01 | -0.05 | -0.01 |
| Duration 1-2 years | -0.01 | -0.01 | -0.00 | -0.14*** | 0.02 | -0.04* | 0.00 | -0.04* | -0.02 | 0.06** |
| Duration 3-5 years | -0.02 | -0.00 | -0.01 | -0.27*** | 0.07*** | -0.12*** | -0.03 | -0.03 | -0.14*** | 0.07** |
| Duration 6-8 years | -0.04 | 0.02 | -0.04 | -0.37*** | 0.07** | -0.21*** | 0.04 | 0.01 | -0.23*** | 0.07** |
| Duration 9-12 years | -0.03 | 0.02 | -0.06* | -0.43*** | 0.09** | -0.29*** | 0.06* | 0.05 | -0.34*** | 0.03 |
| Duration 13-17 years | 0.03 | 0.03 | -0.10** | -0.48*** | 0.07* | -0.37*** | 0.11*** | 0.12*** | -0.46*** | -0.04 |
| Duration 18-23 years | 0.06 | 0.04 | -0.14** | -0.55*** | 0.06 | -0.41*** | 0.19*** | 0.18*** | -0.46*** | -0.11** |
| Duration 24-30 years | 0.01 | 0.07 | -0.21*** | -0.66*** | 0.04 | -0.42*** | 0.32*** | 0.34*** | -0.52*** | -0.21*** |
| Intercept | 0.26 | 3.26 | 4.71 | 5.06 | 5.86* | 2.26 | -9.82*** | -9.30*** | 7.69** | 2.49 |

| <i>Education → mediators (continued)</i> | Partn edu attainment | Partn foreign-born Anglo | Partn f.-born non-Anglo | Partn religiosity | Partn parental separation | Partn age at union form. | Partn union order | Married since start | Same-sex union |
|--|----------------------|--------------------------|-------------------------|-------------------|---------------------------|--------------------------|-------------------|---------------------|----------------|
| Ego educational attainment | 0.42*** | 0.00 | 0.01*** | 0.06** | -0.01*** | 0.01 | -0.02*** | 0.01*** | 0.00*** |
| Union cohort | 0.01** | -0.00*** | -0.00*** | -0.03*** | 0.00*** | 0.16*** | 0.02*** | -0.01*** | 0.00* |
| Refreshment sample | 0.19* | 0.06*** | 0.07*** | 0.01 | 0.02 | 0.21 | -0.19*** | 0.23 | -0.00 |
| Duration 1-2 years | 0.06** | 0.00 | 0.01* | 0.07 | -0.01** | 0.54*** | 0.02 | 0.02** | -0.00 |
| Duration 3-5 years | 0.16*** | 0.01 | 0.02*** | 0.23*** | -0.04*** | 1.36*** | 0.01 | 0.05*** | -0.01** |
| Duration 6-8 years | 0.27*** | 0.01* | 0.01 | 0.32*** | -0.04*** | 1.60*** | -0.01 | 0.06** | -0.01* |
| Duration 9-12 years | 0.33*** | 0.01 | 0.02* | 0.37*** | -0.05*** | 1.64*** | -0.02 | 0.05*** | -0.01** |
| Duration 13-17 years | 0.34*** | -0.00 | 0.02* | 0.30*** | -0.05*** | 1.04*** | -0.08** | 0.01 | -0.02** |
| Duration 18-23 years | 0.31*** | -0.01 | 0.02 | 0.40*** | -0.07*** | 0.33 | -0.13*** | 0.03 | -0.02** |
| Duration 24-30 years | 0.25*** | -0.02 | -0.01 | 0.40*** | -0.08*** | -0.24 | -0.17*** | 0.10*** | -0.02** |
| Intercept | -10.75 | 3.93*** | 5.01*** | 62.38*** | -8.92** | -285.71 | -30.64*** | 20.70*** | -0.72* |

| <i>Mediators</i> → <i>Union dissolution</i> | Union dissolution |
|---|-------------------|
| Ego educational attainment | -0.02** |
| Ego job strain | -0.02 |
| Ego employment difficulty | -0.00 |
| Ego income insufficiency | 0.03 [†] |
| Ego emergency problems | 0.07*** |
| Ego social isolation | 0.10*** |
| Ego community exclusion | 0.03 [†] |
| Ego health difficulties | 0.04 [†] |
| Ego functional limitation | 0.04** |
| Ego neighborhood disorder | 0.01 |
| Ego home dissatisfaction | 0.04** |
| Ego female | -0.07 |
| Ego foreign-born Anglophone | 0.03 |
| Ego foreign-born non-Anglophone | 0.06 |
| Ego religiosity | -0.01 |
| Ego parents separated in youth | 0.18*** |
| Ego age at union formation | -0.01*** |
| Ego union order | 0.07*** |
| Partner job strain | -0.02 |
| Partner employment difficulty | -0.00 |
| Partner income insufficiency | 0.03 [†] |
| Partner emergency problems | 0.07*** |
| Partner social isolation | 0.10*** |
| Partner community exclusion | 0.03 [†] |
| Partner health difficulties | 0.04 [†] |
| Partner functional limitation | 0.04** |
| Partner neighborhood disorder | 0.01 |
| Partner home dissatisfaction | 0.04** |
| Partner educational attainment | -0.02** |
| Partner foreign-born Anglophone | 0.03 |
| Partner foreign-born non-Anglophone | 0.06 |
| Partner religiosity | -0.01 |
| Partner parents separated in youth | 0.18*** |
| Partner age at union formation | -0.01*** |
| Partner union order | 0.07*** |
| Married since start | -0.67*** |
| Same-sex union | 0.39** |
| Union cohort | 0.00 |
| Refreshment sample | -0.04 |
| Duration 1-2 years | -0.29*** |
| Duration 3-5 years | -0.66*** |
| Duration 6-8 years | -0.88*** |
| Duration 9-12 years | -1.19*** |
| Duration 13-17 years | -1.39*** |
| Duration 18-23 years | -1.41*** |
| Duration 24-30 years | -1.58*** |
| Intercept | -5.31 |
| <i>N</i> union-years | 52,574 |
| <i>N</i> unions | 7,930 |
| <i>N</i> dissolutions | 1,977 |

Notes: Non-exponentiated coefficients from a generalized structural equation model. * $p < .05$, ** $p < .01$, *** $p < .001$.

Source: Household, Income and Labour Dynamics in Australia, own calculations.

Table A.7 Event-history models of union dissolution, fully controlling for confounders

| | Ego model | | Ego + partner model | |
|--------------------------------------|-----------|-----------|---------------------|-----------|
| | <i>b</i> | <i>HR</i> | <i>b</i> | <i>HR</i> |
| Educational attainment | -0.080*** | 0.92 | -0.054*** | 0.95 |
| <i>Concomitant variables</i> | | | | |
| Union cohort | 0.003 | 1.00 | 0.003 | 1.00 |
| Refreshment sample | 0.060 | 1.06 | 0.054 | 1.06 |
| Duration 1-2 years | -0.308*** | 0.73 | -0.304*** | 0.74 |
| Duration 3-5 years | -0.695*** | 0.50 | -0.678*** | 0.51 |
| Duration 6-8 years | -0.939*** | 0.39 | -0.916*** | 0.40 |
| Duration 9-12 years | -1.265*** | 0.28 | -1.236*** | 0.29 |
| Duration 13-17 years | -1.479*** | 0.23 | -1.446*** | 0.24 |
| Duration 18-23 years | -1.497*** | 0.22 | -1.460*** | 0.23 |
| Duration 24-30 years | -1.667*** | 0.19 | -1.627*** | 0.20 |
| Intercept | -6.651 | 0.00 | -5.450 | 0.00 |
| <i>Confounding variables joint</i> | | | | |
| Married since start | -0.760*** | 0.47 | -0.713*** | 0.49 |
| Same-sex union | 0.424*** | 1.53 | 0.422*** | 1.53 |
| <i>Confounding variables ego</i> | | | | |
| Female | -0.081 | 0.92 | -0.046 | 0.95 |
| Overseas-born Anglophone | -0.090 | 0.91 | 0.002 | 1.00 |
| Overseas-born non-Anglophone | 0.034 | 1.03 | 0.104* | 1.11 |
| Religiosity | -0.006 | 0.99 | -0.003 | 1.00 |
| Parents separated in youth | 0.270*** | 1.31 | 0.248*** | 1.28 |
| Age at union formation | -0.022*** | 0.98 | -0.014*** | 0.99 |
| Union order | 0.124*** | 1.13 | 0.102*** | 1.11 |
| <i>Confounding variables partner</i> | | | | |
| Educational attainment | | | -0.054*** | 0.95 |
| Overseas-born Anglophone | | | 0.002 | 1.00 |
| Overseas-born non-Anglophone | | | 0.104* | 1.11 |
| Religiosity | | | -0.003 | 1.00 |
| Parents separated in youth | | | 0.248*** | 1.28 |
| Age at union formation | | | -0.014*** | 0.99 |
| Union order | | | 0.102*** | 1.11 |
| <i>N</i> union-years | 52,574 | | 52,574 | |
| <i>N</i> unions | 7,930 | | 7,930 | |
| <i>N</i> dissolutions | 1,977 | | 1,977 | |

Notes: Hazard ratios show exponentiated coefficients from a Poisson regression. The mediation analysis used different total effects because of the rescaling implied in nonlinear models. * $p < .05$, ** $p < .01$, *** $p < .001$.

Source: Household, Income and Labour Dynamics in Australia, own calculations.

Table A.8 Effects of educational attainment on ego's and partner's life strains, fully controlling for confounders

| | Ego model | Ego + partner model | |
|-------------------------|------------------------|----------------------------|------------------------|
| | Ego strains | Ego strains | Partner strains |
| | <i>b_{edu}</i> | <i>b_{edu}</i> | <i>b_{edu}</i> |
| <i>Work</i> | | | |
| Job strain | 0.05*** | 0.05*** | 0.02*** |
| Employment difficulty | -0.07*** | -0.07*** | -0.02*** |
| <i>Finance</i> | | | |
| Income insufficiency | -0.09*** | -0.07*** | -0.07*** |
| Emergency problems | -0.11*** | -0.08*** | -0.07*** |
| <i>Social relations</i> | | | |
| Social isolation | -0.05*** | -0.04*** | -0.03*** |
| Community exclusion | -0.03*** | -0.02*** | -0.02*** |
| <i>Health</i> | | | |
| Health difficulties | -0.05*** | -0.05*** | -0.03*** |
| Functional limitation | -0.05*** | -0.04*** | -0.02*** |
| <i>Residence</i> | | | |
| Neighborhood disorder | -0.03*** | -0.02*** | -0.02*** |
| Home dissatisfaction | 0.00 | 0.01 | -0.01 |

Notes: Coefficients from linear regressions of each life strain on ego education. Ego models controlled for ego education, duration, union cohort, refreshment sample, marital status, union sex composition, and ego sex, ethnicity, religiosity, parental separation, age at union formation, and union order. Ego + partner models additionally controlled for partner education and partner ethnicity, religiosity, parental separation, age at union formation, and union order. $N = 52,574$ union-years; 7,930 unions. * $p < .05$, ** $p < .01$, *** $p < .001$.

Source: Household, Income and Labour Dynamics in Australia, own calculations.

Table A.9 Effects of ego's and partner's life strains on union dissolution, fully controlling for confounders

| | Ego model | | Ego + partner model | | | |
|-------------------------|----------------------------|-----------------------------|----------------------------|-----------------------------|----------------------------|-----------------------------|
| | Ego effects | | Ego effects | | Partner effects | |
| | <i>b</i> _{strain} | <i>HR</i> _{strain} | <i>b</i> _{strain} | <i>HR</i> _{strain} | <i>b</i> _{strain} | <i>HR</i> _{strain} |
| <i>Work</i> | | | | | | |
| Job strain | -0.08*** | 0.92 | -0.02 | 0.98 | -0.02 | 0.98 |
| Employment difficulty | 0.02 | 1.02 | -0.00 | 1.00 | -0.00 | 1.00 |
| <i>Finance</i> | | | | | | |
| Income insufficiency | 0.06* | 1.06 | 0.03* | 1.03 | 0.03* | 1.03 |
| Emergency problems | 0.13*** | 1.14 | 0.07*** | 1.07 | 0.07*** | 1.07 |
| <i>Social relations</i> | | | | | | |
| Social isolation | 0.12*** | 1.13 | 0.10*** | 1.10 | 0.10*** | 1.10 |
| Community exclusion | 0.04* | 1.05 | 0.03* | 1.03 | 0.03* | 1.03 |
| <i>Health</i> | | | | | | |
| Health difficulties | 0.05 | 1.05 | 0.04* | 1.04 | 0.04* | 1.04 |
| Functional limitation | 0.04 | 1.04 | 0.04** | 1.05 | 0.04** | 1.05 |
| <i>Residence</i> | | | | | | |
| Neighborhood disorder | 0.03 | 1.03 | 0.01 | 1.01 | 0.01 | 1.01 |
| Home dissatisfaction | 0.07*** | 1.07 | 0.04** | 1.04 | 0.04** | 1.04 |

Notes: Exponentiated coefficients from a Poisson regression of union dissolution on all life strains. Ego models controlled for ego education, duration, union cohort, refreshment sample, marital status, union sex composition, and ego sex, ethnicity, religiosity, parental separation, age at union formation, and union order. Ego + partner models additionally controlled for partner education and partner ethnicity, religiosity, parental separation, age at union formation, and union order. $N = 52,574$ union-years; 7,930 unions. * $p < .05$, ** $p < .01$, *** $p < .001$.

Source: Household, Income and Labour Dynamics in Australia, own calculations.

Table A.10 Mediation of educational gradient in union dissolution by ego's and partner's life strains, fully controlling for confounders

| | Ego model | | Ego + partner model | |
|-------------------------|--------------------------|---------------|----------------------------|---------------|
| | <i>b</i> indirect effect | Explained (%) | <i>b</i> indirect effect | Explained (%) |
| <i>Work</i> | | | | |
| Job strain | -0.004*** | 6.23 | -0.001 | 2.21 |
| Employment difficulty | -0.002 | 2.33 | 0.000 | -0.36 |
| <i>Finance</i> | | | | |
| Income insufficiency | -0.005* | 7.86 | -0.004** | 8.97 |
| Emergency problems | -0.014*** | 20.53 | -0.010*** | 21.61 |
| <i>Social relations</i> | | | | |
| Social isolation | -0.006*** | 8.25 | -0.007*** | 14.07 |
| Community exclusion | -0.001 | 1.64 | -0.001** | 2.75 |
| <i>Health</i> | | | | |
| Health difficulties | -0.002 | 3.59 | -0.003** | 6.63 |
| Functional limitation | -0.002 | 2.55 | -0.003*** | 5.95 |
| <i>Residence</i> | | | | |
| Neighborhood disorder | -0.001 | 1.01 | -0.000 | 0.51 |
| Home dissatisfaction | 0.000 | -0.15 | 0.000 | -0.02 |
| All mediators | | 53.84 | | 62.33 |

Notes: Products of coefficients from a generalized structural equation model with paths linking education to life strains and paths linking life strains to union dissolution. $N = 52,574$ union-years; 7,930 unions. * $p < .05$, ** $p < .01$, *** $p < .001$.

Source: Household, Income and Labour Dynamics in Australia, own calculations.

Table A.11 Effects of educational attainment on ego's and partner's life strains, listwise deletion

| | Ego model | Ego + partner model | |
|-------------------------|------------------|----------------------------|-----------------|
| | Ego strains | Ego strains | Partner strains |
| | \bar{b}_{edu} | \bar{b}_{edu} | \bar{b}_{edu} |
| <i>Work</i> | | | |
| Job strain | 0.03*** | 0.03*** | 0.02*** |
| Employment difficulty | -0.06*** | -0.05*** | -0.03*** |
| <i>Finance</i> | | | |
| Income insufficiency | -0.09*** | -0.09*** | -0.09*** |
| Emergency problems | -0.10*** | -0.09*** | -0.08*** |
| <i>Social relations</i> | | | |
| Social isolation | -0.04*** | -0.04*** | -0.04*** |
| Community exclusion | -0.03*** | -0.03*** | -0.02*** |
| <i>Health</i> | | | |
| Health difficulties | -0.03*** | -0.03*** | -0.03*** |
| Functional limitation | -0.03*** | -0.03*** | -0.02*** |
| <i>Residence</i> | | | |
| Neighborhood disorder | -0.03*** | -0.03*** | -0.03*** |
| Home dissatisfaction | -0.00 | 0.00 | -0.01* |

Notes: Coefficients from linear regressions of each life strain on ego education, controlling for duration, union cohort, and refreshment sample. $N = 30,821$ union-years; 5,059 unions. * $p < .05$, ** $p < .01$, *** $p < .001$.

Source: Household, Income and Labour Dynamics in Australia, own calculations.

Table A.12 Effects of ego's and partner's life strains on union dissolution, listwise deletion

| | Ego model | | Ego + partner model | | | |
|-------------------------|----------------------------|-----------------------------|----------------------------|-----------------------------|----------------------------|-----------------------------|
| | Ego effects | | Ego effects | | Partner effects | |
| | <i>b</i> _{strain} | <i>HR</i> _{strain} | <i>b</i> _{strain} | <i>HR</i> _{strain} | <i>b</i> _{strain} | <i>HR</i> _{strain} |
| <i>Work</i> | | | | | | |
| Job strain | -0.10** | 0.91 | -0.01 | 0.99 | -0.01 | 0.99 |
| Employment difficulty | -0.03 | 0.97 | 0.01 | 1.01 | 0.01 | 1.01 |
| <i>Finance</i> | | | | | | |
| Income insufficiency | 0.11** | 1.11 | 0.03 | 1.03 | 0.03 | 1.03 |
| Emergency problems | 0.15*** | 1.16 | 0.10*** | 1.10 | 0.10*** | 1.10 |
| <i>Social relations</i> | | | | | | |
| Social isolation | 0.16*** | 1.18 | 0.13*** | 1.14 | 0.13*** | 1.14 |
| Community exclusion | 0.03 | 1.03 | 0.01 | 1.01 | 0.01 | 1.01 |
| <i>Health</i> | | | | | | |
| Health difficulties | 0.04 | 1.04 | 0.04 | 1.04 | 0.04 | 1.04 |
| Functional limitation | 0.03 | 1.03 | 0.03 | 1.03 | 0.03 | 1.03 |
| <i>Residence</i> | | | | | | |
| Neighborhood disorder | 0.03 | 1.03 | 0.02 | 1.02 | 0.02 | 1.02 |
| Home dissatisfaction | 0.10*** | 1.11 | 0.07*** | 1.07 | 0.07*** | 1.07 |

Notes: Exponentiated coefficients from a Poisson regression of union dissolution on all life strains. Ego models controlled for ego education, duration, union cohort, refreshment sample, marital status, union sex composition, and ego sex, ethnicity, religiosity, parental separation, age at union formation, and union order. Ego + partner models additionally controlled for partner education and partner ethnicity, religiosity, parental separation, age at union formation, and union order. $N = 30,821$ union-years; 5,059 unions. * $p < .05$, ** $p < .01$, *** $p < .001$.

