

Supplementary online materials for the article

Kinship, inter- and intraethnic social networks and refugees' division of domestic labor

Yuliya Kosyakova & Nevena Kulic

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Table S1: Attitudes about gender role conceptions, democracy, and family values (agreement in percent)

		IAB-BAMF-SOEP-Survey of Refugees			World Values Survey (WVS)			
		Refugees			German citizens ¹⁾	Countries in crisis ²⁾		
		2016	2017	2018	2010-2014	2017-2020	2010-2014	2017-2020
Okay? ⁴⁾	Homosexuality	-	19	-	54	78	6	5
	Prostitution	-	8	-	32	39	4	5
	Abortion	-	7	-	34	45	9	9
	Divorce	-	15	-	58	70	28	20
	Premarital sex	-	24	-	73	86	4	9
	Suicide	-	1	-	19	29	7	4
	Violence against one's own wife	-	0	-	3	1	12	7
	Violence against one's own children	-	2	-	4	2	25	24
	Violence against other people	-	0	-	3	1	7	5
Agree?	Having a job is the best way for a woman to be independent ⁵⁾	85	85	87	72	-	50	-
	Even a married woman should have a paid job so that she can be financially independent ⁵⁾	83	84	89	-	-	-	-
	If a woman earns more money than her partner, this inevitably leads to problem ^{5) 6)}	25	22	18	18	15	40	58
	For parents, vocational training or higher education for their sons should be more important than vocational training or higher education for their daughters ^{5) 7)}	17	17	19	15	4	35	40
	At home, the husband should have the final say. ^{5) 6)}	28	24	19	-	-	-	-
Part of Democracy? ⁴⁾	Women have the same rights as men	92	95	97	92	97	67	78

Notes: ¹⁾ Persons with German citizenship in the WVS. ²⁾ Countries defined as countries in crisis were Algeria, Palestine, Iraq, Libya, Egypt, and Yemen. ³⁾ Countries defined as countries in crisis were Iraq, Iran, Egypt, Nigeria, Pakistan, and Ethiopia. ⁴⁾ For attitudes toward democracy and family values, the response scale, which runs from 0 (should definitely not happen in a democracy) to 10 (should definitely happen in a democracy), was condensed into disagreement (responses 0 to 5) and agreement (responses 6 to 10). The response options in the WVS do not contain a neutral middle category, in contrast to the IAB-BAMF-SOEP survey. The responses in the IAB-BAMF-SOEP survey on the middle category (value of 5) are considered here "rejection." ⁵⁾ The response scale in the IAB-BAMF-SOEP Refugee Survey, which ranges from 1 (totally disagree) to 7 (totally agree), was condensed into disagreement (responses 1 to 4) and agreement (responses 5 to 7). ⁶⁾ The WVS 2010–2014 response scale, which ranges from 1 (agree) to 3 (disagree), was condensed into disagreement (responses 2 to 3) and agreement (response 1). The WVS 2017–2020 response scale, which ranges from 1 (strongly agree) to 5 (strongly disagree), was condensed into disagreement (responses 3 to 5) and agreement (responses 1 to 2). ⁷⁾ The WVS response scale, which ranges from 1 (strongly agree) to 4 (strongly disagree), was condensed into disagreement (responses 3 to 4) and agreement (responses 1 to 2).

Source: For refugees, IAB-BAMF-SOEP-Survey of Refugees 2016–2018; for German citizens and countries in crisis, WVS, Wave 6, 2010–2014 and Wave 7, 2017–2020; Results are weighted.

