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Does Fixed-Term Employment Have Spillover Effects on the Well-Being of Partners? A Panel Data Analysis for East and West Germany

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Online Resource 1

Table S1: Spillover effects of fixed-term employment on the well-being of partners and gender differences by place of socialization

	M1	M2	M3	M4
<u>Dependent variable:</u>	β	β	β	β
<i>Partner's well-being</i>	(t-value)	(t-value)	(t-value)	(t-value)
	unemployment to fixed-term employment		fixed-term to permanent employment	
Employment status transition (<i>Ref.: no transition</i>)				
transition	0.30*** (4.14)	0.46*** (3.84)	-0.06 (-1.54)	-0.05 (-1.02)
age	0.26 (1.52)	0.05 (0.24)	-0.18 (-0.99)	-0.37 (-1.54)
age ²	0.00 (0.42)	-0.00 (-0.16)	-0.00 (-0.46)	-0.00 (-0.43)
unemployment rate	0.00 (0.10)	0.08 (1.02)	-0.02 (-1.04)	0.03 (0.95)
Interaction with gender (<i>Ref.: male</i>)				
female × transition	-0.23** (-2.21)	-0.46*** (-2.58)	0.05 (0.89)	0.05 (0.67)
female × age	-0.32 (-1.46)	0.00 (0.01)	0.19 (0.84)	0.10 (0.31)
female × age ²	-0.00 (-0.94)	-0.00 (-1.02)	0.00* (1.75)	0.00 (1.34)
female × unemployment rate	-0.05 (-0.90)	-0.17 (-1.00)	-0.05* (-1.81)	-0.06 (-1.10)
Interaction with socialization (<i>Ref: West Germany</i>)				
east × transition		-0.29* (-1.85)		-0.00 (-0.04)
east × age		0.59 (1.63)		0.36 (1.01)
east × age ²		0.00 (0.75)		0.00 (0.03)
east × unemployment rate		-0.12 (-1.38)		-0.04 (-0.85)
female × east × transition		0.38* (1.73)		-0.01 (-0.07)
female × east × age		-0.75 (-1.59)		0.19 (0.38)
female × east × age ²		0.00 (0.41)		0.00 (0.12)
female × east × unemployment rate		0.17 (0.89)		0.00 (0.01)
constant	3.89 (1.00)	1.78 (0.42)	9.63*** (2.73)	11.41*** (3.13)
Period effects?	✓	✓	✓	✓
N (observations)	10,907	10,907	18,167	18,167
N (spells)	3,463	3,463	3,947	3,947
N (couples)	2,373	2,373	2,990	2,990

Note: Socio-Economic Panel, version 34, 1995-2017. * $p < 0.10$, ** $p < 0.05$, *** $p < 0.01$. All models include period effects and the respective interactions with female (M1, M3) and female and east (M2, M4). Age and place of socialization refer to the partner. The standard errors are clustered at the couple level.

Table S2: Spillover effects of fixed-term employment on the well-being of partners by gender and the mediating role of the well-being of individuals