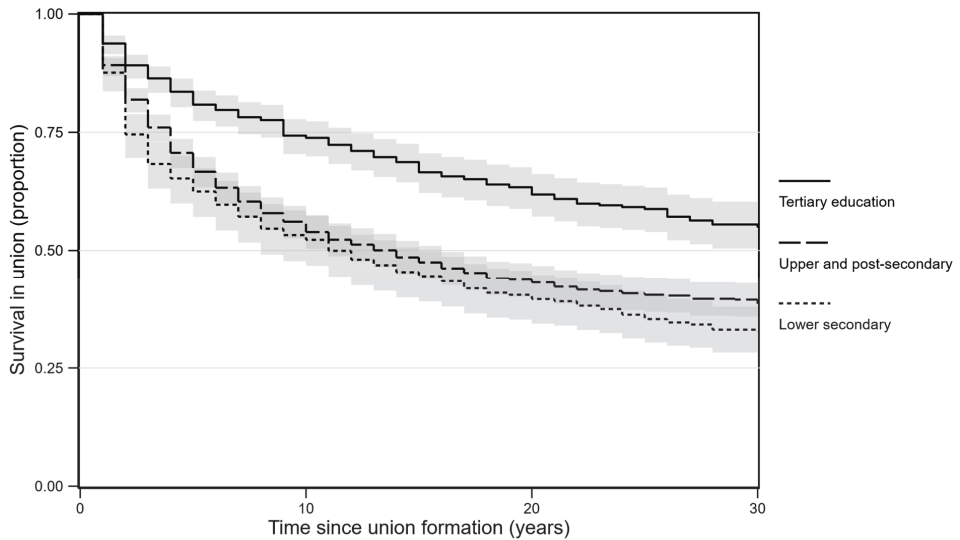
Source: Household, Income and Labour Dynamics in Australia, own calculations.

Table A.13 Mediation of educational gradient in union dissolution by ego's and partner's life strains, listwise deletion

| | Ego model | | Ego + partner model | |
|-------------------------|-------------------------------------|---------------|-------------------------------------|---------------|
| | <i>b</i> _{indirect effect} | Explained (%) | <i>b</i> _{indirect effect} | Explained (%) |
| <i>Work</i> | | | | |
| Job strain | -0.003** | 3.75 | -0.001 | 0.87 |
| Employment difficulty | 0.002 | -1.81 | -0.001 | 1.28 |
| <i>Finance</i> | | | | |
| Income insufficiency | -0.010** | 11.42 | -0.006 | 7.70 |
| Emergency problems | -0.014*** | 16.43 | -0.017*** | 22.17 |
| <i>Social relations</i> | | | | |
| Social isolation | -0.007*** | 7.82 | -0.010*** | 12.66 |
| Community exclusion | -0.001 | 0.89 | -0.001 | 0.84 |
| <i>Health</i> | | | | |
| Health difficulties | -0.001 | 1.72 | -0.002* | 3.13 |
| Functional limitation | -0.001 | 1.05 | -0.001 | 1.75 |
| <i>Residence</i> | | | | |
| Neighborhood disorder | -0.001 | 1.17 | -0.001 | 1.48 |
| Home dissatisfaction | -0.000 | 0.18 | -0.000 | 0.57 |
| All mediators | | 42.59 | | 52.45 |

Notes: Products of coefficients from a generalized structural equation model with paths linking education to life strains and paths linking life strains to union dissolution. $N = 30,821$ union-years; 5,059 unions. * $p < .05$, ** $p < .01$, *** $p < .001$.

Source: Household, Income and Labour Dynamics in Australia, own calculations.

Figure A.8 Union survival curves by education level, heterosexual men

Source: Household, Income and Labour Dynamics in Australia, own calculations.

Table A.14 Event-history models of union dissolution, heterosexual men

| | <i>b</i> | <i>HR</i> |
|------------------------|-----------|-----------|
| Educational attainment | -0.119*** | 0.89 |
| Union cohort | 0.008 | 1.01 |
| Refreshment sample | -0.092 | 0.91 |
| Duration 1-2 years | -0.368*** | 0.69 |
| Duration 3-5 years | -0.770*** | 0.46 |
| Duration 6-8 years | -1.056*** | 0.35 |
| Duration 9-12 years | -1.388*** | 0.25 |
| Duration 13-17 years | -1.563*** | 0.21 |
| Duration 18-23 years | -1.593*** | 0.20 |
| Duration 24-30 years | -1.805*** | 0.16 |
| Intercept | -16.494 | 0.00 |
| <i>N</i> union-years | 51,844 | |
| <i>N</i> unions | 7,784 | |
| <i>N</i> dissolutions | 1,917 | |

Notes: Hazard ratios show exponentiated coefficients from a Poisson regression. The mediation analysis used different total effects because of the rescaling implied in nonlinear models. * $p < .05$, ** $p < .01$, *** $p < .001$.

Source: Household, Income and Labour Dynamics in Australia, own calculations.

Table A.15 Effects of educational attainment on his and her life strains, heterosexual men

| | His model | His + her model | |
|-------------------------|------------------|------------------------|-----------------|
| | His strains | His strains | Her strains |
| | \bar{b}_{edu} | \bar{b}_{edu} | \bar{b}_{edu} |
| <i>Work</i> | | | |
| Job strain | 0.03*** | 0.03*** | 0.04*** |
| Employment difficulty | -0.05*** | -0.05*** | -0.05*** |
| <i>Finance</i> | | | |
| Income insufficiency | -0.10*** | -0.10*** | -0.10*** |
| Emergency problems | -0.11*** | -0.11*** | -0.11*** |
| <i>Social relations</i> | | | |
| Social isolation | -0.04*** | -0.04*** | -0.05*** |
| Community exclusion | -0.02*** | -0.02*** | -0.02*** |
| <i>Health</i> | | | |
| Health difficulties | -0.06*** | -0.06*** | -0.04*** |
| Functional limitation | -0.05*** | -0.05*** | -0.04*** |
| <i>Residence</i> | | | |
| Neighborhood disorder | -0.03*** | -0.03*** | -0.03*** |
| Home dissatisfaction | -0.00 | -0.00 | -0.02*** |

Notes: Coefficients from linear regressions of each life strain on ego education, controlling for duration, union cohort, and refreshment sample. $N = 51,844$ union-years; 7,784 unions. * $p < .05$, ** $p < .01$, *** $p < .001$.

Source: Household, Income and Labour Dynamics in Australia, own calculations.

Table A.16 Effects of his and her life strains on union dissolution, heterosexual men

| | Ego model | | Ego + partner model | | | |
|-------------------------|----------------------------|-----------------------------|----------------------------|-----------------------------|----------------------------|-----------------------------|
| | Ego effects | | Ego effects | | Partner effects | |
| | <i>b</i> _{strain} | <i>HR</i> _{strain} | <i>b</i> _{strain} | <i>HR</i> _{strain} | <i>b</i> _{strain} | <i>HR</i> _{strain} |
| <i>Work</i> | | | | | | |
| Job strain | -0.08** | 0.92 | -0.07** | 0.94 | 0.03 | 1.03 |
| Employment difficulty | 0.00 | 1.00 | -0.00 | 1.00 | -0.00 | 1.00 |
| <i>Finance</i> | | | | | | |
| Income insufficiency | 0.05* | 1.05 | 0.01 | 1.01 | 0.05 | 1.05 |
| Emergency problems | 0.12*** | 1.13 | 0.06* | 1.06 | 0.08** | 1.08 |
| <i>Social relations</i> | | | | | | |
| Social isolation | 0.17*** | 1.19 | 0.16*** | 1.17 | 0.04 | 1.04 |
| Community exclusion | 0.04 | 1.04 | 0.02 | 1.02 | 0.05* | 1.05 |
| <i>Health</i> | | | | | | |
| Health difficulties | 0.05* | 1.05 | 0.05* | 1.05 | 0.03 | 1.03 |
| Functional limitation | 0.06* | 1.06 | 0.05* | 1.05 | 0.04 | 1.04 |
| <i>Residence</i> | | | | | | |
| Neighborhood disorder | 0.02 | 1.02 | 0.00 | 1.00 | 0.01 | 1.01 |
| Home dissatisfaction | 0.07** | 1.07 | 0.03 | 1.04 | 0.05* | 1.05 |

Notes: Exponentiated coefficients from a Poisson regression of union dissolution on all life strains. Ego models controlled for ego education, duration, union cohort, refreshment sample, marital status, and ego ethnicity, religiosity, parental separation, age at union formation, and union order. Ego + partner models additionally controlled for partner education and partner ethnicity, religiosity, parental separation, age at union formation, and union order. $N = 51,844$ union-years; 7,784 unions. * $p < .05$, ** $p < .01$, *** $p < .001$.

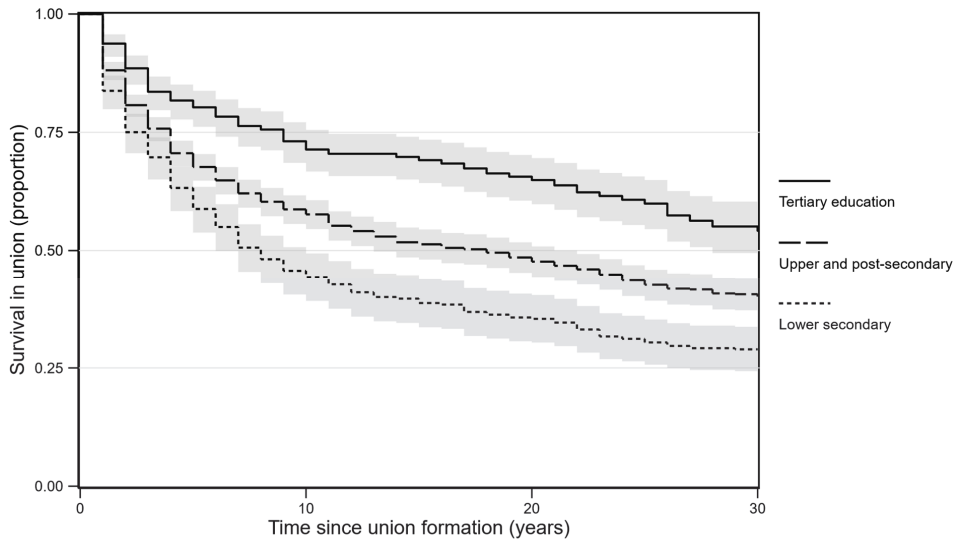
Source: Household, Income and Labour Dynamics in Australia, own calculations.

Table A.17 Mediation of educational gradient in union dissolution by his and her life strains, heterosexual men

| | His model | | His + her model | |
|-------------------------|-------------------------------------|---------------|-------------------------------------|---------------|
| | <i>b</i> _{indirect effect} | Explained (%) | <i>b</i> _{indirect effect} | Explained (%) |
| <i>Work</i> | | | | |
| Job strain | -0.003** | 2.65 | -0.001 | 1.01 |
| Employment difficulty | -0.000 | 0.02 | 0.000 | -0.26 |
| <i>Finance</i> | | | | |
| Income insufficiency | -0.005* | 5.26 | -0.006 | 6.00 |
| Emergency problems | -0.014*** | 13.59 | -0.016*** | 15.81 |
| <i>Social relations</i> | | | | |
| Social isolation | -0.006*** | 6.38 | -0.008*** | 8.00 |
| Community exclusion | -0.001 | 0.92 | -0.002 | 1.59 |
| <i>Health</i> | | | | |
| Health difficulties | -0.003* | 3.03 | -0.004* | 4.33 |
| Functional limitation | -0.003* | 2.92 | -0.004** | 3.96 |
| <i>Residence</i> | | | | |
| Neighborhood disorder | -0.001 | 0.68 | -0.000 | 0.40 |
| Home dissatisfaction | -0.000 | 0.02 | -0.001 | 0.76 |
| All mediators | | 35.47 | | 41.59 |

Notes: Products of coefficients from a generalized structural equation model with paths linking education to life strains and paths linking life strains to union dissolution. $N = 51,844$ union-years; 7,784 unions. * $p < .05$, ** $p < .01$, *** $p < .001$.

Source: Household, Income and Labour Dynamics in Australia, own calculations.

Figure A.9 Union survival curves by education level, heterosexual women

Source: Household, Income and Labour Dynamics in Australia, own calculations.

Table A.18 Event-history model of union dissolution, heterosexual women

| | <i>b</i> | <i>HR</i> |
|------------------------|-----------|-----------|
| Educational attainment | -0.090*** | 0.91 |
| Union cohort | 0.011* | 1.01 |
| Refreshment sample | -0.125 | 0.88 |
| Duration 1-2 years | -0.369*** | 0.69 |
| Duration 3-5 years | -0.775*** | 0.46 |
| Duration 6-8 years | -1.063*** | 0.35 |
| Duration 9-12 years | -1.393*** | 0.25 |
| Duration 13-17 years | -1.571*** | 0.21 |
| Duration 18-23 years | -1.608*** | 0.20 |
| Duration 24-30 years | -1.816*** | 0.16 |
| Intercept | -21.897* | 0.00 |
| <i>N</i> union-years | 51,844 | |
| <i>N</i> unions | 7,784 | |
| <i>N</i> dissolutions | 1,917 | |

Notes: Hazard ratios show exponentiated coefficients from a Poisson regression. The mediation analysis used different total effects because of the rescaling implied in nonlinear models. * $p < .05$, ** $p < .01$, *** $p < .001$.

Source: Household, Income and Labour Dynamics in Australia, own calculations.

Table A.19 Effects of educational attainment on his and her life strains, heterosexual women

| | Her model | | Her + his model | |
|-------------------------|------------------|--|------------------------|-----------------|
| | Her strains | | Her strains | His strains |
| | \bar{b}_{edu} | | \bar{b}_{edu} | \bar{b}_{edu} |
| <i>Work</i> | | | | |
| Job strain | 0.07*** | | 0.07*** | 0.04*** |
| Employment difficulty | -0.08*** | | -0.08*** | -0.04*** |
| <i>Finance</i> | | | | |
| Income insufficiency | -0.09*** | | -0.09*** | -0.08*** |
| Emergency problems | -0.11*** | | -0.11*** | -0.09*** |
| <i>Social relations</i> | | | | |
| Social isolation | -0.05*** | | -0.05*** | -0.04*** |
| Community exclusion | -0.03*** | | -0.03*** | -0.02*** |
| <i>Health</i> | | | | |
| Health difficulties | -0.05*** | | -0.05*** | -0.04*** |
| Functional limitation | -0.04*** | | -0.04*** | -0.04*** |
| <i>Residence</i> | | | | |
| Neighborhood disorder | -0.03*** | | -0.03*** | -0.03*** |
| Home dissatisfaction | -0.00 | | -0.00 | -0.01 |

Notes: Coefficients from linear regressions of each life strain on ego education, controlling for duration, union cohort, and refreshment sample. $N = 51,844$ union-years; 7,784 unions. * $p < .05$, ** $p < .01$, *** $p < .001$.

Source: Household, Income and Labour Dynamics in Australia, own calculations.

Table A.20 Effects of his and her life strains on union dissolution, heterosexual women

| | Ego model | | Ego + partner model | | | |
|-------------------------|----------------------------|-----------------------------|----------------------------|-----------------------------|----------------------------|-----------------------------|
| | Ego effects | | Ego effects | | Partner effects | |
| | <i>b</i> _{strain} | <i>HR</i> _{strain} | <i>b</i> _{strain} | <i>HR</i> _{strain} | <i>b</i> _{strain} | <i>HR</i> _{strain} |
| <i>Work</i> | | | | | | |
| Job strain | 0.01 | 1.01 | 0.03 | 1.03 | -0.07** | 0.94 |
| Employment difficulty | 0.01 | 1.01 | -0.00 | 1.00 | -0.00 | 1.00 |
| <i>Finance</i> | | | | | | |
| Income insufficiency | 0.08** | 1.08 | 0.05 | 1.05 | 0.01 | 1.01 |
| Emergency problems | 0.14*** | 1.16 | 0.08** | 1.08 | 0.06* | 1.06 |
| <i>Social relations</i> | | | | | | |
| Social isolation | 0.08*** | 1.09 | 0.04 | 1.04 | 0.16*** | 1.17 |
| Community exclusion | 0.06* | 1.06 | 0.05* | 1.05 | 0.02 | 1.02 |
| <i>Health</i> | | | | | | |
| Health difficulties | 0.04 | 1.04 | 0.03 | 1.03 | 0.05* | 1.05 |
| Functional limitation | 0.06** | 1.06 | 0.04 | 1.04 | 0.05* | 1.05 |
| <i>Residence</i> | | | | | | |
| Neighborhood disorder | 0.03 | 1.03 | 0.01 | 1.01 | 0.00 | 1.00 |
| Home dissatisfaction | 0.07*** | 1.07 | 0.05* | 1.05 | 0.03 | 1.04 |

Notes: Exponentiated coefficients from a Poisson regression of union dissolution on all life strains. Ego models controlled for ego education, duration, union cohort, refreshment sample, marital status, and ego ethnicity, religiosity, parental separation, age at union formation, and union order. Ego + partner models additionally controlled for partner education and partner ethnicity, religiosity, parental separation, age at union formation, and union order. N = 51,844 union-years; 7,784 unions. * $p < .05$, ** $p < .01$, *** $p < .001$.