Table S2 Characteristics of husbands and wives

Variables		Mean/Sh (SD) are		Range	Missing (%)	Description
<i>Premigration years of education</i> (TI)	Husband	9.91	5.20	0-27	7.63	Based on the self-reported years of school, vocational, and higher education attended before migrating to Germany.
	Wife	9.02	5.15	0-26	5.93	
<i>Premigration work experience</i> (TI)	Husband	0.97		0/1	5.41	Based on a question regarding whether the respondent had ever worked before migrating to Germany.
	Wife	0.32		0/1	2.37	
<i>Working status</i>		0.22				Current working status based on variables for occupational position and employment status generated by SOEP group; employed = employed full-time, employed part-time or marginally employed; unemployed = unemployed; in education or training = currently receiving education or training; inactive = not employed for other reasons, pensioner.
Employed	Husband	0.05		0/1	0	
	Wife	0.29		0/1	0	
Unemployed	Husband	0.31		0/1	0	
	Wife	0.05		0/1	0	
In education or training	Husband	0.02		0/1	0	
	Wife	0.44		0/1	0	
Inactive	Husband	0.62		0/1	0	
	Wife	7.82		0/1	0	
<i>Health satisfaction</i>	Husband	7.82	2.44	0-10	0.07	Self-reported satisfaction with health; continuous variable ranging from 0 (not happy at all) to 10 (completely happy)
	Wife	7.58	2.44	0-10	0.04	
<i>Age</i>	Husband	39.50	8.45	20-64	0	Based on the birth year of the respondent and the date of the interview.
	Wife	34.32	8.01	18-60	0	
<i>Family and gender role attitudes</i>	Husband	-0.04	0.45	-1.95-2.29	0.56	A score based on self-reported degree of agreement with the statements on about gender role conceptions, democracy, and family values measured in the data (see Table S1). For these items, a score was created for every observation for which there is a response to at least one item. The summative score is divided by the number of items over which the sum is calculated. Cronbach's alpha = 0.657. Higher values correspond to less traditional family and gender role attitudes.
	Wife	-0.02	0.46	-1.80-3.31	0.44	
<i>Months since arrival</i>	Husband	35.59	14.51	0-82	3.08	Based on the month of the interview and the self-reported number of months since arrival in Germany.
	Wife	33.68	14.81	0-80	4.56	
<i>Origin country (group)</i> (TI)						Based on the self-reported citizenship.
Syria	Husband	0.63		0/1	0	
	Wife	0.62		0/1	0	
Afghanistan	Husband	0.11		0/1	0	
	Wife	0.11		0/1	0	
Iraq	Husband	0.13		0/1	0	
	Wife	0.13		0/1	0	
Other MENA	Husband	0.02		0/1	0	
	Wife	0.02		0/1	0	
West Balkan	Husband	0.03		0/1	0	

Former USSR	Wife	0.04		0/1	0	Based on the household question regarding the total self-reported income of a household, after tax and other deductions, available for spending or saving; net household income was divided by the household equivalence scale and corrected for inflation.
	Husband	0.01		0/1	0	
Other Africa	Wife	0.01		0/1	0	
	Husband	0.03		0/1	0	
Other states	Wife	0.03		0/1	0	
	Husband	0.01		0/1	0	
Missing/Stateless	Wife	0.01		0/1	0	
	Husband	0.01		0/1	0	
	Wife	0.01		0/1	0	
<i>Equivalized disposable income</i>	Couple	0.65	0.29	0-8.21	6.60	
<i>Marital status</i>	Couple	0.98	0.12	0/1	0	
<i>Number of children up to 14 years old</i>	Couple	2.28	1.41	0-10	0.41	
<i>Children < 1 year old</i>	Couple	0.29		0/1	0.41	
<i>Children 2-4 years old</i>	Couple	0.44		0/1	0.41	
<i>Children 5-7 years old</i>	Couple	0.41		0/1	0.41	
<i>Person who needs care in household</i>	Couple	0.07		0/1	0.44	
<i>Size of the living space</i>	Couple	8.47	2.42	1-20	13.71	
<i>Shared accommodation</i>	Couple	0.87		0/1	0.41	
<i>Yard</i>	Couple	0.27		0/1	13.52	
<i>Order of arrival (TI)</i>						
husband first	Couple	0.22		0/1	4.96	
wife first	Couple	0.08		0/1	4.96	
together	Couple	0.70		0/1	4.96	
<i>Different origin countries (TI)</i>	Couple	0.97		0/1	1.63	
<i>East Germany</i>	Couple	0.16		0/1	0	