	M1	M2	M3	M4
<u>Dependent variable:</u> <i>Partner's well-being</i>	β (t-value)	β (t-value)	β (t-value)	β (t-value)
	unemployment to fixed-term employment		fixed-term to permanent employment	
Employment status transition (<i>Ref.: no transition</i>)				
transition	0.30*** (4.14)	0.11 (1.57)	-0.06 (-1.54)	-0.07* (-1.83)
age	0.26 (1.52)	-0.09 (-1.38)	-0.18 (-0.99)	0.00 (0.11)
age ²	0.00 (0.42)	0.00 (0.73)	-0.00 (-0.46)	-0.00 (-0.97)
unemployment rate	0.00 (0.10)	0.03 (0.88)	-0.02 (-1.04)	-0.01 (-0.87)
Interaction with gender (<i>Ref.: male</i>)				
female $\times$ transition	-0.23** (-2.21)	-0.16 (-1.57)	0.05 (0.89)	0.07 (1.32)
female $\times$ age	-0.32 (-1.46)	-0.25 (-1.16)	0.19 (0.84)	0.30 (1.25)
female $\times$ age ²	-0.00 (-0.94)	-0.00 (-1.26)	0.00* (1.75)	0.00** (2.17)
female $\times$ unemployment rate	-0.05 (-0.90)	-0.05 (-1.03)	-0.05* (-1.81)	-0.04 (-1.56)
constant	3.89 (1.00)	12.58*** (3.46)	9.63*** (2.73)	0.87 (0.24)
Period effects?	✓	✓	✓	✓
Mediator				
own life satisfaction		0.31*** (15.58)		0.25*** (14.57)
female $\times$ own life satisfaction		-0.01 (-0.56)		0.01 (0.49)
<i>N</i> (observations)	10,907	10,907	18,167	18,167
<i>N</i> (spells)	3,463	3,463	3,947	3,947
<i>N</i> (couples)	2,373	2,373	2,990	2,990

Note: Socio-Economic Panel, version 34, 1995-2017. * $p < 0.10$, ** $p < 0.05$, *** $p < 0.01$. All models include period effects and the respective interactions with female. Age refers to the partner. The standard errors are clustered at the couple level.

Table S3: Effects of fixed-term employment on the well-being of individuals by gender and the mediating role of individuals' perceived job insecurity and financial worries

	M1	M2
<u>Dependent variable:</u>	β	β
<i>Individual's well-being</i>	(t-value)	(t-value)
fixed-term to permanent employment		
Employment status transition (Ref.: no transition)		
transition	0.03 (0.84)	0.00 (0.07)
age	-0.07*** (-2.62)	-0.06** (-2.28)
age ²	0.00** (2.40)	0.00** (2.03)
unemployment rate	-0.01 (-0.98)	-0.02 (-1.09)
Interaction with gender (Ref.: male)		
female × transition	-0.08 (-1.41)	-0.09 (-1.52)
female × age	-0.41* (-1.91)	-0.45** (-2.07)
female × age ²	-0.00 (-1.07)	-0.00 (-0.76)
female × unemployment rate	-0.03 (-1.41)	-0.02 (-1.04)
constant	15.24*** (5.19)	15.75*** (5.37)
Period effects?	✓	✓
Mediators		
Financial worries (Ref.: no worries)		
worries		-0.28*** (-7.32)
female × worries		0.04 (0.65)
Job insecurity (Ref.: no job insecurity)		
insecurity		-0.11*** (-2.76)
female × insecurity		-0.07 (-1.25)
<i>N</i> (observations)	18,167	18,167
<i>N</i> (spells)	3,947	3,947
<i>N</i> (individuals)	2,990	2,990

Note: Socio-Economic Panel, version 34, 1995-2017. * $p < 0.10$, ** $p < 0.05$, *** $p < 0.01$. All models include period effects and the respective interactions with female. The standard errors are clustered at the couple level.

Table S4: Robustness check 1: Spillover effects of unemployment to permanent employment transitions on the well-being of partners by gender

	M1
<u>Dependent variable:</u>	β
<i>Partner's well-being (M1-2)</i>	(t-value)
<i>Individual well-being (M3)</i>	
Employment status transition (Ref.: no transition)	
transition	0.35*** (5.90)
age	0.22 (1.53)
age ²	0.00 (0.18)
unemployment rate	0.00 (0.10)
Interaction with gender (Ref.: male)	
female × transition	-0.28*** (-3.19)
female × age	-0.26 (-1.37)
female × age ²	-0.00 (-0.41)
female × unemployment rate	-0.07* (-1.89)
constant	3.66 (1.04)
Period effects?	✓
<i>N</i> (observations)	14,741
<i>N</i> (spells)	3,860
<i>N</i> (couples)	2,659

Note: Socio-Economic Panel, version 34, 1995-2017. * $p < 0.10$, ** $p < 0.05$, *** $p < 0.01$. All models include period effects and the respective interactions with female. Age refers to the partner. The standard errors are clustered at the couple level.