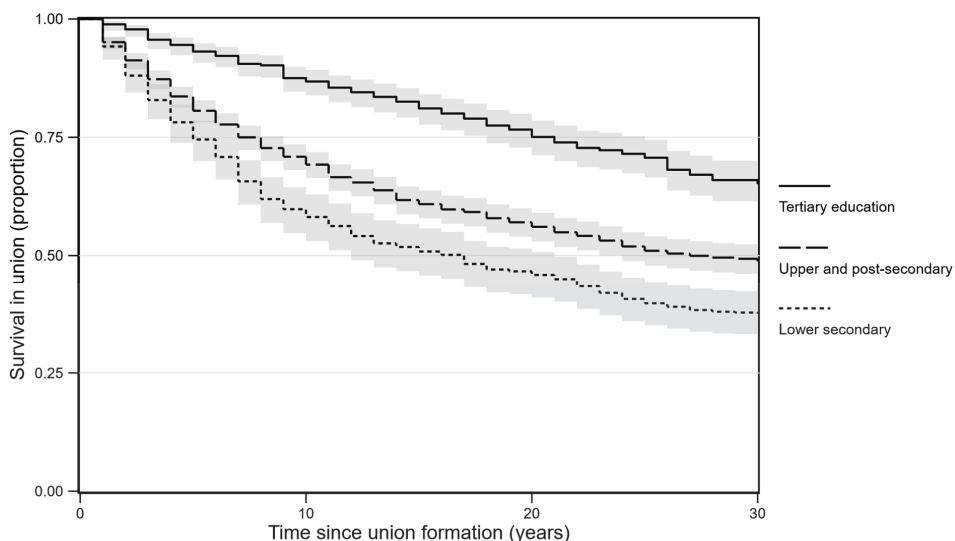
Source: Household, Income and Labour Dynamics in Australia, own calculations.

Table A.21 Mediation of educational gradient in union dissolution by his and her life strains, heterosexual women

| | Her model | | Her + his model | |
|-------------------------|-------------------------------------|---------------|-------------------------------------|---------------|
| | <i>b</i> _{indirect effect} | Explained (%) | <i>b</i> _{indirect effect} | Explained (%) |
| <i>Work</i> | | | | |
| Job strain | 0.000 | -0.61 | 0.000 | -0.04 |
| Employment difficulty | -0.001 | 1.28 | 0.000 | -0.48 |
| <i>Finance</i> | | | | |
| Income insufficiency | -0.007** | 9.19 | -0.005 | 6.87 |
| Emergency problems | -0.015*** | 20.40 | -0.014*** | 19.63 |
| <i>Social relations</i> | | | | |
| Social isolation | -0.005*** | 5.93 | -0.008*** | 10.96 |
| Community exclusion | -0.002* | 2.25 | -0.002* | 2.53 |
| <i>Health</i> | | | | |
| Health difficulties | -0.002 | 2.43 | -0.004* | 5.04 |
| Functional limitation | -0.002** | 3.25 | -0.003** | 4.91 |
| <i>Residence</i> | | | | |
| Neighborhood disorder | -0.001 | 0.93 | -0.000 | 0.56 |
| Home dissatisfaction | -0.000 | 0.43 | -0.000 | 0.54 |
| All mediators | | 45.49 | | 50.54 |

Notes: Products of coefficients from a generalized structural equation model with paths linking education to life strains and paths linking life strains to union dissolution. $N = 51,844$ union-years; 7,784 unions. * $p < .05$, ** $p < .01$, *** $p < .001$.

Source: Household, Income and Labour Dynamics in Australia, own calculations.

Figure A.10 Union survival curves by education level, couples with children

Source: Household, Income and Labour Dynamics in Australia, own calculations.

Table A.22 Event-history model of union dissolution, couples with children

| | <i>b</i> | <i>HR</i> |
|------------------------|-----------|-----------|
| Educational attainment | -0.131*** | 0.88 |
| Union cohort | 0.016* | 1.02 |
| Refreshment sample | -0.061 | 0.94 |
| Duration 1-2 years | -0.022 | 0.98 |
| Duration 3-5 years | -0.160 | 0.85 |
| Duration 6-8 years | -0.171 | 0.84 |
| Duration 9-12 years | -0.399** | 0.67 |
| Duration 13-17 years | -0.496** | 0.61 |
| Duration 18-23 years | -0.472* | 0.62 |
| Duration 24-30 years | -0.722** | 0.49 |
| Intercept | -32.939* | 0.00 |
| <i>N</i> union-years | 40,051 | |
| <i>N</i> unions | 5,169 | |
| <i>N</i> dissolutions | 972 | |

Notes: Hazard ratios show exponentiated coefficients from a Poisson regression. The mediation analysis used different total effects because of the rescaling implied in nonlinear models. * $p < .05$, ** $p < .01$, *** $p < .001$.

Source: Household, Income and Labour Dynamics in Australia, own calculations.

Table A.23 Effects of educational attainment on ego's and partner's life strains, couples with children

| | Ego model | | Ego + partner model | |
|-------------------------|------------------|----------|----------------------------|-----------------|
| | Ego strains | | Ego strains | Partner strains |
| | \bar{b}_{edu} | | \bar{b}_{edu} | \bar{b}_{edu} |
| <i>Work</i> | | | | |
| Job strain | 0.05*** | 0.05*** | 0.04*** | 0.04*** |
| Employment difficulty | -0.07*** | -0.07*** | -0.04*** | -0.04*** |
| <i>Finance</i> | | | | |
| Income insufficiency | -0.10*** | -0.10*** | -0.10*** | -0.10*** |
| Emergency problems | -0.11*** | -0.11*** | -0.11*** | -0.11*** |
| <i>Social relations</i> | | | | |
| Social isolation | -0.05*** | -0.05*** | -0.04*** | -0.04*** |
| Community exclusion | -0.03*** | -0.03*** | -0.03*** | -0.03*** |
| <i>Health</i> | | | | |
| Health difficulties | -0.05*** | -0.05*** | -0.04*** | -0.04*** |
| Functional limitation | -0.04*** | -0.04*** | -0.03*** | -0.03*** |
| <i>Residence</i> | | | | |
| Neighborhood disorder | -0.04*** | -0.04*** | -0.03*** | -0.03*** |
| Home dissatisfaction | -0.01 | -0.01 | -0.02*** | -0.02*** |

Notes: Coefficients from linear regressions of each life strain on ego education, controlling for duration, union cohort, and refreshment sample. $N = 40,051$ union-years; 5,169 unions. * $p < .05$, ** $p < .01$, *** $p < .001$.

Source: Household, Income and Labour Dynamics in Australia, own calculations.

Table A.24 Effects of ego's and partner's life strains on union dissolution, couples with children

| | Ego model | | Ego + partner model | | | |
|-------------------------|----------------------------|-----------------------------|----------------------------|-----------------------------|----------------------------|-----------------------------|
| | Ego effects | | Ego effects | | Partner effects | |
| | <i>b</i> _{strain} | <i>HR</i> _{strain} | <i>b</i> _{strain} | <i>HR</i> _{strain} | <i>b</i> _{strain} | <i>HR</i> _{strain} |
| <i>Work</i> | | | | | | |
| Job strain | -0.12*** | 0.89 | -0.05* | 0.95 | -0.05* | 0.95 |
| Employment difficulty | 0.07* | 1.07 | 0.01 | 1.01 | 0.01 | 1.01 |
| <i>Finance</i> | | | | | | |
| Income insufficiency | 0.11** | 1.11 | 0.07** | 1.07 | 0.07** | 1.07 |
| Emergency problems | 0.16*** | 1.18 | 0.06** | 1.07 | 0.06** | 1.07 |
| <i>Social relations</i> | | | | | | |
| Social isolation | 0.17*** | 1.19 | 0.14*** | 1.15 | 0.14*** | 1.15 |
| Community exclusion | 0.06 | 1.06 | 0.04 | 1.04 | 0.04 | 1.04 |
| <i>Health</i> | | | | | | |
| Health difficulties | 0.03 | 1.03 | 0.03 | 1.03 | 0.03 | 1.03 |
| Functional limitation | 0.02 | 1.02 | 0.05* | 1.06 | 0.05* | 1.06 |
| <i>Residence</i> | | | | | | |
| Neighborhood disorder | -0.03 | 0.97 | -0.03 | 0.97 | -0.03 | 0.97 |
| Home dissatisfaction | 0.11*** | 1.12 | 0.06*** | 1.06 | 0.06*** | 1.06 |

Notes: Exponentiated coefficients from a Poisson regression of union dissolution on all life strains. Ego models controlled for ego education, duration, union cohort, refreshment sample, marital status, and ego sex, ethnicity, religiosity, parental separation, age at union formation, and union order. Ego + partner models additionally controlled for partner education and partner ethnicity, religiosity, parental separation, age at union formation, and union order. $N = 40,051$ union-years; 5,169 unions. * $p < .05$, ** $p < .01$, *** $p < .001$.

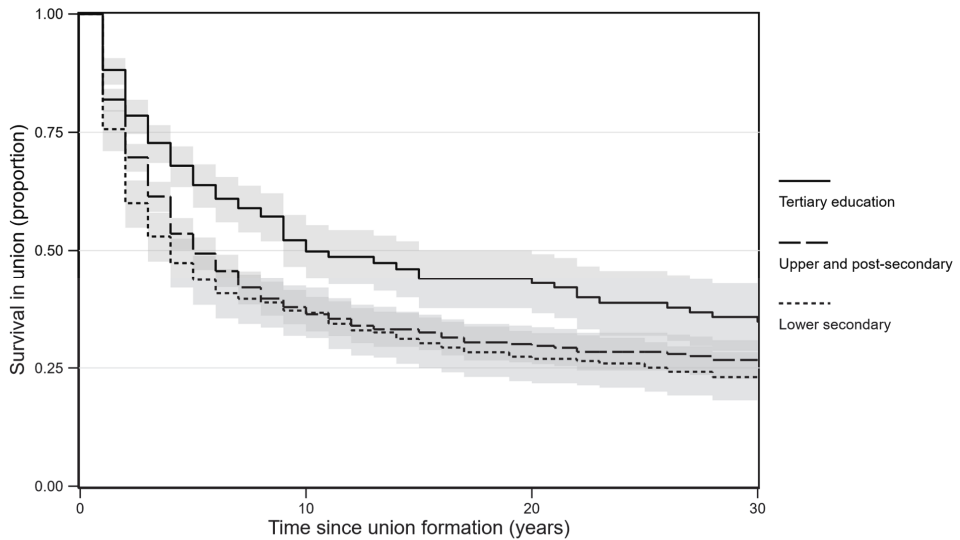
Source: Household, Income and Labour Dynamics in Australia, own calculations.

Table A.25 Effects of ego's and partner's life strains on union dissolution, couples with children

| | Ego model | | Ego + partner model | |
|-------------------------|-------------------------------------|---------------|-------------------------------------|---------------|
| | <i>b</i> _{indirect effect} | Explained (%) | <i>b</i> _{indirect effect} | Explained (%) |
| <i>Work</i> | | | | |
| Job strain | -0.006** | 4.82 | -0.005** | 4.20 |
| Employment difficulty | -0.004* | 3.74 | -0.001 | 1.28 |
| <i>Finance</i> | | | | |
| Income insufficiency | -0.010** | 8.92 | -0.013*** | 11.42 |
| Emergency problems | -0.019*** | 16.01 | -0.014*** | 12.91 |
| <i>Social relations</i> | | | | |
| Social isolation | -0.008*** | 7.03 | -0.012*** | 10.83 |
| Community exclusion | -0.002 | 1.62 | -0.002** | 2.08 |
| <i>Health</i> | | | | |
| Health difficulties | -0.002 | 1.34 | -0.002 | 2.03 |
| Functional limitation | -0.001 | 0.80 | -0.004*** | 3.53 |
| <i>Residence</i> | | | | |
| Neighborhood disorder | 0.001 | -0.92 | 0.002 | -1.72 |
| Home dissatisfaction | -0.001 | 0.74 | -0.001** | 1.23 |
| All mediators | | 44.10 | | 47.79 |

Notes: Products of coefficients from a generalized structural equation model with paths linking education to life strains and paths linking life strains to union dissolution. $N = 40,051$ union-years; 5,169 unions. * $p < .05$, ** $p < .01$, *** $p < .001$.

Source: Household, Income and Labour Dynamics in Australia, own calculations.

Figure A.11 Union survival curves by education level, couples without children

Source: Household, Income and Labour Dynamics in Australia, own calculations.

Table A.26 Event-history model of union dissolution, couples without children

| | <i>b</i> | <i>HR</i> |
|------------------------|-----------|-----------------------|
| Educational attainment | -0.072*** | 0.93 |
| Union cohort | -0.016* | 0.98 |
| Refreshment sample | -0.127 | 0.88 |
| Duration 1-2 years | -0.317*** | 0.73 |
| Duration 3-5 years | -0.801*** | 0.45 |
| Duration 6-8 years | -1.352*** | 0.26 |
| Duration 9-12 years | -1.922*** | 0.15 |
| Duration 13-17 years | -2.443*** | 0.09 |
| Duration 18-23 years | -2.853*** | 0.06 |
| Duration 24-30 years | -2.885*** | 0.06 |
| Intercept | 31.000* | 2.90*10 ¹³ |
| <i>N</i> union-years | 12,523 | |
| <i>N</i> unions | 2,761 | |
| <i>N</i> dissolutions | 1,005 | |

Notes: Hazard ratios show exponentiated coefficients from a Poisson regression. The mediation analysis used different total effects because of the rescaling implied in nonlinear models. * $p < .05$, ** $p < .01$, *** $p < .001$.

Source: Household, Income and Labour Dynamics in Australia, own calculations.

Table A.27 Effects of educational attainment on ego's and partner's life strains, couples without children

| | Ego model | Ego + partner model | |
|-------------------------|------------------|----------------------------|-----------------|
| | Ego strains | Ego strains | Partner strains |
| | \hat{b}_{edu} | \hat{b}_{edu} | \hat{b}_{edu} |
| <i>Work</i> | | | |
| Job strain | 0.06*** | 0.06*** | 0.04*** |
| Employment difficulty | -0.08*** | -0.08*** | -0.06*** |
| <i>Finance</i> | | | |
| Income insufficiency | -0.09*** | -0.09*** | -0.09*** |
| Emergency problems | -0.10*** | -0.10*** | -0.10*** |
| <i>Social relations</i> | | | |
| Social isolation | -0.06*** | -0.06*** | -0.06*** |
| Community exclusion | -0.02* | -0.02* | -0.02* |
| <i>Health</i> | | | |
| Health difficulties | -0.07*** | -0.07*** | -0.07*** |
| Functional limitation | -0.07*** | -0.07*** | -0.04*** |
| <i>Residence</i> | | | |
| Neighborhood disorder | -0.00 | -0.00 | -0.01 |
| Home dissatisfaction | 0.01 | 0.01 | 0.00 |

Notes: Coefficients from linear regressions of each life strain on ego education, controlling for duration, union cohort, and refreshment sample. $N = 12,523$ union-years; 2,761 unions. * $p < .05$, ** $p < .01$, *** $p < .001$.

Source: Household, Income and Labour Dynamics in Australia, own calculations.

Table A.28 Effects of ego's and partner's life strains on union dissolution, couples without children

| | Ego model | | Ego + partner model | | | |
|-------------------------|----------------------------|-----------------------------|----------------------------|-----------------------------|----------------------------|-----------------------------|
| | Ego effects | | Ego effects | | Partner effects | |
| | <i>b</i> _{strain} | <i>HR</i> _{strain} | <i>b</i> _{strain} | <i>HR</i> _{strain} | <i>b</i> _{strain} | <i>HR</i> _{strain} |
| <i>Work</i> | | | | | | |
| Job strain | -0.10*** | 0.90 | -0.04 | 0.96 | -0.04 | 0.96 |
| Employment difficulty | -0.03 | 0.97 | -0.02 | 0.98 | -0.02 | 0.98 |
| <i>Finance</i> | | | | | | |
| Income insufficiency | 0.04 | 1.04 | 0.02 | 1.02 | 0.02 | 1.02 |
| Emergency problems | 0.11*** | 1.12 | 0.07*** | 1.07 | 0.07*** | 1.07 |
| <i>Social relations</i> | | | | | | |
| Social isolation | 0.11** | 1.11 | 0.08*** | 1.09 | 0.08*** | 1.09 |
| Community exclusion | -0.01 | 0.99 | -0.00 | 1.00 | -0.00 | 1.00 |
| <i>Health</i> | | | | | | |
| Health difficulties | 0.05 | 1.05 | 0.04 | 1.04 | 0.04 | 1.04 |
| Functional limitation | 0.01 | 1.01 | -0.01 | 0.99 | -0.01 | 0.99 |
| <i>Residence</i> | | | | | | |
| Neighborhood disorder | 0.06* | 1.06 | 0.02 | 1.02 | 0.02 | 1.02 |
| Home dissatisfaction | 0.08** | 1.08 | 0.04** | 1.04 | 0.04** | 1.04 |

Notes: Exponentiated coefficients from a Poisson regression of union dissolution on all life strains. Ego models controlled for ego education, duration, union cohort, refreshment sample, marital status, union sex composition, and ego sex, ethnicity, religiosity, parental separation, age at union formation, and union order. Ego + partner models additionally controlled for partner education and partner ethnicity, religiosity, parental separation, age at union formation, and union order. $N = 12,523$ union-years; 2,761 unions. * $p < .05$, ** $p < .01$, *** $p < .001$.

Source: Household, Income and Labour Dynamics in Australia, own calculations.

Table A.29 Mediation of educational gradient in union dissolution by ego's and partner's life strains, couples without children

| | Ego model | | Ego + partner model | |
|-------------------------|-------------------------------------|---------------|-------------------------------------|---------------|
| | <i>b</i> _{indirect effect} | Explained (%) | <i>b</i> _{indirect effect} | Explained (%) |
| <i>Work</i> | | | | |
| Job strain | -0.006** | 13.88 | -0.004* | 7.08 |
| Employment difficulty | 0.002 | -4.64 | 0.003 | -5.13 |
| <i>Finance</i> | | | | |
| Income insufficiency | -0.003 | 7.45 | -0.004 | 8.67 |
| Emergency problems | -0.011** | 24.44 | -0.014*** | 27.87 |
| <i>Social relations</i> | | | | |
| Social isolation | -0.007** | 14.29 | -0.010*** | 20.29 |
| Community exclusion | 0.000 | -0.33 | 0.000 | -0.33 |
| <i>Health</i> | | | | |
| Health difficulties | -0.004 | 7.75 | -0.006* | 11.35 |
| Functional limitation | -0.000 | 0.97 | 0.001 | -1.95 |
| <i>Residence</i> | | | | |
| Neighborhood disorder | -0.000 | 0.16 | -0.000 | 0.63 |
| Home dissatisfaction | 0.001 | -1.52 | 0.001 | -1.14 |
| All mediators | | 62.45 | | 67.35 |

Notes: Products of coefficients from a generalized structural equation model with paths linking education to life strains and paths linking life strains to union dissolution. $N = 12,523$ union-years; 2,761 unions. * $p < .05$, ** $p < .01$, *** $p < .001$.