					Rhine-Westphalia, Hesse, Rhineland Palatinate, Baden-Wuerttemberg, Bavaria, Saarland = 0).
<i>Sample (TI)</i>					Indicator of the specific sample respondents belonged to; M3: adults registered as of January 2016 and adults newly registered between February and April 2016; M4: adults registered as of April 2016 and underage persons registered as of June 2016; M5: adults who arrived between 2015 and January 2017 (not registered when the first wave was drawn from the AZR, first delivery). M3 and M4 were first surveyed in 2016. M5 were first surveyed in 2017.
M3	Couple	0.29	0/1	0	
M4	Couple	0.47	0/1	0	
M5	Couple	0.24	0/1	0	
<i>Survey year</i>					Year of the survey
2016	Couple	0.19	0/1	0	
2017	Couple	0.30	0/1	0	
2018	Couple	0.27	0/1	0	
2019	Couple	0.24	0/1	0	

Data source: IAB-BAMF-SOEP Refugee Sample, 2016-2019.

Notes: TI = time-invariant. In the multivariate model, we control for missing values in the variables of interest.

Table S3 Absolute and relative hours spent in housework for refugee couples: omitted controls from Models in Table 2.

Outcome:	Husband's absolute hours		Wives' absolute hours		Wives' share in total hours	
Model:	Model 2	Model 3	Model 5	Model 6	Model 8	Model 9
	β (SE)	β (SE)	β (SE)	β (SE)	β (SE)	β (SE)
<i>Premigration years of education</i>	-0.00 (0.01)	-	-0.01 (0.01)	-	-0.31** (0.10)	-
<i>Partners' premigration years of education</i>	0.01* (0.01)	-	0.01 (0.01)	-	0.06 (0.09)	-
<i>Premigration work experience</i>	0.15 (0.14)	-	-0.09 (0.10)	-	-1.01 (0.99)	-
<i>Partners' premigration work experience</i>	0.06 (0.05)	-	0.19 (0.22)	-	-2.42 (2.54)	-
<i>Working status (Ref. Employed)</i>	-	-	-	-	-	-
Unemployed	0.30** (0.06)	0.32** (0.08)	0.52** (0.16)	0.55** (0.21)	5.36* (2.26)	3.25 (2.47)
In education or training	-0.17* (0.08)	-0.19+ (0.11)	-0.16 (0.21)	0.22 (0.23)	-0.69 (2.99)	-0.24 (3.44)
Inactive	0.30** (0.06)	0.32** (0.08)	0.54** (0.17)	0.53* (0.22)	5.66* (2.25)	3.60 (2.46)
<i>Partners' working status (Ref. Employed)</i>	-	-	-	-	-	-
Unemployed	-0.22+ (0.13)	-0.12 (0.16)	-0.25* (0.11)	-0.33* (0.14)	-5.61** (1.07)	-5.56** (1.40)
In education or training	-0.05 (0.16)	0.00 (0.20)	0.05 (0.17)	0.22 (0.21)	2.71 (1.67)	5.00** (1.89)
Inactive	-0.21+ (0.13)	-0.09 (0.16)	-0.20+ (0.11)	-0.29* (0.15)	-5.61** (1.08)	-6.59** (1.45)
<i>Health satisfaction</i>	-0.00 (0.01)	-0.01 (0.01)	-0.02 (0.02)	-0.02 (0.02)	0.40* (0.17)	-0.07 (0.22)
<i>Partners' health satisfaction</i>	-0.02* (0.01)	0.00 (0.01)	-0.03* (0.02)	-0.03 (0.02)	-0.25 (0.16)	0.08 (0.21)
<i>Age</i>	-0.00 (0.00)	0.11 (0.09)	0.02+ (0.01)	0.00 (0.18)	0.18+ (0.09)	-1.41 (1.61)
<i>Partners' age</i>	-0.01 (0.01)	-	0.00 (0.01)	-	0.07 (0.08)	-
<i>Family and gender role attitudes</i>	0.17** (0.05)	-	-0.10 (0.10)	-	-1.19 (1.01)	-
<i>Partners' family and gender role attitudes</i>	0.00 (0.06)	-	0.04 (0.09)	-	-2.68** (0.98)	-
<i>Months since arrival</i>	-0.00 (0.00)	-0.01 (0.01)	0.00 (0.00)	-0.01 (0.02)	0.01 (0.05)	0.06 (0.13)
<i>Equivalized disposable income</i>	-0.08 (0.05)	-0.04 (0.06)	-0.09 (0.10)	0.04 (0.11)	1.33 (1.08)	1.32 (1.08)
<i>Nonregistered partnership</i>	-0.06 (0.14)	0.07 (0.40)	-0.43* (0.18)	-0.02 (0.35)	-0.21 (2.83)	-3.77 (6.71)
<i>Number of children aged up to 14 years</i>	0.03 (0.02)	-0.05 (0.06)	0.18** (0.04)	0.19+ (0.10)	0.17 (0.39)	1.21 (1.01)
<i>Children aged < 1 year</i>	0.01 (0.05)	-0.03 (0.08)	0.34** (0.09)	0.17 (0.14)	1.03 (0.93)	0.68 (1.33)
<i>Children aged 2–4 years</i>	0.03 (0.05)	-0.01 (0.08)	0.15+ (0.09)	-0.03 (0.14)	0.69 (0.92)	-0.15 (1.33)
<i>Children aged 5–7 years</i>	-0.00 (0.05)	-0.08 (0.08)	0.10 (0.09)	-0.07 (0.14)	-0.20 (0.87)	-0.36 (1.27)
<i>Person who needs care in household</i>	0.01 (0.10)	0.08 (0.13)	0.31+ (0.17)	0.28 (0.23)	1.50 (1.52)	1.13 (2.04)
<i>Size of the living space</i>	-0.00 (0.01)	0.01 (0.02)	0.06** (0.02)	0.04 (0.04)	0.20 (0.18)	-0.12 (0.30)