Table S5: Robustness check 2: Spillover effects of fixed-term employment on the well-being of partners by gender and place of socialization (25–40-year-old individuals)

<u>Dependent variable:</u> <i>Partner's well-being</i>	M1 β (t-value)	M2 β (t-value)
	unemployment to fixed-term employment	fixed-term to permanent employment
Employment status transition (<i>Ref.: no transition</i>)		
transition	0.31** (2.33)	0.07 (1.19)
age	0.90* (1.85)	-0.74*** (-2.63)
age ²	-0.01** (-2.17)	0.00 (1.11)
unemployment rate	-0.03 (-0.52)	-0.02 (-0.66)
Interaction with gender (<i>Ref.: male</i>)		
female × transition	-0.26 (-1.39)	-0.10 (-1.09)
female × age	-0.60 (-0.93)	0.51 (1.31)
female × age ²	0.01 (1.04)	-0.00 (-0.73)
female × unemployment rate	0.03 (0.29)	0.00 (0.06)
constant	-3.12 (-0.46)	17.72*** (4.59)
Period effects?	✓	✓
<i>N</i> (observations)	2,627	6,520
<i>N</i> (spells)	1,004	1,876
<i>N</i> (couples)	739	1,434

Note: Socio-Economic Panel, version 34, 1995-2017. * $p < 0.10$, ** $p < 0.05$, *** $p < 0.01$. All models include period effects and the respective interactions with female. Age refers to the partner. The standard errors are clustered at the couple level.

Table S6: Robustness check 3: Spillover effects of fixed-term employment on the well-being of partners by gender (effects for fixed-term temporary agency workers and fixed-term non-temporary agency workers)

Dependent variable: <i>Partner's well-being</i>	M1 β (t-value)	M2 β (t-value)	M3 β (t-value)	M4 β (t-value)
	unemployment to fixed-term ...		fixed-term ... to permanent employment	
	TAW	NTAW	TAW	NTAW
Employment status transition (Ref.: no transition)				
transition	0.23 (1.52)	0.31*** (3.46)	0.42*** (2.92)	-0.14*** (-2.95)
age	-0.02 (-0.16)	-0.09 (-0.61)	-1.61*** (-3.64)	0.04 (0.32)
age ²	0.00 (0.59)	0.00 (0.49)	0.00 (1.61)	-0.00 (-0.42)
unemployment rate	-0.03 (-0.71)	-0.03 (-0.76)	-0.00 (-0.03)	-0.04* (-1.85)
Interaction with gender (Ref.: male)				
female × transition	-0.09 (-0.33)	-0.21 (-1.64)	-0.03 (-0.13)	0.08 (1.16)
female × age	-0.08 (-0.38)	-0.09 (-0.47)	-0.23 (-0.81)	0.05 (0.23)
female × age ²	-0.00 (-1.31)	-0.00 (-1.14)	0.00 (0.52)	0.00 (1.58)
female × unemployment rate	-0.03 (-0.36)	-0.05 (-0.79)	-0.19 (-0.98)	-0.00 (-0.14)
constant	10.05*** (2.74)	12.75*** (3.77)	62.78*** (4.69)	4.82 (1.35)
Period effects?	✓	✓	✓	✓
<i>N</i> (observations)	6,154	7,392	1,029	12,325
<i>N</i> (spells)	1,990	2,385	240	2,889
<i>N</i> (couples)	1,478	1,715	226	2,256

Note: Socio-Economic Panel, version 34, 2003-2017. * $p < 0.10$, ** $p < 0.05$, *** $p < 0.01$. All models include period effects and the respective interactions with female. Age refers to the partner. The standard errors are clustered at the couple level. TAW = temporary agency work, NTAW = non temporary agency work.