Source: Household, Income and Labour Dynamics in Australia, own calculations.

Table A.30 Instrumental-variable effects of ego's and partner's life strains on union dissolution

| | Ego model | | Ego + partner model | | | |
|-----------------------|----------------------------|-----------------------------|----------------------------|-----------------------------|----------------------------|-----------------------------|
| | Ego effects | | Ego effects | | Partner effects | |
| | <i>b</i> _{strain} | <i>HR</i> _{strain} | <i>b</i> _{strain} | <i>HR</i> _{strain} | <i>b</i> _{strain} | <i>HR</i> _{strain} |
| <i>As observed</i> | | | | | | |
| Income insufficiency | 0.17*** | 1.18 | 0.10*** | 1.10 | 0.10*** | 1.10 |
| Health difficulties | 0.15*** | 1.16 | 0.12*** | 1.13 | 0.12*** | 1.13 |
| Neighborhood disorder | 0.07* | 1.07 | 0.04** | 1.04 | 0.04** | 1.04 |
| <i>Instrumented</i> | | | | | | |
| Income insufficiency | 0.36* | 1.44 | 0.16* | 1.17 | 0.16* | 1.17 |
| Health difficulties | 0.08 | 1.08 | 0.10 | 1.11 | 0.10 | 1.11 |
| Neighborhood disorder | 0.32 | 1.38 | 0.23* | 1.26 | 0.23* | 1.26 |

Notes: Exponentiated coefficients from Poisson regressions of union dissolution on all life strains. Ego models controlled for ego education, duration, union cohort, refreshment sample, marital status, union sex composition, and ego sex, ethnicity, religiosity, parental separation, age at union formation, and union order. Ego + partner models additionally controlled for partner education and partner ethnicity, religiosity, parental separation, age at union formation, and union order. The instrumental-variable Poisson regression was estimated using the generalized method of moments. The number of observations was smaller than that in the main analysis because missing values on the instruments were not imputed. $N = 39,961$ union-years; 6,991 unions. * $p < .05$, ** $p < .01$, *** $p < .001$.

Source: Household, Income and Labour Dynamics in Australia, own calculations.

A.3 APPENDIX CHAPTER 4

Table A.31 Balance on matching variables between treatment and control group, two years before union dissolution

| | Q1 | | Q2 | | Q3 | | Q4 | | Q5 | |
|-----------------------------------|--------------------|--------------------|--------------------|--------------------|---------------------|--------------------|---------------------|---------------------|---------------------|---------------------|
| | Treat | Control | Treat | Control | Treat | Control | Treat | Control | Treat | Control |
| <i>Individual characteristics</i> | | | | | | | | | | |
| Age | 33.84 (7.21) | 33.52 (6.67) | 33.36 (7.32) | 33.05 (6.78) | 32.91 (7.43) | 32.66 (6.96) | 33.43 (7.45) | 33.17 (6.91) | 34.90 (6.88) | 34.62 (6.32) |
| Foreign-born | 0.36 | 0.36 | 0.21 | 0.21 | 0.15 | 0.15 | 0.12 | 0.12 | 0.12 | 0.12 |
| Full-time equivalent | 0.34 (0.36) | 0.33 (0.36) | 0.61 (0.33) | 0.61 (0.33) | 0.75 (0.29) | 0.75 (0.29) | 0.83 (0.24) | 0.83 (0.24) | 0.88 (0.22) | 0.88 (0.21) |
| <i>Union characteristics</i> | | | | | | | | | | |
| Married | 0.47 | 0.47 | 0.43 | 0.43 | 0.37 | 0.37 | 0.34 | 0.34 | 0.35 | 0.35 |
| Adults | 2.00 (0.48) | 2.00 (0.47) | 2.07 (0.44) | 2.06 (0.43) | 2.09 (0.44) | 2.10 (0.45) | 2.09 (0.41) | 2.09 (0.42) | 2.05 (0.30) | 2.05 (0.31) |
| Children | 1.43 (1.12) | 1.42 (1.11) | 1.06 (0.96) | 1.05 (0.96) | 0.70 (0.88) | 0.70 (0.88) | 0.49 (0.78) | 0.49 (0.79) | 0.39 (0.73) | 0.39 (0.73) |
| Union duration | 3.05 (2.52) | 3.05 (2.52) | 3.20 (2.54) | 3.20 (2.54) | 3.26 (2.56) | 3.26 (2.56) | 3.43 (2.54) | 3.43 (2.54) | 3.63 (2.54) | 3.63 (2.54) |
| <i>Income components</i> | | | | | | | | | | |
| First partner earnings | 18,390 (20,031) | 18,797 (19,837) | 34,755 (20,544) | 35,464 (19,793) | 43,618 (21,084) | 44,370 (19,947) | 54,625 (24,266) | 54,943 (22,844) | 84,552 (43,754) | 84,087 (42,482) |
| Personal earnings | 9,222 (12,111) | 9,044 (11,846) | 20,437 (14,418) | 20,311 (13,934) | 29,072 (15,539) | 28,856 (14,811) | 38,342 (17,288) | 38,159 (16,554) | 55,366 (28,163) | 55,135 (27,092) |
| Other income | -2,137 (5,536) | -1,822 (4,758) | -3,710 (7,645) | -3,626 (7,028) | -4,522 (9,869) | -4,392 (9,467) | -5,328 (11,719) | -5,187 (11,339) | -7,932 (13,444) | -7,758 (12,835) |
| Transfer income | 10,089 (10,773) | 9,880 (10,734) | 6,086 (9,251) | 5,696 (9,073) | 4,305 (8,275) | 3,944 (8,035) | 3,279 (7,963) | 2,933 (7,643) | 2,430 (7,062) | 2,085 (6,817) |
| Taxes and contributions | -11,408 (8,022) | -11,304 (7,756) | -22,581 (9,056) | -22,901 (8,352) | -30,964 (10,415) | -31,455 (9,555) | -41,636 (12,591) | -42,057 (11,595) | -65,596 (26,738) | -66,288 (25,835) |
| N persons | 15,424 | 15,424 | 13,247 | 13,247 | 11,908 | 11,908 | 9,906 | 9,906 | 7,278 | 7,278 |

Notes: Matching was exact on the variables predissolution income group, union duration, ethnicity, marital status, children, and adults, albeit with children and adults top-coded at three to avoid sparse data. Matching was probabilistic on the variables age, working hours, first partner earnings, personal earnings, other income, transfer income, and taxes and contributions.

Source: Statistics Netherlands, own calculations.

Table A.32 Fixed-effects regressions of changes in income components after union dissolution

| | Household disp. income | Household composition | First partner earnings | Personal earnings | New partner earnings | Other income | Transfer income | Taxes and contribution |
|---|------------------------|-----------------------|------------------------|-------------------|----------------------|--------------|-----------------|------------------------|
| 1 st year before dissolution | | | | | | | | |
| x treatment x Q1 | -0.01* | 0.00 | -0.04*** | 0.02*** | -0.01** | 0.00 | 0.00 | 0.01*** |
| x treatment x Q2 | 0.02*** | 0.03*** | 0.01 | 0.03*** | -0.01*** | -0.01*** | 0.01*** | -0.01* |
| x treatment x Q3 | 0.03*** | 0.04*** | 0.02*** | 0.04*** | -0.01*** | -0.02*** | 0.01*** | -0.02*** |
| x treatment x Q4 | 0.03*** | 0.04*** | 0.03*** | 0.04*** | -0.01*** | -0.02*** | 0.01** | -0.02*** |
| x treatment x Q5 | 0.04*** | 0.04*** | 0.05*** | 0.04*** | -0.01*** | -0.01*** | 0.00 | -0.03*** |
| 1 st year after dissolution | | | | | | | | |
| x treatment x Q1 | -0.03*** | 0.20*** | -0.86*** | 0.15*** | 0.06*** | 0.20*** | 0.29*** | 0.14*** |
| x treatment x Q2 | -0.15*** | 0.18*** | -1.05*** | 0.23*** | 0.08*** | 0.22*** | 0.13*** | 0.24*** |
| x treatment x Q3 | -0.16*** | 0.19*** | -1.07*** | 0.28*** | 0.11*** | 0.22*** | 0.08*** | 0.22*** |
| x treatment x Q4 | -0.20*** | 0.20*** | -1.10*** | 0.34*** | 0.09*** | 0.19*** | 0.05*** | 0.23*** |
| x treatment x Q5 | -0.28*** | 0.23*** | -1.19*** | 0.36*** | 0.08*** | 0.14*** | 0.03*** | 0.31*** |
| 2 nd year after dissolution | | | | | | | | |
| x treatment x Q1 | -0.03*** | 0.19*** | -0.85*** | 0.14*** | 0.13*** | 0.15*** | 0.26*** | 0.14*** |
| x treatment x Q2 | -0.12*** | 0.17*** | -1.03*** | 0.22*** | 0.19*** | 0.16*** | 0.12*** | 0.22*** |
| x treatment x Q3 | -0.13*** | 0.18*** | -1.04*** | 0.28*** | 0.22*** | 0.16*** | 0.07*** | 0.18*** |
| x treatment x Q4 | -0.16*** | 0.18*** | -1.08*** | 0.34*** | 0.23*** | 0.13*** | 0.04*** | 0.17*** |
| x treatment x Q5 | -0.24*** | 0.21*** | -1.15*** | 0.35*** | 0.17*** | 0.11*** | 0.02*** | 0.26*** |
| 3 rd year after dissolution | | | | | | | | |
| x treatment x Q1 | -0.02** | 0.17*** | -0.83*** | 0.11*** | 0.23*** | 0.11*** | 0.24*** | 0.12*** |
| x treatment x Q2 | -0.10*** | 0.16*** | -1.01*** | 0.20*** | 0.30*** | 0.12*** | 0.11*** | 0.19*** |
| x treatment x Q3 | -0.09*** | 0.16*** | -1.02*** | 0.26*** | 0.35*** | 0.12*** | 0.06*** | 0.13*** |
| x treatment x Q4 | -0.11*** | 0.17*** | -1.06*** | 0.32*** | 0.37*** | 0.10*** | 0.04*** | 0.12*** |
| x treatment x Q5 | -0.19*** | 0.19*** | -1.14*** | 0.33*** | 0.31*** | 0.08*** | 0.02*** | 0.21*** |
| 4 th year after dissolution | | | | | | | | |
| x treatment x Q1 | -0.01 | 0.17*** | -0.81*** | 0.09*** | 0.31*** | 0.09*** | 0.22*** | 0.10*** |
| x treatment x Q2 | -0.09*** | 0.15*** | -0.99*** | 0.17*** | 0.37*** | 0.08*** | 0.11*** | 0.16*** |
| x treatment x Q3 | -0.06*** | 0.15*** | -0.99*** | 0.23*** | 0.45*** | 0.08*** | 0.06*** | 0.10*** |
| x treatment x Q4 | -0.08*** | 0.15*** | -1.04*** | 0.31*** | 0.46*** | 0.08*** | 0.03*** | 0.08*** |
| x treatment x Q5 | -0.17*** | 0.17*** | -1.13*** | 0.31*** | 0.39*** | 0.06*** | 0.02*** | 0.19*** |
| 5 th year after dissolution | | | | | | | | |
| x treatment x Q1 | 0.00 | 0.15*** | -0.77*** | 0.07*** | 0.36*** | 0.06*** | 0.20*** | 0.09*** |
| x treatment x Q2 | -0.07*** | 0.14*** | -0.96*** | 0.16*** | 0.42*** | 0.06*** | 0.10*** | 0.14*** |
| x treatment x Q3 | -0.05*** | 0.13*** | -0.97*** | 0.21*** | 0.51*** | 0.06*** | 0.06*** | 0.08*** |
| x treatment x Q4 | -0.06*** | 0.14*** | -1.03*** | 0.27*** | 0.55*** | 0.04*** | 0.04*** | 0.07*** |
| x treatment x Q5 | -0.16*** | 0.16*** | -1.11*** | 0.27*** | 0.45*** | 0.05*** | 0.01*** | 0.17*** |
| 6 th year after dissolution | | | | | | | | |
| x treatment x Q1 | 0.00 | 0.15*** | -0.73*** | 0.04* | 0.40*** | 0.03* | 0.18*** | 0.09*** |
| x treatment x Q2 | -0.06*** | 0.13*** | -0.94*** | 0.14*** | 0.46*** | 0.05*** | 0.10*** | 0.13*** |
| x treatment x Q3 | -0.04*** | 0.13*** | -0.94*** | 0.19*** | 0.56*** | 0.03*** | 0.05*** | 0.06*** |
| x treatment x Q4 | -0.05*** | 0.13*** | -1.01*** | 0.24*** | 0.59*** | 0.03*** | 0.04*** | 0.07*** |
| x treatment x Q5 | -0.14*** | 0.15*** | -1.10*** | 0.27*** | 0.49*** | 0.04*** | 0.02** | 0.15*** |
| 7 th year after dissolution | | | | | | | | |
| x treatment x Q1 | 0.00 | 0.14*** | -0.70*** | 0.03* | 0.39*** | 0.02* | 0.15*** | 0.10*** |
| x treatment x Q2 | -0.06*** | 0.12*** | -0.91*** | 0.10*** | 0.48*** | 0.05*** | 0.10*** | 0.12*** |
| x treatment x Q3 | -0.03*** | 0.12*** | -0.91*** | 0.16*** | 0.56*** | 0.03* | 0.07*** | 0.07*** |
| x treatment x Q4 | -0.05*** | 0.12*** | -0.99*** | 0.20*** | 0.61*** | 0.03** | 0.04*** | 0.07*** |
| x treatment x Q5 | -0.14*** | 0.15*** | -1.09*** | 0.23*** | 0.52*** | 0.01 | 0.02*** | 0.16*** |
| 8 th year after dissolution | | | | | | | | |
| x treatment x Q1 | 0.00 | 0.14*** | -0.65*** | 0.00 | 0.40*** | -0.01 | 0.16*** | 0.11*** |
| x treatment x Q2 | -0.07*** | 0.13*** | -0.88*** | 0.10*** | 0.48*** | 0.01 | 0.10*** | 0.12*** |
| x treatment x Q3 | -0.02* | 0.11*** | -0.90*** | 0.13*** | 0.61*** | 0.02 | 0.07*** | 0.06*** |
| x treatment x Q4 | -0.04*** | 0.11*** | -0.98*** | 0.18*** | 0.63*** | 0.02 | 0.04*** | 0.07*** |
| x treatment x Q5 | -0.11*** | 0.14*** | -1.04*** | 0.21*** | 0.35*** | 0.02 | 0.02* | 0.13*** |
| Unemployment rate | | | | | | | | |
| x Q1 | -0.05*** | -0.03*** | -0.06*** | -0.02*** | -0.01*** | 0.01*** | 0.02*** | 0.02*** |
| x Q2 | -0.03*** | -0.01*** | -0.05*** | -0.01*** | -0.01*** | 0.01*** | 0.01*** | 0.02*** |
| x Q3 | -0.02*** | -0.01*** | -0.04*** | -0.01*** | -0.01*** | 0.01*** | 0.01*** | 0.02*** |
| x Q4 | -0.02*** | -0.01*** | -0.03*** | -0.02*** | -0.01*** | 0.01*** | 0.01*** | 0.02*** |
| x Q5 | -0.03*** | -0.01*** | -0.03*** | -0.02*** | -0.01*** | 0.01*** | 0.01*** | 0.01*** |
| Time x Q dummies | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Individual FE | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| N unique persons | 96,258 | 96,258 | 96,258 | 96,258 | 96,258 | 96,258 | 96,258 | 96,258 |
| N persons | 115,388 | 115,388 | 115,388 | 115,388 | 115,388 | 115,388 | 115,388 | 115,388 |
| N person-years | 1,043,362 | 1,043,362 | 1,043,362 | 1,043,362 | 1,043,362 | 1,043,362 | 1,043,362 | 1,043,362 |
| R ² overall | 0.98 | 0.94 | 0.85 | 0.94 | 0.65 | 0.47 | 0.92 | 0.87 |
| R ² within | 0.07 | 0.05 | 0.33 | 0.04 | 0.13 | 0.02 | 0.06 | 0.05 |
| F group diff (1 st year) | 266*** | 12*** | 151*** | 105*** | 8*** | 27*** | 289*** | 64*** |
| F group diff (2 nd year) | 147*** | 6*** | 113*** | 107*** | 28*** | 11*** | 241*** | 41*** |
| F group diff (3 rd year) | 84*** | 5*** | 110*** | 87*** | 40*** | 7*** | 175*** | 30*** |
| F group diff (4 th year) | 71*** | 4*** | 91*** | 86*** | 34*** | 2* | 132*** | 31*** |
| F group diff (5 th year) | 51*** | 2* | 94*** | 63*** | 48*** | 2* | 87*** | 26*** |
| F group diff (6 th year) | 33*** | 3** | 95*** | 35*** | 39*** | 2* | 55*** | 16*** |
| F group diff (7 th year) | 25*** | 3** | 73*** | 25*** | 28*** | 2* | 23*** | 12*** |
| F group diff (8 th year) | 11*** | 2* | 52*** | 15*** | 20*** | 1 | 14*** | 5*** |

Notes: Standard errors accounted for clustering at the individual level. * $p < .05$, ** $p < .01$, *** $p < .001$.

Source: Statistics Netherlands, own calculations.

Table A.33 Fixed-effects regressions of change in household disposable income after union dissolution, using different model specifications

| | FE p-hdi (full) | FE p-hdi (excl. 0.5%) | FE p-hdi (excl. 1%) | FE p-hdi (excl. 2%) | FE p-hdi (excl. 5%) | FE log-hdi (full) | QR p-hdi (full) |
|---|--------------------|--------------------------|------------------------|------------------------|------------------------|----------------------|--------------------|
| 1st year before dissolution | | | | | | | |
| x treatment x Q1 | -0.02 | -0.01** | -0.01* | 0.00 | 0.01* | -0.02*** | -0.01** |
| x treatment x Q2 | -0.15 | 0.02*** | 0.02*** | 0.02*** | 0.02*** | 0.02*** | 0.01*** |
| x treatment x Q3 | 0.03*** | 0.03*** | 0.03*** | 0.03*** | 0.03*** | 0.03*** | 0.01*** |
| x treatment x Q4 | 0.03*** | 0.03*** | 0.03*** | 0.03*** | 0.03*** | 0.03*** | 0.01*** |
| x treatment x Q5 | 0.04*** | 0.04*** | 0.04*** | 0.04*** | 0.04*** | 0.05*** | 0.01*** |
| 1st year after dissolution | | | | | | | |
| x treatment x Q1 | 0.20* | -0.02** | -0.03*** | -0.04*** | -0.05*** | -0.03*** | -0.02*** |
| x treatment x Q2 | -0.24** | -0.15*** | -0.15*** | -0.15*** | -0.15*** | -0.17*** | -0.19*** |
| x treatment x Q3 | -0.16*** | -0.16*** | -0.16*** | -0.16*** | -0.16*** | -0.19*** | -0.22*** |
| x treatment x Q4 | -0.20*** | -0.20*** | -0.20*** | -0.20*** | -0.20*** | -0.24*** | -0.26*** |
| x treatment x Q5 | -0.29*** | -0.29*** | -0.28*** | -0.28*** | -0.26*** | -0.32*** | -0.33*** |
| 2nd year after dissolution | | | | | | | |
| x treatment x Q1 | 0.14 | -0.02*** | -0.03*** | -0.04*** | -0.05*** | -0.03*** | -0.03*** |
| x treatment x Q2 | -0.21* | -0.13*** | -0.12*** | -0.12*** | -0.12*** | -0.15*** | -0.17*** |
| x treatment x Q3 | -0.13*** | -0.13*** | -0.13*** | -0.13*** | -0.12*** | -0.16*** | -0.18*** |
| x treatment x Q4 | -0.16*** | -0.16*** | -0.16*** | -0.16*** | -0.15*** | -0.19*** | -0.22*** |
| x treatment x Q5 | -0.24*** | -0.24*** | -0.24*** | -0.23*** | -0.22*** | -0.28*** | -0.28*** |
| 3rd year after dissolution | | | | | | | |
| x treatment x Q1 | 0.27* | 0.00 | -0.02** | -0.03*** | -0.04*** | -0.01* | -0.01 |
| x treatment x Q2 | -0.18* | -0.10*** | -0.10*** | -0.10*** | -0.10*** | -0.12*** | -0.14*** |
| x treatment x Q3 | -0.09*** | -0.09*** | -0.09*** | -0.09*** | -0.09*** | -0.12*** | -0.14*** |
| x treatment x Q4 | -0.11*** | -0.11*** | -0.11*** | -0.11*** | -0.11*** | -0.15*** | -0.16*** |
| x treatment x Q5 | -0.20*** | -0.20*** | -0.19*** | -0.19*** | -0.17*** | -0.24*** | -0.24*** |
| 4th year after dissolution | | | | | | | |
| x treatment x Q1 | 0.30* | 0.00 | -0.01 | -0.02*** | -0.03*** | 0.00 | 0.00 |
| x treatment x Q2 | -0.19 | -0.09*** | -0.09*** | -0.09*** | -0.09*** | -0.10*** | -0.11*** |
| x treatment x Q3 | -0.06*** | -0.07*** | -0.06*** | -0.07*** | -0.07*** | -0.09*** | -0.10*** |
| x treatment x Q4 | -0.08*** | -0.08*** | -0.08*** | -0.08*** | -0.08*** | -0.11*** | -0.11*** |
| x treatment x Q5 | -0.18*** | -0.17*** | -0.17*** | -0.17*** | -0.15*** | -0.23*** | -0.20*** |
| 5th year after dissolution | | | | | | | |
| x treatment x Q1 | 0.24* | 0.01 | 0.00 | -0.01* | -0.02*** | 0.00 | -0.01 |
| x treatment x Q2 | -0.19 | -0.07*** | -0.07*** | -0.07*** | -0.07*** | -0.09*** | -0.10*** |
| x treatment x Q3 | -0.05*** | -0.05*** | -0.05*** | -0.05*** | -0.05*** | -0.07*** | -0.06*** |
| x treatment x Q4 | -0.05*** | -0.06*** | -0.06*** | -0.06*** | -0.07*** | -0.09*** | -0.08*** |
| x treatment x Q5 | -0.15*** | -0.16*** | -0.16*** | -0.15*** | -0.14*** | -0.20*** | -0.19*** |
| 6th year after dissolution | | | | | | | |
| x treatment x Q1 | 0.17 | 0.02 | 0.00 | -0.01* | -0.03*** | 0.01 | -0.03* |
| x treatment x Q2 | -0.13 | -0.06*** | -0.06*** | -0.07*** | -0.07*** | -0.08*** | -0.08*** |
| x treatment x Q3 | -0.03*** | -0.04*** | -0.04*** | -0.04*** | -0.04*** | -0.07*** | -0.05*** |
| x treatment x Q4 | -0.04*** | -0.04*** | -0.05*** | -0.05*** | -0.06*** | -0.08*** | -0.06*** |
| x treatment x Q5 | -0.14*** | -0.14*** | -0.14*** | -0.14*** | -0.13*** | -0.19*** | -0.15*** |
| 7th year after dissolution | | | | | | | |
| x treatment x Q1 | 0.43** | 0.02 | 0.00 | -0.01 | -0.03*** | 0.01 | -0.03** |
| x treatment x Q2 | -0.14 | -0.06*** | -0.06*** | -0.07*** | -0.07*** | -0.08*** | -0.07*** |
| x treatment x Q3 | -0.03* | -0.03*** | -0.03*** | -0.04*** | -0.04*** | -0.05*** | -0.03** |
| x treatment x Q4 | -0.02 | -0.05*** | -0.05*** | -0.05*** | -0.06*** | -0.08*** | -0.05*** |
| x treatment x Q5 | -0.13*** | -0.14*** | -0.14*** | -0.15*** | -0.12*** | -0.19*** | -0.15*** |
| 8th year after dissolution | | | | | | | |
| x treatment x Q1 | 0.33 | 0.01 | 0.00 | -0.02* | -0.02* | 0.01 | -0.03 |
| x treatment x Q2 | -0.18 | -0.07*** | -0.07*** | -0.07*** | -0.08*** | -0.09*** | -0.06*** |
| x treatment x Q3 | -0.01 | -0.01 | -0.02* | -0.03** | -0.04** | -0.05** | -0.02 |
| x treatment x Q4 | -0.03* | -0.04** | -0.04** | -0.04** | -0.05** | -0.08** | -0.03* |
| x treatment x Q5 | -0.11*** | -0.10*** | -0.11*** | -0.12*** | -0.10*** | -0.16*** | -0.11*** |
| Unemployment rate | | | | | | | |
| x Q1 | -0.12*** | -0.05*** | -0.05*** | -0.04*** | -0.03*** | -0.05*** | -0.01*** |
| x Q2 | 0.00 | -0.03*** | -0.03*** | -0.03*** | -0.02*** | -0.03*** | -0.01*** |
| x Q3 | -0.03*** | -0.02*** | -0.02*** | -0.02*** | -0.02*** | -0.03*** | -0.01*** |
| x Q4 | -0.02*** | -0.02*** | -0.02*** | -0.02*** | -0.02*** | -0.03*** | -0.01*** |
| x Q5 | -0.03*** | -0.03*** | -0.03*** | -0.02*** | -0.02*** | -0.03*** | -0.01*** |
| Time x Q dummies | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Individual FE | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| N unique persons | 96,360 | 96,300 | 96,258 | 96,179 | 95,973 | 96,350 | 96,360 |
| N persons | 115,526 | 115,447 | 115,388 | 115,289 | 115,038 | 115,515 | 115,673 |
| N person-years | 1,053,966 | 1,048,655 | 1,043,362 | 1,032,782 | 1,001,037 | 1,049,410 | 1,053,966 |
| R ² overall | 0.83 | 0.97 | 0.98 | 0.98 | 0.93 | 0.66 | |
| R ² within | 0.00 | 0.07 | 0.07 | 0.08 | 0.10 | 0.08 | |
| F group diff (1 st year) | 55*** | 225*** | 266*** | 314*** | 390*** | 373*** | 560*** |
| F group diff (2 nd year) | 36*** | 125*** | 147*** | 168*** | 206*** | 217*** | 254*** |
| F group diff (3 rd year) | 29*** | 82*** | 84*** | 96*** | 106*** | 145*** | 143*** |
| F group diff (4 th year) | 32*** | 60*** | 71*** | 74*** | 79*** | 112*** | 62*** |
| F group diff (5 th year) | 24*** | 47*** | 51*** | 58*** | 55*** | 75*** | 46*** |
| F group diff (6 th year) | 14*** | 32*** | 33*** | 38*** | 34*** | 56*** | 18*** |
| F group diff (7 th year) | 11*** | 21*** | 25*** | 31*** | 25*** | 39*** | 12*** |
| F group diff (8 th year) | 5*** | 9*** | 11*** | 11*** | 13*** | 22*** | 5*** |

Notes: FE fixed effects, QR quantile regression, p-hdi proportional household disposable income, log-hdi natural logarithm of household disposable income. In parentheses the part of the dataset used for estimation. Standard errors accounted for clustering at the individual level. Coefficients of the log-income model were transformed as e^b-1 to show relative changes in income. * $p < .05$, ** $p < .01$, *** $p < .001$.

Source: Statistics Netherlands, own calculations.

Table A.34 Fixed-effects regressions of changes in income components after union dissolution, using the OECD-modified equivalence scale

| | Household disp. income | Household composition | First partner earnings | Personal earnings | New partner earnings | Other income | Transfer income | Taxes and contribution |
|---|------------------------|-----------------------|------------------------|-------------------|----------------------|--------------|-----------------|------------------------|
| 1 st year before dissolution | | | | | | | | |
| x treatment x Q1 | -0.01* | 0.00 | -0.04*** | 0.02*** | -0.01* | -0.01 | 0.01 | 0.02*** |
| x treatment x Q2 | 0.03*** | 0.03*** | 0.02* | 0.03*** | -0.01*** | -0.01** | 0.01** | -0.01** |
| x treatment x Q3 | 0.03*** | 0.04*** | 0.03*** | 0.04*** | -0.02*** | -0.01*** | 0.01*** | -0.02*** |
| x treatment x Q4 | 0.03*** | 0.04*** | 0.04*** | 0.04*** | -0.01*** | -0.02*** | 0.01*** | -0.02*** |
| x treatment x Q5 | 0.04*** | 0.04*** | 0.05*** | 0.04*** | -0.01*** | -0.01** | 0.00 | -0.03*** |
| 1 st year after dissolution | | | | | | | | |
| x treatment x Q1 | 0.03*** | 0.22*** | -0.86*** | 0.18*** | 0.05*** | 0.19*** | 0.34*** | 0.12*** |
| x treatment x Q2 | -0.09*** | 0.21*** | -1.04*** | 0.28*** | 0.08*** | 0.21*** | 0.15*** | 0.22*** |
| x treatment x Q3 | -0.11*** | 0.22*** | -1.05*** | 0.35*** | 0.11*** | 0.22*** | 0.09*** | 0.18*** |
| x treatment x Q4 | -0.16*** | 0.23*** | -1.11*** | 0.42*** | 0.09*** | 0.18*** | 0.06*** | 0.20*** |
| x treatment x Q5 | -0.23*** | 0.26*** | -1.18*** | 0.45*** | 0.08*** | 0.13*** | 0.03*** | 0.26*** |
| 2 nd year after dissolution | | | | | | | | |
| x treatment x Q1 | 0.03*** | 0.23*** | -0.85*** | 0.16*** | 0.12*** | 0.15*** | 0.31*** | 0.13*** |
| x treatment x Q2 | -0.08*** | 0.20*** | -1.02*** | 0.26*** | 0.18*** | 0.16*** | 0.13*** | 0.20*** |
| x treatment x Q3 | -0.08*** | 0.21*** | -1.03*** | 0.34*** | 0.23*** | 0.16*** | 0.08*** | 0.14*** |
| x treatment x Q4 | -0.12*** | 0.21*** | -1.08*** | 0.41*** | 0.23*** | 0.13*** | 0.05*** | 0.14*** |
| x treatment x Q5 | -0.19*** | 0.24*** | -1.15*** | 0.44*** | 0.18*** | 0.11*** | 0.03*** | 0.21*** |
| 3 rd year after dissolution | | | | | | | | |
| x treatment x Q1 | 0.03*** | 0.19*** | -0.82*** | 0.13*** | 0.22*** | 0.11*** | 0.28*** | 0.11*** |
| x treatment x Q2 | -0.05*** | 0.19*** | -0.99*** | 0.23*** | 0.30*** | 0.12*** | 0.12*** | 0.16*** |
| x treatment x Q3 | -0.05*** | 0.19*** | -1.01*** | 0.32*** | 0.36*** | 0.12*** | 0.07*** | 0.10*** |
| x treatment x Q4 | -0.08*** | 0.19*** | -1.07*** | 0.38*** | 0.37*** | 0.10*** | 0.04*** | 0.09*** |
| x treatment x Q5 | -0.14*** | 0.22*** | -1.13*** | 0.41*** | 0.31*** | 0.07*** | 0.03*** | 0.16*** |
| 4 th year after dissolution | | | | | | | | |
| x treatment x Q1 | 0.04*** | 0.16*** | -0.79*** | 0.11*** | 0.29*** | 0.08*** | 0.26*** | 0.09*** |
| x treatment x Q2 | -0.04*** | 0.17*** | -0.97*** | 0.20*** | 0.37*** | 0.09*** | 0.14*** | 0.14*** |
| x treatment x Q3 | -0.03*** | 0.17*** | -0.98*** | 0.29*** | 0.46*** | 0.07*** | 0.07*** | 0.07*** |
| x treatment x Q4 | -0.04*** | 0.17*** | -1.04*** | 0.36*** | 0.47*** | 0.07*** | 0.04*** | 0.06*** |
| x treatment x Q5 | -0.13*** | 0.20*** | -1.12*** | 0.37*** | 0.39*** | 0.06*** | 0.02*** | 0.15*** |
| 5 th year after dissolution | | | | | | | | |
| x treatment x Q1 | 0.04*** | 0.18*** | -0.77*** | 0.08*** | 0.34*** | 0.06*** | 0.25*** | 0.08*** |
| x treatment x Q2 | -0.03*** | 0.16*** | -0.94*** | 0.19*** | 0.42*** | 0.07*** | 0.11*** | 0.12*** |
| x treatment x Q3 | -0.01 | 0.15*** | -0.96*** | 0.26*** | 0.52*** | 0.06*** | 0.06*** | 0.05*** |
| x treatment x Q4 | -0.02*** | 0.16*** | -1.03*** | 0.32*** | 0.55*** | 0.04*** | 0.04*** | 0.04*** |
| x treatment x Q5 | -0.11*** | 0.18*** | -1.10*** | 0.34*** | 0.45*** | 0.04*** | 0.02*** | 0.13*** |
| 6 th year after dissolution | | | | | | | | |
| x treatment x Q1 | 0.04*** | 0.17*** | -0.73*** | 0.05* | 0.38*** | 0.03* | 0.22*** | 0.09*** |
| x treatment x Q2 | -0.02** | 0.14*** | -0.91*** | 0.16*** | 0.46*** | 0.05*** | 0.11*** | 0.10*** |
| x treatment x Q3 | 0.00 | 0.14*** | -0.93*** | 0.23*** | 0.57*** | 0.03*** | 0.06*** | 0.04*** |
| x treatment x Q4 | -0.02* | 0.14*** | -1.00*** | 0.27*** | 0.59*** | 0.03*** | 0.04*** | 0.04*** |
| x treatment x Q5 | -0.10*** | 0.18*** | -1.09*** | 0.32*** | 0.50*** | 0.04*** | 0.02*** | 0.11*** |
| 7 th year after dissolution | | | | | | | | |
| x treatment x Q1 | 0.04*** | 0.15*** | -0.70*** | 0.04* | 0.38*** | 0.02 | 0.20*** | 0.09*** |
| x treatment x Q2 | -0.02** | 0.13*** | -0.88*** | 0.13*** | 0.47*** | 0.04*** | 0.11*** | 0.11*** |
| x treatment x Q3 | 0.00 | 0.13*** | -0.90*** | 0.19*** | 0.57*** | 0.02* | 0.07*** | 0.05*** |
| x treatment x Q4 | -0.02* | 0.13*** | -0.98*** | 0.24*** | 0.61*** | 0.02 | 0.05*** | 0.05*** |
| x treatment x Q5 | -0.10*** | 0.17*** | -1.06*** | 0.28*** | 0.52*** | 0.01 | 0.03*** | 0.13*** |
| 8 th year after dissolution | | | | | | | | |
| x treatment x Q1 | 0.04*** | 0.17*** | -0.68*** | 0.01 | 0.40*** | 0.00 | 0.23*** | 0.09*** |
| x treatment x Q2 | -0.02* | 0.14*** | -0.84*** | 0.12*** | 0.47*** | 0.03* | 0.10*** | 0.10*** |
| x treatment x Q3 | 0.00 | 0.12*** | -0.87*** | 0.14*** | 0.60*** | 0.02 | 0.07*** | 0.04*** |
| x treatment x Q4 | -0.03* | 0.12*** | -0.98*** | 0.20*** | 0.62*** | 0.02 | 0.05*** | 0.06*** |
| x treatment x Q5 | -0.08*** | 0.15*** | -1.02*** | 0.25*** | 0.54*** | 0.02 | 0.03** | 0.10*** |
| Unemployment rate | | | | | | | | |
| x Q1 | -0.05*** | -0.02*** | -0.06*** | -0.02*** | -0.01*** | 0.00*** | 0.02*** | 0.01*** |
| x Q2 | -0.03*** | -0.01*** | -0.05*** | -0.01*** | -0.01*** | 0.01*** | 0.02*** | 0.02*** |
| x Q3 | -0.03*** | -0.01*** | -0.04*** | -0.01*** | -0.01*** | 0.01*** | 0.01*** | 0.02*** |
| x Q4 | -0.02*** | -0.01*** | -0.03*** | -0.02*** | -0.01*** | 0.01*** | 0.01*** | 0.02*** |
| x Q5 | -0.03*** | -0.01*** | -0.03*** | -0.02*** | -0.01*** | 0.01*** | 0.01*** | 0.02*** |
| Time x Q dummies | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Individual FE | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| N unique persons | 96,210 | 96,210 | 96,210 | 96,210 | 96,210 | 96,210 | 96,210 | 96,210 |
| N persons | 115,391 | 115,391 | 115,391 | 115,391 | 115,391 | 115,391 | 115,391 | 115,391 |
| N person-years | 1043428 | 1043428 | 1043428 | 1043428 | 1043428 | 1043428 | 1043428 | 1043428 |
| R ² overall | 0.98 | 0.84 | 0.85 | 0.94 | 0.63 | 0.46 | 0.92 | 0.87 |
| R ² within | 0.07 | 0.02 | 0.33 | 0.05 | 0.13 | 0.02 | 0.06 | 0.04 |
| F group diff (1 st year) | 290*** | 18*** | 152*** | 139*** | 10*** | 27*** | 373*** | 43*** |
| F group diff (2 nd year) | 166*** | 8*** | 123*** | 156*** | 31*** | 14*** | 319*** | 34*** |
| F group diff (3 rd year) | 97*** | 7*** | 115*** | 118*** | 44*** | 8*** | 215*** | 25*** |
| F group diff (4 th year) | 79*** | 4*** | 103*** | 109*** | 47*** | 2* | 175*** | 28*** |
| F group diff (5 th year) | 54*** | 4*** | 93*** | 81*** | 49*** | 2* | 120*** | 22*** |
| F group diff (6 th year) | 34*** | 5*** | 92*** | 42*** | 42*** | 1 | 70*** | 13*** |
| F group diff (7 th year) | 24*** | 3** | 72*** | 34*** | 33*** | 2* | 36*** | 10*** |
| F group diff (8 th year) | 10*** | 2* | 22*** | 17*** | 19*** | 0 | 11*** | 3** |

Notes: Standard errors accounted for clustering at the individual level. * $p < .05$, ** $p < .01$, *** $p < .001$.

Source: Statistics Netherlands, own calculations.

Table A.35 Fixed-effects regressions of changes in income components after union dissolution, using the square root equivalence scale

| | Household disp. income | Household composition | First partner earnings | Personal earnings | New partner earnings | Other income | Transfer income | Taxes and contribution |
|---|---------------------------|--------------------------|---------------------------|----------------------|-------------------------|-----------------|--------------------|---------------------------|
| 1 st year before dissolution | | | | | | | | |
| x treatment x Q1 | -0.01 | 0.01* | -0.03*** | 0.02*** | -0.01*** | 0.00 | 0.01 | 0.01** |
| x treatment x Q2 | 0.02*** | 0.03*** | 0.01 | 0.03*** | -0.01*** | -0.01*** | 0.01*** | -0.01* |
| x treatment x Q3 | 0.03*** | 0.04*** | 0.02*** | 0.04*** | -0.01*** | -0.01*** | 0.01*** | -0.02*** |
| x treatment x Q4 | 0.03*** | 0.04*** | 0.03*** | 0.04*** | -0.01*** | -0.02*** | 0.01*** | -0.03*** |
| x treatment x Q5 | 0.04*** | 0.04*** | 0.05*** | 0.04*** | -0.01*** | -0.01*** | 0.00 | -0.03*** |
| 1 st year after dissolution | | | | | | | | |
| x treatment x Q1 | -0.05*** | 0.18*** | -0.87*** | 0.14*** | 0.06*** | 0.20*** | 0.27*** | 0.15*** |
| x treatment x Q2 | -0.15*** | 0.17*** | -1.04*** | 0.23*** | 0.09*** | 0.22*** | 0.12*** | 0.24*** |
| x treatment x Q3 | -0.16*** | 0.18*** | -1.06*** | 0.29*** | 0.10*** | 0.22*** | 0.08*** | 0.21*** |
| x treatment x Q4 | -0.19*** | 0.20*** | -1.09*** | 0.35*** | 0.09*** | 0.19*** | 0.05*** | 0.22*** |
| x treatment x Q5 | -0.27*** | 0.23*** | -1.17*** | 0.38*** | 0.08*** | 0.14*** | 0.03*** | 0.29*** |
| 2 nd year after dissolution | | | | | | | | |
| x treatment x Q1 | -0.05*** | 0.19*** | -0.86*** | 0.13*** | 0.13*** | 0.15*** | 0.25*** | 0.15*** |
| x treatment x Q2 | -0.13*** | 0.16*** | -1.03*** | 0.22*** | 0.18*** | 0.16*** | 0.11*** | 0.22*** |
| x treatment x Q3 | -0.12*** | 0.17*** | -1.03*** | 0.28*** | 0.22*** | 0.17*** | 0.07*** | 0.17*** |
| x treatment x Q4 | -0.15*** | 0.18*** | -1.07*** | 0.35*** | 0.23*** | 0.14*** | 0.04*** | 0.16*** |
| x treatment x Q5 | -0.22*** | 0.21*** | -1.14*** | 0.37*** | 0.18*** | 0.11*** | 0.02*** | 0.24*** |
| 3 rd year after dissolution | | | | | | | | |
| x treatment x Q1 | -0.03*** | 0.16*** | -0.83*** | 0.10*** | 0.23*** | 0.11*** | 0.23*** | 0.13*** |
| x treatment x Q2 | -0.10*** | 0.15*** | -1.00*** | 0.19*** | 0.30*** | 0.12*** | 0.10*** | 0.18*** |
| x treatment x Q3 | -0.08*** | 0.16*** | -1.01*** | 0.27*** | 0.35*** | 0.12*** | 0.06*** | 0.12*** |
| x treatment x Q4 | -0.10*** | 0.17*** | -1.05*** | 0.33*** | 0.37*** | 0.10*** | 0.04*** | 0.11*** |
| x treatment x Q5 | -0.17*** | 0.19*** | -1.12*** | 0.35*** | 0.31*** | 0.07*** | 0.02*** | 0.19*** |
| 4 th year after dissolution | | | | | | | | |
| x treatment x Q1 | -0.02* | 0.13*** | -0.81*** | 0.08*** | 0.31*** | 0.08*** | 0.21*** | 0.11*** |
| x treatment x Q2 | -0.09*** | 0.14*** | -0.98*** | 0.17*** | 0.38*** | 0.09*** | 0.10*** | 0.16*** |
| x treatment x Q3 | -0.06*** | 0.14*** | -0.98*** | 0.24*** | 0.45*** | 0.08*** | 0.06*** | 0.09*** |
| x treatment x Q4 | -0.07*** | 0.15*** | -1.03*** | 0.31*** | 0.47*** | 0.08*** | 0.03*** | 0.07*** |
| x treatment x Q5 | -0.16*** | 0.17*** | -1.11*** | 0.32*** | 0.38*** | 0.06*** | 0.02*** | 0.17*** |
| 5 th year after dissolution | | | | | | | | |
| x treatment x Q1 | -0.02* | 0.14*** | -0.78*** | 0.06*** | 0.35*** | 0.06*** | 0.19*** | 0.10*** |
| x treatment x Q2 | -0.07*** | 0.13*** | -0.95*** | 0.16*** | 0.42*** | 0.07*** | 0.09*** | 0.13*** |
| x treatment x Q3 | -0.04*** | 0.13*** | -0.96*** | 0.21*** | 0.51*** | 0.06*** | 0.06*** | 0.07*** |
| x treatment x Q4 | -0.05*** | 0.14*** | -1.01*** | 0.28*** | 0.55*** | 0.04*** | 0.04*** | 0.06*** |
| x treatment x Q5 | -0.14*** | 0.16*** | -1.10*** | 0.29*** | 0.44*** | 0.04*** | 0.02*** | 0.16*** |
| 6 th year after dissolution | | | | | | | | |
| x treatment x Q1 | -0.01 | 0.14*** | -0.74*** | 0.03 | 0.38*** | 0.04*** | 0.17*** | 0.11*** |
| x treatment x Q2 | -0.06*** | 0.12*** | -0.93*** | 0.14*** | 0.46*** | 0.05*** | 0.10*** | 0.12*** |
| x treatment x Q3 | -0.04*** | 0.13*** | -0.93*** | 0.19*** | 0.56*** | 0.03*** | 0.05*** | 0.06*** |
| x treatment x Q4 | -0.04*** | 0.13*** | -0.99*** | 0.25*** | 0.59*** | 0.03*** | 0.04*** | 0.05*** |
| x treatment x Q5 | -0.12*** | 0.15*** | -1.08*** | 0.28*** | 0.49*** | 0.04*** | 0.01** | 0.13*** |
| 7 th year after dissolution | | | | | | | | |
| x treatment x Q1 | -0.01 | 0.13*** | -0.71*** | 0.02 | 0.39*** | 0.02 | 0.15*** | 0.11*** |
| x treatment x Q2 | -0.06*** | 0.11*** | -0.90*** | 0.12*** | 0.47*** | 0.05*** | 0.09*** | 0.12*** |
| x treatment x Q3 | -0.03*** | 0.11*** | -0.90*** | 0.16*** | 0.56*** | 0.02* | 0.06*** | 0.06*** |
| x treatment x Q4 | -0.04*** | 0.12*** | -0.97*** | 0.22*** | 0.60*** | 0.02* | 0.04*** | 0.06*** |
| x treatment x Q5 | -0.13*** | 0.15*** | -1.06*** | 0.24*** | 0.52*** | 0.01 | 0.02*** | 0.14*** |
| 8 th year after dissolution | | | | | | | | |
| x treatment x Q1 | -0.01 | 0.13*** | -0.66*** | 0.00 | 0.39*** | -0.01 | 0.16*** | 0.11*** |
| x treatment x Q2 | -0.07*** | 0.12*** | -0.88*** | 0.10*** | 0.48*** | 0.02 | 0.10*** | 0.12*** |
| x treatment x Q3 | -0.02 | 0.10*** | -0.87*** | 0.12*** | 0.60*** | 0.02 | 0.06*** | 0.05*** |
| x treatment x Q4 | -0.04*** | 0.11*** | -0.96*** | 0.19*** | 0.61*** | 0.02 | 0.05*** | 0.06*** |
| x treatment x Q5 | -0.10*** | 0.13*** | -1.02*** | 0.21*** | 0.55*** | 0.02 | 0.03* | 0.12*** |
| Unemployment rate | | | | | | | | |
| x Q1 | -0.05*** | -0.03*** | -0.06*** | -0.02*** | -0.01*** | 0.00*** | 0.02*** | 0.01*** |
| x Q2 | -0.03*** | -0.01*** | -0.04*** | -0.01*** | -0.01*** | 0.01*** | 0.01*** | 0.02*** |
| x Q3 | -0.03*** | -0.01*** | -0.04*** | -0.02*** | -0.01*** | 0.01*** | 0.01*** | 0.02*** |
| x Q4 | -0.02*** | -0.01*** | -0.03*** | -0.02*** | -0.01*** | 0.01*** | 0.01*** | 0.02*** |
| x Q5 | -0.03*** | -0.01*** | -0.03*** | -0.02*** | -0.01*** | 0.01*** | 0.01*** | 0.01*** |
| Time x Q dummies | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Individual FE | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| N unique persons | 96,291 | 96,291 | 96,291 | 96,291 | 96,291 | 96,291 | 96,291 | 96,291 |
| N persons | 115,414 | 115,414 | 115,414 | 115,414 | 115,414 | 115,414 | 115,414 | 115,414 |
| N person-years | 1043624 | 1043624 | 1043624 | 1043624 | 1043624 | 1043624 | 1043624 | 1043624 |
| R ² overall | 0.97 | 0.84 | 0.84 | 0.65 | 0.65 | 0.46 | 0.92 | 0.86 |
| R ² within | 0.07 | 0.02 | 0.33 | 0.04 | 0.13 | 0.02 | 0.05 | 0.05 |
| F group diff (1 st year) | 186*** | 25*** | 118*** | 130*** | 7** | 27*** | 258*** | 42*** |
| F group diff (2 nd year) | 99*** | 13*** | 99*** | 127*** | 29*** | 13*** | 218*** | 31*** |
| F group diff (3 rd year) | 57*** | 9*** | 95*** | 117*** | 37*** | 8*** | 153*** | 27*** |
| F group diff (4 th year) | 52*** | 5*** | 87*** | 96*** | 33*** | 2* | 124*** | 30*** |
| F group diff (5 th year) | 38*** | 3** | 78*** | 72*** | 47*** | 2* | 84*** | 23*** |
| F group diff (6 th year) | 24*** | 3** | 75*** | 40*** | 39*** | 1 | 48*** | 14*** |
| F group diff (7 th year) | 19*** | 3** | 63*** | 30*** | 28*** | 2* | 28*** | 11*** |
| F group diff (8 th year) | 8*** | 1 | 45*** | 17*** | 18*** | 1 | 13*** | 6*** |

Notes: Standard errors accounted for clustering at the individual level. * $p < .05$, ** $p < .01$, *** $p < .001$.

Source: Statistics Netherlands, own calculations.

Table A.36 Fixed-effects regressions of changes in income components after union dissolution, by education level

| | Household disp. income | Household composition | First partner earnings | Personal earnings | New partner earnings | Other income | Transfer income | Taxes and contribution |
|--|---------------------------|--------------------------|---------------------------|----------------------|-------------------------|-----------------|--------------------|---------------------------|
| 1 st year before dissolution | | | | | | | | |
| x treatment x ISCED 1-3 | 0.00 | 0.02*** | -0.01 | 0.02*** | -0.01*** | -0.01* | 0.01*** | 0.00 |
| x treatment x ISCED 4-5 | 0.02*** | 0.03*** | 0.01 | 0.04*** | -0.01*** | -0.01** | 0.01* | -0.01** |
| x treatment x ISCED 6-8 | 0.03*** | 0.04*** | 0.02*** | 0.05*** | -0.01*** | -0.02*** | 0.00 | -0.02*** |
| 1 st year after dissolution | | | | | | | | |
| x treatment x ISCED 1-3 | -0.13*** | 0.17*** | -0.98*** | 0.14*** | 0.06*** | 0.20*** | 0.21*** | 0.23*** |
| x treatment x ISCED 4-5 | -0.15*** | 0.20*** | -1.11*** | 0.26*** | 0.09*** | 0.25*** | 0.14*** | 0.23*** |
| x treatment x ISCED 6-8 | -0.17*** | 0.23*** | -1.07*** | 0.40*** | 0.08*** | 0.16*** | 0.06*** | 0.20*** |
| 2 nd year after dissolution | | | | | | | | |
| x treatment x ISCED 1-3 | -0.11*** | 0.17*** | -0.94*** | 0.13*** | 0.15*** | 0.15*** | 0.20*** | 0.21*** |
| x treatment x ISCED 4-5 | -0.12*** | 0.19*** | -1.08*** | 0.26*** | 0.21*** | 0.17*** | 0.11*** | 0.20*** |
| x treatment x ISCED 6-8 | -0.12*** | 0.21*** | -1.05*** | 0.39*** | 0.20*** | 0.14*** | 0.04*** | 0.15*** |
| 3 rd year after dissolution | | | | | | | | |
| x treatment x ISCED 1-3 | -0.09*** | 0.16*** | -0.90*** | 0.11*** | 0.25*** | 0.10*** | 0.17*** | 0.18*** |
| x treatment x ISCED 4-5 | -0.09*** | 0.18*** | -1.05*** | 0.24*** | 0.33*** | 0.13*** | 0.10*** | 0.16*** |
| x treatment x ISCED 6-8 | -0.07*** | 0.20*** | -1.04*** | 0.37*** | 0.34*** | 0.11*** | 0.04*** | 0.10*** |
| 4 th year after dissolution | | | | | | | | |
| x treatment x ISCED 1-3 | -0.07*** | 0.15*** | -0.87*** | 0.09*** | 0.32*** | 0.08*** | 0.16*** | 0.15*** |
| x treatment x ISCED 4-5 | -0.06*** | 0.16*** | -1.02*** | 0.21*** | 0.43*** | 0.09*** | 0.10*** | 0.13*** |
| x treatment x ISCED 6-8 | -0.05*** | 0.18*** | -1.01*** | 0.33*** | 0.46*** | 0.08*** | 0.04*** | 0.06*** |
| 5 th year after dissolution | | | | | | | | |
| x treatment x ISCED 1-3 | -0.06*** | 0.14*** | -0.83*** | 0.07*** | 0.35*** | 0.06*** | 0.15*** | 0.14*** |
| x treatment x ISCED 4-5 | -0.04*** | 0.15*** | -0.99*** | 0.20*** | 0.49*** | 0.07*** | 0.09*** | 0.10*** |
| x treatment x ISCED 6-8 | -0.03*** | 0.17*** | -1.01*** | 0.29*** | 0.54*** | 0.05*** | 0.04*** | 0.05*** |
| 6 th year after dissolution | | | | | | | | |
| x treatment x ISCED 1-3 | -0.05*** | 0.14*** | -0.79*** | 0.06*** | 0.39*** | 0.04*** | 0.13*** | 0.12*** |
| x treatment x ISCED 4-5 | -0.04*** | 0.14*** | -0.96*** | 0.17*** | 0.53*** | 0.04*** | 0.08*** | 0.09*** |
| x treatment x ISCED 6-8 | -0.02* | 0.16*** | -0.99*** | 0.23*** | 0.59*** | 0.03* | 0.05*** | 0.06*** |
| 7 th year after dissolution | | | | | | | | |
| x treatment x ISCED 1-3 | -0.05*** | 0.12*** | -0.74*** | 0.04*** | 0.39*** | 0.03*** | 0.12*** | 0.12*** |
| x treatment x ISCED 4-5 | -0.05*** | 0.13*** | -0.92*** | 0.14*** | 0.52*** | 0.02 | 0.08*** | 0.11*** |
| x treatment x ISCED 6-8 | -0.02* | 0.15*** | -0.96*** | 0.20*** | 0.61*** | 0.03* | 0.05*** | 0.05*** |
| 8 th year after dissolution | | | | | | | | |
| x treatment x ISCED 1-3 | -0.04*** | 0.12*** | -0.69*** | 0.03* | 0.41*** | -0.01 | 0.12*** | 0.10*** |
| x treatment x ISCED 4-5 | -0.05*** | 0.13*** | -0.86*** | 0.10*** | 0.53*** | 0.00 | 0.07*** | 0.10*** |
| x treatment x ISCED 6-8 | -0.02 | 0.14*** | -0.96*** | 0.19*** | 0.65*** | 0.02 | 0.04*** | 0.05** |
| Unemployment rate | | | | | | | | |
| x ISCED 1-3 | -0.04*** | -0.01*** | -0.05*** | -0.02*** | -0.01*** | 0.00*** | 0.02*** | 0.02*** |
| x ISCED 4-5 | -0.03*** | -0.01*** | -0.05*** | -0.02*** | -0.01*** | 0.01*** | 0.02*** | 0.02*** |
| x ISCED 6-8 | -0.03*** | -0.02*** | -0.04*** | -0.03*** | -0.01*** | 0.01*** | 0.01*** | 0.03*** |
| Time x ISCED dummies | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Individual FE | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| <i>N</i> unique persons | 71,802 | 71,802 | 71,802 | 71,802 | 71,802 | 71,802 | 71,802 | 71,802 |
| <i>N</i> persons | 87,018 | 87,018 | 87,018 | 87,018 | 87,018 | 87,018 | 87,018 | 87,018 |
| <i>N</i> person-years | 797,132 | 797,132 | 797,132 | 797,132 | 797,132 | 797,132 | 797,132 | 797,132 |
| <i>R</i> ² overall | 0.98 | 0.97 | 0.88 | 0.95 | 0.67 | 0.48 | 0.92 | 0.89 |
| <i>R</i> ² within | 0.03 | 0.04 | 0.3 | 0.04 | 0.12 | 0.02 | 0.06 | 0.03 |
| <i>F</i> group diff (1 st year) | 19*** | 23*** | 67*** | 293*** | 5*** | 23*** | 298*** | 6*** |
| <i>F</i> group diff (2 nd year) | 1 | 17*** | 71*** | 277*** | 23*** | 4*** | 272*** | 24*** |
| <i>F</i> group diff (3 rd year) | 4*** | 14*** | 77*** | 230*** | 50*** | 4*** | 176*** | 44*** |
| <i>F</i> group diff (4 th year) | 4*** | 5*** | 76*** | 195*** | 65*** | 1 | 133*** | 40*** |
| <i>F</i> group diff (5 th year) | 8*** | 7*** | 89*** | 146*** | 106*** | 2* | 80*** | 32*** |
| <i>F</i> group diff (6 th year) | 7*** | 3** | 92*** | 48*** | 96*** | 1 | 31*** | 6*** |
| <i>F</i> group diff (7 th year) | 3** | 4*** | 61*** | 32*** | 70*** | 0 | 18*** | 11*** |
| <i>F</i> group diff (8 th year) | 2* | 1 | 75*** | 23*** | 45*** | 2* | 11*** | 5*** |

Notes: Educational attainment categorized using the International Standard Classification of Education (ISCED). The number of observations is smaller than in the main analysis because the education was incompletely registered before 2003. Standard errors accounted for clustering at the individual level. * $p < .05$, ** $p < .01$, *** $p < .001$.

Source: Statistics Netherlands, own calculations.

A.4 APPENDIX CHAPTER 5

Table A.37 Sampling designs

| | ESS 1 | ESS 2 | ESS 3 | ESS 4 | ESS 5 | ESS 6 | ESS 7 | ESS 8 | ESS 9 | GGG | EU- SILC ¹ | IPUMS -I |
|-----------------------|----------|----------|----------|----------|-----------------|-----------------|----------|----------|----------|-----------------|--------------------------|-------------|
| <i>North</i> | | | | | | | | | | | | |
| Netherlands | Hd | Hd | Hd | Hd | Hd | Hd | Hd | Hd | Ps | Hd | Pm | Ps |
| Finland | Ps | Ps | Ps | Ps | Ps | Ps | Ps | Ps | Ps | | Pm | Ps |
| Sweden | Ps | Ps | Ps | Ps | Ps | Ps | Ps | Ps | Ps | Ps | Ps | |
| Denmark | Ps | Ps | Ps | Ps | Ps | Ps | Ps | Ps | Ps | | Ps | |
| Norway | Pm | Ps | Ps | Ps | Ps | Ps | Ps | Ps | Ps | Ps | Ps | |
| Iceland | | Ps | | | | Ps | | Ps | Ps | | Ps | |
| <i>West</i> | | | | | | | | | | | | |
| Austria | Hd | Hd | Hd | | Hd ² | Hd ² | Hd | Hd | Hd | Ps | Hn | Ha |
| Germany | Pm | Pm | Pm | Pm | Pm | Pm | Pm | Pm | Pm | Hd | Hn ³ | Ha |
| Belgium | Pm | Pm | Pm | Pm | Pm | Pm | Pm | Pm | Pm | Pm | Hn | |
| France | Hd | Hd | Hd | Hd | Hd | Hd | Hd | Hd | Hd | Hd | Hn | Ha |
| Ireland | Hd | Hd | Hd | Hd | Hd | Hd | Hd | Hd | Hd | | Hn ³ | Ha |
| United Kd | Hd | Hd | Hd | Hd | Hd | Hd | Hd | Hd | Hd | | Hn | Ha |
| Switzerland | Hd | Hd | Hd | Hd | Ps | Ps | Pm | Pm | Pm | | Hn | Ha |
| Luxembourg | Hd | Hd | | | | | | | | | Hd ⁴ | |
| <i>South</i> | | | | | | | | | | | | |
| Greece | Hd | Hd | | Hd | Hd | | | | | | Hn | Ha |
| Italy | Hd | U | | | | Pm | | Pm | Pm | Ha | Hn | Ha |
| Spain | Hd | Pm | Pm | Pm | Pm | Pm | Pm | Pm | Pm | | Hn ³ | Ha |
| Portugal | Hd | Hd | Hd | Hd | Hd | Hd | Hd | Hd | Hd | Hd | Hn | Ha |
| Cyprus | | | Hd | Hd | Hd | Hd | | | Hd | | Hn | |
| Malta | | | | | | | | | | | Hn | |
| <i>Central/Baltic</i> | | | | | | | | | | | | |
| Slovenia | Pm | Pm | Pm | Pm | Pm | Pm | Pm | Pm | Pm | | Pm | Ps |
| Slovakia | | Ps | Ps | Hd | Hd | Hd | | | Hd | | Hn | |
| Poland | Pm | Pm | Pm | Pm | Pm | Pm | Pm | Pm | Pm | Hd | Hn | Ha |
| Hungary | Pm | Pm | Pm | Pm | Pm | Pm | Pm | Pm | Pm | Hd ⁵ | Hn | Ha |
| Czechia | Hd | Hd | | Hd | Hd | Hd | Hd | Hd | Hd | Hd | Hn | |
| Latvia | | | Hn | Hd | | | | | Hd | | Hn | |
| Estonia | | Ps | Ps | Ps | Ps | Ps | Ps | Ps | Ps | Ps | Hd | |
| Lithuania | | | | Hn | Hd | Hd | Hd | Hd | Hd | Pm | Hd | |
| <i>South-East</i> | | | | | | | | | | | | |
| Romania | | | Hn | Hd | | | | | | Hd | Hn | Ha |
| Croatia | | | | Hd | Hd | | | | Hd | | Hn | |
| Bulgaria | | | Hd | Hd | Hd | Hd | | | Hd | Pm | Hn | |
| Serbia | | | | | | | | | Hd | | Hn | |

Notes: Ps person single-stage probability sample, Pm person multi-stage probability sample, Ha household sample with all persons interviewed, Hd: household sample with one person interviewed and design weights, Hn household sample with one person interviewed and without design weights, U unknown.

¹ Countries designated as Hd provided household data after drawing a sample of persons from a register, so that the cross-sectional weights included reliable design weights. Countries designated as Hn provided household data after drawing a sample of households, with the size unknown a priori.

² Officially one round earlier, but fieldwork conducted when other countries were in this round.

³ Quota sampling in Germany (2005-07), Ireland (2005-13), Spain (2005-13).

⁴ Luxembourg sample was Hn before 2016.

⁵ Collected as wave 2 of the Hungarian Turning Points of the Life Course survey and therefore not cross-sectionally representative.

Table A.38 Identification of family relationships

| | EU-SILC | IPUMS-I partner-partner | IPUMS-I parent-child |
|-----------------------|--------------------------------|--|--|
| <i>North</i> | | | |
| Netherlands | K, H1, H2 (excl. grandparents) | | none |
| Finland | K, H1, H2 | | none |
| Sweden | K, H1 | | |
| Denmark | K, R1 | | |
| Norway | K, F | | |
| Iceland | K, H1, H2 | | |
| <i>West</i> | | | |
| Austria | A1 | 1971: 1, 2, 3, 4 1981: 1, 2, 3, 4 1991: 1, 2, 3, 4, 5 2001: 1, 2, 3, 4, 5 2011: none | 1971: 1, 3, 4, 5 1981: 1, 2, 3, 4, 5 1991: 1, 2, 3, 4, 5 2001: 1, 2, 3, 4, 5 2011: none |
| Germany | H1, H2 (excl. all in-laws) | 1, 3, 4 | none |
| Belgium | A1 | | |
| France | A1, A2 | | 1, 2, 3, 4, 5 ^a |
| Ireland | F | 1971: 1, 2 1979: 1, 2 1981: 1, 2 1986: 1, 2, 3, 6 1991: 1, 2, 3, 4 1996: 1, 2, 3, 4 2002: 1, 2, 3, 4 2006: 1, 2, 3, 4 2011: 1, 2, 3, 4 2016: 1, 2, 3, 4 | 1971: 1 1979: 1 1981: 1 1986: 1, 4 1991: 1, 4 1996: 1, 4, 5 2002: 1, 4, 5 2006: 1, 4, 5 2011: 1, 2, 3, 4, 5 2016: 1, 4, 5 |
| United Kd | F | 1991: 1, 2, 3, 4 2001: none | 1991: 1, 2, 3, 4, 5 2001: none |
| Switzerland | F | 1, 2, 3, 4 | 1, 4, 5 ^b |
| Luxembourg | H1 | | |
| <i>South</i> | | | |
| Greece | A1 | 1971: 1, 2, 3, 4, 6 1981: 1, 2, 3, 4, 6 1991: 1, 2, 3, 4, 6 2001: 1, 2, 3, 4, 6 2011: none | 1971: 1, 2, 3, 4, 5 1981: 1, 2, 3, 4, 5 1991: 1, 2, 3, 4, 5 2001: 1, 2, 3, 4, 5 2011: none |
| Italy | H1, H2 (excl. grandparents) | 1, 2, 3, 4 | 1, 2, 3, 4, 5 |
| Spain | H1 | 1981: none 1991: 1, 2, 3, 4 2001: 1, 2, 3, 4 2011: none | 1981: none 1991: 1, 2, 3, 4, 5 2001: 1, 4, 5 2011: none |
| Portugal | A1 | 1981: 1, 2, 3, 4 1991: 1, 2, 3, 4, 5 2001: 1, 2, 3, 4, 5 2011: 1, 2, 3, 4 | 1981: 1, 2, 3, 4, 5 1991: 1, 2, 3, 4, 5 2001: 1, 2, 3, 4, 5 2011: 1, 2, 3, 4, 5 |
| Cyprus | A1 | | |
| Malta | R1 | | |
| <i>Central/Baltic</i> | | | |
| Slovenia | A1 | 1, 3, 4 | 1, 4, 5 ^b |
| Slovakia | H1, H2 (excl. grandparents) | | |
| Poland | A1, H1, H2 | 1978: 1, 2, 3, 4 1988: none 2002: 1, 2, 3, 4 2011: none | 1978: 1, 4, 5 1988: none 2002: 1, 4 2011: none |
| Hungary | A1 | 1970: 1, 2, 3 1980: 1, 2, 3, 4 1990: 1, 3, 4 2001: 1, 3, 4 | 1970: 1 1980: 1, 3, 4, 5 1990: 1, 3, 4, 5 2001: 1, 4, 5 |

| | EU-SILC | IPUMS-I partner-partner | IPUMS-I parent-child |
|-------------------|---------------------------------|--|--|
| Czechia | A1, H1, H2 (excl. grandparents) | 2011: 1, 2, 3, 4, 5 | 2011: 1, 3, 4, |
| Latvia | H1 | | |
| Estonia | F | | |
| Lithuania | H1, H2 | | |
| <i>South-East</i> | | | |
| Romania | A1, H1, H2 | 1977: 1, 2, 3, 4 1992: 1, 2, 3, 4 2002: 1, 2, 3, 4 2011: 1, 2, 3, 4 | 1977: 1, 2, 3, 4, 5 1992: 1, 2, 3, 4, 5 2002: 1, 2, 3, 4, 5 2011: 1, 4, 5 |
| Croatia | A1, H1, H2 | | |
| Bulgaria | A1 | | |
| Serbia | A1 | | |

Notes: EU-SILC: K kinship register, F full relationship matrix, A1 first-degree relatives (father, mother, partner, and sometimes siblings) of all household members, A2 second-degree relatives (grandparents, grandchildren, children-in-law, and sometimes nephews/nieces) of all household members, H1 first-degree relatives of household head, H2 second-degree relatives of household head, R1 first-degree relatives of individuals who responded to the personal interview module. IPUMS-I partner-partner: 1 strong relationship pairing, couple adjacent, 2 strong relationship pairing, couple not adjacent, 3 weak relationship pairing, couple adjacent, 4 weak relationship pairing, couple not adjacent, 5 weak consensual union pairing, 6 sample-specific rules. IPUMS-I parent-child: 1 link to head or spouse, 2 child-grandchild, 3 specified other relatives, 4 other relatives, 5 non-relatives. More information about the IPUMS-I linkage rules is available in Sobek and Kennedy (2009).

^a Grandchildren are combined with children and children-in-law in 1962, 1968, 1975.

^b Grandchildren are combined with "other relatives" in all years.

Table A.39 Datasets suitable for analysis

| | Cross sectional | Panel | Time series |
|-----------------------|---|--------------------------------------|--|
| <i>North</i> | | | |
| Netherlands | ESS (1,2,3,4,5,6,7,8,9), GGS, EU-SILC (2005-18) | <i>EU-SILC (2006-18)^a</i> | <i>EU-SILC (2005-18)^a</i> |
| Finland | ESS (1,2,3,4,5,6,7,8,9), EU-SILC (2004-18) | <i>EU-SILC (2005-18)^a</i> | <i>EU-SILC (2004-18)^a</i> |
| Sweden | ESS (1,2,3,4,5,6,7,8,9), GGS, EU-SILC (2004-18) | <i>EU-SILC (2005-18)^a</i> | <i>EU-SILC (2004-18)^a</i> |
| Denmark | ESS (1,2,3,4,5,6,7,9), EU-SILC (2004-18) | <i>EU-SILC (2006-18)^a</i> | <i>EU-SILC (2004-18)^a</i> |
| Norway | ESS (1,2,3,4,5,6,7,8,9), GGS, EU-SILC (2004-18) | <i>EU-SILC (2005-18)^a</i> | <i>EU-SILC (2004-18)^a</i> |
| Iceland | ESS (2,6,8,9), EU-SILC (2004-16) | EU-SILC (2005-16) | <i>EU-SILC (2004-16)^a</i> |
| <i>West</i> | | | |
| Austria | ESS (1,2,3,5,6,7,8,9), GGS | EU-SILC (2005-18) | IPUMS-I (1981, 1991, 2001) |
| Germany | ESS (1,2,3,4,5,6,7,8,9), GGS | | |
| Belgium | ESS (1,2,3,4,5,6,7,8,9), GGS | EU-SILC (2005-18) | |
| France | ESS (1,2,3,4,5,6,7,8,9), GGS | EU-SILC (2005-18) | IPUMS-I (1982, 1991, 1999, 2006, 2011) |
| Ireland | ESS (1,2,3,4,5,6,7,8,9) | EU-SILC (2005-09,2012-18) | |
| United Kd | ESS (1,2,3,4,5,6,7,8,9) | EU-SILC (2006-17) | |
| Switzerland | <i>ESS (1,2,3,4,5,6,7,8,9)^a</i> | <i>EU-SILC (2014-18)^a</i> | |
| Luxembourg | <i>ESS (1,2)^a</i> | | |
| <i>South</i> | | | |
| Greece | ESS (1,2,4,5) | EU-SILC (2009-18) | IPUMS-I (1971, 1981, 1991, 2001) |
| Italy | ESS (1,6,8,9), GGS | EU-SILC (2005-18) | IPUMS-I (2001, 2011) |
| Spain | ESS (1,2,3,4,5,6,7,8,9) | | |
| Portugal | ESS (1,2,3,4,5,6,7,8,9) | EU-SILC (2005-17) | IPUMS-I (1981, 1991, 2001, 2011) |
| Cyprus | <i>ESS (3,4,5,6,9)^a</i> | EU-SILC (2006-18) | |
| Malta | | | |
| <i>Central/Baltic</i> | | | |
| Slovenia | ESS (1,2,3,4,5,6,7,8,9), EU-SILC (2005-18) | EU-SILC (2006-18) | EU-SILC (2005-18) |
| Slovakia | ESS (2,3,4,5,6,9) | EU-SILC (2006-16) | |
| Poland | ESS (1,2,3,4,5,6,7,8,9), GGS | EU-SILC (2006-18) | |
| Hungary | ESS (1,2,3,4,5,6,7,8,9) | EU-SILC (2006-18) | IPUMS-I (1980, 1990, 2011) |
| Czechia | ESS (1,2,4,5,6,7,8,9), GGS | EU-SILC (2006-18) | |
| Latvia | ESS (4,9) | | |
| Estonia | ESS (2,3,5,6,7,8,9), GGS, EU-SILC (2004-18) | EU-SILC (2005-18) | EU-SILC (2004-18) |
| Lithuania | ESS (5,6,7,8,9), GGS, EU-SILC (2005-18) | EU-SILC (2006-18) | EU-SILC (2005-18) |
| <i>South-East</i> | | | |
| Romania | ESS (4), GGS | <i>EU-SILC (2008-18)^a</i> | IPUMS-I (1977, 1992, 2002) |
| Croatia | ESS (4,5,9) | EU-SILC (2011-18) | |
| Bulgaria | ESS (3,4,5,6,9), GGS | EU-SILC (2007-18) | |
| Serbia | <i>ESS (9)^a</i> | EU-SILC (2014-18) | |

Notes: Data were considered suitable if parent-child relationships were identified well (rules K, F, A1, or H2 including in-laws for the EU-SILC; rules 1, 2 or 3, 4, and 5 for the IPUMS-I). The cross-sectional data should furthermore be sampled using design Ps, Pm, Ha, or Hd. The time-series data should comprise at least two time points with consistent measurement within each country.

^a Meets sampling and relationship criteria, but not used because less than 20 coresiding single-mother observations.

Table A.40 Values on country-level indicators

| | Childcare coverage | Public transfer adequacy | Housing access | Personal autonomy | Intergenerational solidarity |
|-----------------------|---------------------------|---------------------------------|-----------------------|--------------------------|-------------------------------------|
| <i>North</i> | | | | | |
| Netherlands | 6 | 49 | 92 | 54 | 26 |
| Finland | 21 | 49 | 68 | 51 | 13 |
| Sweden | 33 | 38 | 95 | 55 | 22 |
| Denmark | 65 | 59 | 86 | 54 | 15 |
| Norway | 35 | 39 | 79 | 53 | 25 |
| Iceland | 37 | 43 | 86 | 54 | 28 |
| <i>West</i> | | | | | |
| Austria | 4 | 48 | 69 | 51 | 26 |
| Germany | 14 | 53 | 75 | 53 | 31 |
| Belgium | 22 | 46 | 70 | 50 | 40 |
| France | 25 | 39 | 67 | 54 | 48 |
| Ireland | 10 | 58 | 64 | 50 | 34 |
| United Kd | 4 | 64 | 73 | 51 | 32 |
| <i>South</i> | | | | | |
| Greece | 12 | 18 | 40 | 48 | 63 |
| Italy | 14 | 24 | 42 | 50 | 58 |
| Spain | 18 | 27 | 53 | 50 | 61 |
| Portugal | 33 | 27 | 59 | 50 | 74 |
| <i>Central/Baltic</i> | | | | | |
| Slovenia | 34 | 42 | 31 | 50 | 51 |
| Slovakia | 3 | 24 | 18 | 48 | 46 |
| Poland | 3 | 36 | 26 | 46 | 56 |
| Hungary | 7 | 28 | 33 | 49 | 50 |
| Czechia | 1 | 31 | 38 | 51 | 37 |
| Latvia | 17 | 53 | 25 | 48 | 39 |
| Estonia | 16 | 28 | 33 | 50 | 39 |
| Lithuania | 8 | 36 | 14 | 47 | 25 |
| <i>South-East</i> | | | | | |
| Romania | 3 | 36 | 4 | 48 | 55 |
| Croatia | 11 | 42 | 15 | 46 | 58 |
| Bulgaria | 7 | 20 | 15 | 44 | 53 |

Source: Eurostat, OECD, European Social Survey, and European Values Study; own calculations.

Table A.41 Sample sizes of cross-sectional data (unweighted)

| | Single mothers | | Partnered mothers | | Single childless | | Total |
|-----------------------|----------------|--------------|-------------------|---------------|------------------|---------------|----------------|
| | w/o parent | with parent | w/o parent | with parent | w/o parent | with parent | |
| <i>North</i> | | | | | | | |
| Netherlands | 5,234 | 27 | 23,853 | 38 | 15,713 | 1,319 | 46,184 |
| Finland | 3,899 | 37 | 21,272 | 124 | 11,828 | 789 | 37,949 |
| Sweden | 3,189 | 34 | 16,528 | 64 | 7,566 | 701 | 28,082 |
| Denmark | 2,507 | 20 | 13,195 | 51 | 6,379 | 341 | 22,493 |
| Norway | 3,560 | 50 | 16,381 | 54 | 8,432 | 751 | 29,228 |
| Iceland | 1,656 | 101 | 6,958 | 36 | 1,715 | 627 | 11,093 |
| <i>West</i> | | | | | | | |
| Austria | 782 | 41 | 3,389 | 190 | 2,063 | 582 | 7,047 |
| Germany | 1,033 | 28 | 4,412 | 89 | 2,115 | 479 | 8,156 |
| Belgium | 637 | 33 | 3,230 | 60 | 952 | 727 | 5,639 |
| France | 1,080 | 20 | 3,298 | 20 | 2,256 | 335 | 7,009 |
| Ireland | 888 | 65 | 2,886 | 72 | 1,259 | 550 | 5,720 |
| United Kd | 1,104 | 26 | 2,128 | 25 | 1,628 | 210 | 5,121 |
| <i>South</i> | | | | | | | |
| Greece | 144 | 21 | 1,281 | 105 | 581 | 336 | 2,468 |
| Italy | 273 | 43 | 2,350 | 96 | 785 | 1,243 | 4,790 |
| Spain | 241 | 61 | 2,082 | 127 | 564 | 930 | 4,005 |
| Portugal | 419 | 70 | 1,684 | 118 | 822 | 499 | 3,612 |
| <i>Central/Baltic</i> | | | | | | | |
| Slovenia | 2,160 | 784 | 15,914 | 1,635 | 4,000 | 6,762 | 31,255 |
| Slovakia | 172 | 56 | 1,086 | 153 | 470 | 350 | 2,287 |
| Poland | 791 | 222 | 4,564 | 800 | 1,703 | 1,210 | 9,290 |
| Hungary | 301 | 84 | 1,563 | 137 | 752 | 554 | 3,391 |
| Czechia | 797 | 88 | 2,948 | 167 | 1,776 | 687 | 6,463 |
| Latvia | 89 | 20 | 305 | 39 | 229 | 56 | 738 |
| Estonia | 4,971 | 1,818 | 23,913 | 2,599 | 6,288 | 6,003 | 45,592 |
| Lithuania | 3,736 | 1,713 | 15,299 | 2,354 | 6,812 | 5,214 | 35,128 |
| <i>South-East</i> | | | | | | | |
| Romania | 178 | 62 | 1,876 | 230 | 525 | 304 | 3,175 |
| Croatia | 67 | 23 | 543 | 71 | 254 | 227 | 1,185 |
| Bulgaria | 329 | 206 | 3,115 | 827 | 802 | 937 | 6,216 |
| Total | 40,237 | 5,753 | 196,053 | 10,281 | 88,269 | 32,723 | 373,316 |

Source: European Social Survey, Generations and Gender Survey, and European Union Income Statistics on Income and Living conditions; own calculations.

Table A.42 Sample sizes of panel data (unweighted)

| | Single mothers | | Partnered mothers | | Single childless | | Total |
|-----------------------|----------------|--------------|-------------------|--------------|------------------|---------------|----------------|
| | intact | dissolved | intact | dissolved | intact | dissolved | |
| <i>North</i> | | | | | | | |
| Iceland | 84 | 71 | 39 | 67 | 680 | 399 | 1,340 |
| <i>West</i> | | | | | | | |
| Austria | 202 | 35 | 570 | 81 | 1,816 | 462 | 3,166 |
| Belgium | 90 | 44 | 152 | 60 | 2,171 | 631 | 3,148 |
| France | 90 | 57 | 120 | 44 | 2,100 | 924 | 3,335 |
| Ireland | 224 | 73 | 136 | 33 | 1,667 | 417 | 2,550 |
| United Kd | 207 | 58 | 200 | 67 | 2,256 | 622 | 3,410 |
| <i>South</i> | | | | | | | |
| Greece | 348 | 34 | 1,235 | 136 | 7,177 | 707 | 9,637 |
| Italy | 793 | 163 | 1,917 | 236 | 20,446 | 2,375 | 25,930 |
| Portugal | 675 | 80 | 1,120 | 120 | 4,912 | 542 | 7,449 |
| Cyprus | 150 | 25 | 399 | 118 | 3,842 | 432 | 4,966 |
| <i>Central/Baltic</i> | | | | | | | |
| Slovenia | 1,216 | 178 | 3,589 | 535 | 12,512 | 1,469 | 19,499 |
| Slovakia | 749 | 36 | 1,875 | 140 | 7,390 | 269 | 10,459 |
| Poland | 2,309 | 245 | 7,373 | 647 | 10,972 | 1,347 | 22,893 |
| Hungary | 1,216 | 139 | 1,835 | 299 | 6,345 | 846 | 10,680 |
| Czechia | 622 | 71 | 738 | 83 | 5,000 | 459 | 6,973 |
| Estonia | 1,067 | 93 | 1,442 | 148 | 3,392 | 443 | 6,585 |
| Lithuania | 1,006 | 107 | 1,315 | 128 | 2,951 | 471 | 5,978 |
| <i>South-East</i> | | | | | | | |
| Croatia | 325 | 25 | 1,591 | 118 | 3,634 | 402 | 6,095 |
| Bulgaria | 1,015 | 63 | 3,504 | 329 | 3,994 | 403 | 9,308 |
| Serbia | 442 | 30 | 2,962 | 160 | 2,676 | 234 | 6,504 |
| Total | 12,830 | 1,627 | 32,112 | 3,549 | 105,933 | 13,854 | 169,905 |

Source: European Union Income Statistics on Income and Living conditions, own calculations.

Table A.43 Sample sizes of time-series data (unweighted)

| | | Single mother | | Partnered mother | | Single childless | | Total |
|-----------------------|---------|---------------|-------------|------------------|-------------|------------------|-------------|---------|
| | | w/o parent | with parent | w/o parent | with parent | w/o parent | with parent | |
| <i>West</i> | | | | | | | | |
| Austria | 1981 | 10,879 | 2,603 | 86,664 | 9,987 | 27,737 | 14,162 | 152,032 |
| | 1991 | 13,741 | 3,033 | 80,339 | 7,760 | 32,324 | 19,931 | 157,128 |
| | 2001 | 16,303 | 2,386 | 80,251 | 6,176 | 38,975 | 19,137 | 163,228 |
| France | 1982 | 15,103 | 1,541 | 171,779 | 7,215 | 38,908 | 19,157 | 253,703 |
| | 1990 | 21,114 | 1,862 | 174,774 | 4,605 | 47,648 | 24,891 | 274,894 |
| | 1999 | 27,535 | 1,789 | 164,023 | 2,968 | 59,065 | 26,919 | 282,299 |
| | 2006 | 34,584 | 1,406 | 152,587 | 2,174 | 77,604 | 22,873 | 291,228 |
| | 2011 | 37,455 | 1,374 | 151,487 | 2,173 | 83,403 | 22,589 | 298,481 |
| <i>South</i> | | | | | | | | |
| Greece | 1971 | 7,129 | 3,184 | 94,951 | 28,388 | 21,246 | 21,409 | 176,307 |
| | 1981 | 5,746 | 1,942 | 110,417 | 25,550 | 22,127 | 19,621 | 185,403 |
| | 1991 | 6,830 | 1,942 | 107,629 | 19,219 | 23,821 | 28,453 | 187,894 |
| | 2001 | 9,395 | 2,052 | 99,899 | 13,366 | 34,078 | 43,515 | 202,305 |
| Italy | 2001 | 14,145 | 3,261 | 151,142 | 8,565 | 38,849 | 87,936 | 303,898 |
| | 2011 | 22,742 | 4,633 | 144,009 | 6,554 | 55,424 | 72,327 | 305,689 |
| Portugal | 1981 | 5,333 | 1,411 | 66,694 | 5,588 | 11,673 | 10,652 | 101,351 |
| | 1991 | 5,412 | 1,886 | 62,624 | 8,388 | 9,921 | 15,037 | 103,268 |
| | 2001 | 5,746 | 2,030 | 59,774 | 6,436 | 12,168 | 19,948 | 106,102 |
| | 2011 | 9,173 | 2,945 | 54,058 | 4,323 | 15,741 | 19,992 | 106,232 |
| <i>Central/Baltic</i> | | | | | | | | |
| Slovenia | 2005 | 126 | 56 | 943 | 128 | 181 | 510 | 1,944 |
| | 2006 | 157 | 68 | 1,056 | 149 | 215 | 559 | 2,204 |
| | 2007 | 131 | 69 | 1,001 | 128 | 216 | 525 | 2,070 |
| | 2008 | 153 | 46 | 1,035 | 130 | 249 | 515 | 2,128 |
| | 2009 | 155 | 57 | 1,100 | 120 | 255 | 458 | 2,145 |
| | 2010 | 148 | 55 | 1,153 | 116 | 267 | 444 | 2,183 |
| | 2011 | 151 | 48 | 1,089 | 103 | 291 | 445 | 2,127 |
| | 2012 | 141 | 50 | 1,088 | 91 | 313 | 407 | 2,090 |
| | 2013 | 139 | 42 | 1,067 | 87 | 302 | 414 | 2,051 |
| | 2014 | 150 | 47 | 1,026 | 91 | 308 | 431 | 2,053 |
| | 2015 | 134 | 54 | 952 | 80 | 261 | 409 | 1,890 |
| | 2016 | 144 | 57 | 949 | 71 | 276 | 387 | 1,884 |
| | 2017 | 153 | 48 | 1,045 | 82 | 288 | 356 | 1,972 |
| | 2018 | 146 | 29 | 1,054 | 77 | 283 | 336 | 1,925 |
| | Hungary | 1980 | 7,320 | 2,005 | 59,166 | 10,501 | 14,851 | 8,249 |
| 1990 | | 10,594 | 2,127 | 56,164 | 6,846 | 18,235 | 7,644 | 101,610 |
| 2011 | | 11,408 | 1,350 | 42,634 | 2,611 | 24,713 | 15,773 | 98,489 |
| Estonia | 2004 | 312 | 110 | 1,295 | 161 | 215 | 304 | 2,397 |
| | 2005 | 323 | 122 | 1,263 | 166 | 248 | 308 | 2,430 |
| | 2006 | 405 | 150 | 1,630 | 253 | 360 | 441 | 3,239 |
| | 2007 | 355 | 146 | 1,507 | 198 | 324 | 393 | 2,923 |
| | 2008 | 310 | 125 | 1,365 | 178 | 291 | 348 | 2,617 |
| | 2009 | 303 | 122 | 1,380 | 176 | 293 | 404 | 2,678 |
| | 2010 | 269 | 119 | 1,384 | 154 | 300 | 406 | 2,632 |
| | 2011 | 243 | 114 | 1,304 | 167 | 316 | 405 | 2,549 |
| | 2012 | 275 | 127 | 1,344 | 145 | 339 | 416 | 2,646 |
| | 2013 | 257 | 112 | 1,416 | 177 | 346 | 445 | 2,753 |
| | 2014 | 255 | 123 | 1,436 | 151 | 375 | 415 | 2,755 |
| 2015 | 236 | 110 | 1,419 | 130 | 359 | 359 | 2,613 | |
| 2016 | 245 | 97 | 1,512 | 128 | 384 | 384 | 2,750 | |
| 2017 | 257 | 76 | 1,512 | 133 | 427 | 371 | 2,776 | |
| 2018 | 240 | 67 | 1,480 | 123 | 456 | 327 | 2,693 | |
| Lithuania | 2005 | 302 | 136 | 1,231 | 190 | 308 | 304 | 2,471 |
| | 2006 | 239 | 119 | 1,174 | 189 | 344 | 313 | 2,378 |
| | 2007 | 233 | 123 | 1,195 | 188 | 335 | 354 | 2,428 |
| | 2008 | 210 | 111 | 1,062 | 177 | 332 | 332 | 2,224 |
| | 2009 | 204 | 128 | 1,068 | 188 | 365 | 391 | 2,344 |
| | 2010 | 231 | 143 | 1,109 | 170 | 391 | 411 | 2,455 |
| | 2011 | 227 | 138 | 961 | 160 | 422 | 393 | 2,301 |

| | Single mother | | Partnered mother | | Single childless | | Total | |
|-------------------|---------------|-------------|------------------|-------------|------------------|-------------|---------|-----------|
| | w/o parent | with parent | w/o parent | with parent | w/o parent | with parent | | |
| 2012 | 223 | 121 | 906 | 163 | 459 | 409 | 2,281 | |
| 2013 | 198 | 111 | 784 | 138 | 420 | 338 | 1,989 | |
| 2014 | 206 | 108 | 795 | 144 | 411 | 372 | 2,036 | |
| 2015 | 191 | 90 | 745 | 128 | 372 | 342 | 1,868 | |
| 2016 | 203 | 103 | 743 | 127 | 413 | 324 | 1,913 | |
| 2017 | 218 | 101 | 738 | 121 | 446 | 351 | 1,975 | |
| 2018 | 212 | 110 | 761 | 121 | 429 | 380 | 2,013 | |
| <i>South-East</i> | | | | | | | | |
| Romania | 1977 | 8,103 | 2,730 | 121,713 | 20,180 | 20,752 | 12,734 | 186,212 |
| | 1992 | 13,418 | 4,254 | 131,998 | 23,560 | 23,948 | 18,767 | 215,945 |
| | 2002 | 12,925 | 5,907 | 109,554 | 26,769 | 23,229 | 28,499 | 206,883 |
| Total | | 341,543 | 63,741 | 2,583,407 | 265,999 | 790,625 | 617,151 | 4,662,466 |

Source: Integrated Public Use Microdata Series International and European Union Income Statistics on Income and Living conditions, own calculations.

A.5 STATA PACKAGE NLMED

In Chapter 3, I conduct an event-history mediation analysis. This analysis is equivalent to a mediation analysis of a logit, Poisson, complementary log-log, or other nonlinear model with a binary outcome. Mediation analysis is typically conducted by comparing a reduced model, without mediators, to a full model, including all mediators. Unfortunately, the nonlinear transformation of binary outcome models fixes the variance, so that a change in the explained variance leads to a rescaling of the model parameters. That is, the parameters of the reduced model and the full model cannot be compared on the same scale. This problem can be solved by removing the shared variance between the independent variable and the mediator variables from the mediator variable (“*X*-residualization”) in the reduced model and using the original mediator variables in the full model; a solution known as the KHB method (Karlson et al. 2012). Although the KHB method is intuitive, effective, and fast, its options are limited. Instead, the same results can be obtained using generalized structural equation modeling (GSEM), which offers a wide variety of modeling options, including parameter constraints, latent variables, and reliability corrections. In Chapter 3, I split a multi-actor dataset with information of both partners in a couples into two halves, with one half serving as the ego respondents and the other half serving as their partners. Because the splitting was done at random and the outcome is at the couple level, the effects of ego variables and partner variables should have the same coefficients – any variation would be the result of random fluctuation. Hence, to avoid overfitting, I wanted to constrain the effect of the ego and partner variables to equality. Because this could not be achieved with the KHB method, I wrote a Stata program based on GSEM. This program was not only useful for my own research but might also benefit others interested in nonlinear mediation analysis. The program, including a helpfile, is provided as part of the replication files via the Open Science Framework (<https://osf.io/cq83b>). It can also be installed directly by opening Stata and typing *net install nlmed, from(<https://raw.githubusercontent.com/bhogend1/nlmed/master>)*, after which the helpfile can be consulted by typing *help nlmed*.