<i>Shared accommodation</i>	0.21 (0.16)	0.29 (0.19)	0.06 (0.23)	0.03 (0.39)	-3.39 (2.68)	-4.92 (3.06)
<i>Yard</i>	0.03 (0.05)	0.11 (0.09)	0.22* (0.09)	-0.06 (0.14)	-0.01 (0.87)	-2.24 (1.42)
<i>Order of arrival (Ref. husband first)</i>	-	-	-	-	-	-
Wife first	-0.08 (0.10)	-	-0.03 (0.18)	-	-0.18 (1.75)	-
Together	-0.03 (0.06)	-	-0.04 (0.10)	-	-0.20 (1.04)	-
<i>Nonidentical origin country</i>	0.23* (0.11)	-	-0.11 (0.18)	-	-4.76* (2.38)	-
<i>East Germany</i>	-0.01 (0.06)	0.11 (0.23)	-0.09 (0.11)	-0.02 (0.35)	-0.48 (1.13)	-2.93 (5.66)
Country-group-of-origin dummies	Yes	Yes	Yes	Yes	Yes	Yes
Survey sample dummies	Yes	Yes	Yes	Yes	Yes	Yes
Survey year dummies	Yes	Yes	Yes	Yes	Yes	Yes
Individual fixed effects	No	Yes	No	Yes	No	Yes

Data source: IAB-BAMF-SOEP Refugee Sample, 2016–2019.

Notes: + $p < 0.1$, * $p < 0.05$, ** $p < 0.01$ (two-tailed test). Models 2, 5, and 8 were estimated as OLS with robust standard errors. Models 3, 6, and 9 are individual fixed effects models with robust standard errors. For all indicators, a higher value corresponds to more (absolute or relative) hours.

Table S4 Absolute and relative hours refugee couples with children spend doing housework

Outcome:	Husband's absolute hours			Wives' absolute hours			Wives' share in total hours		
	Model 1	Model 2	Model 3	Model 4	Model 5	Model 6	Model 7	Model 8	Model 9
	β (SE)	β (SE)	β (SE)	β (SE)	β (SE)	β (SE)	β (SE)	β (SE)	β (SE)
Residential proximity of own kin (Ref: No kin in Germany)	-	-	-	-	-	-	-	-	-
In same household	-0.12 (0.11)	-0.11 (0.10)	-1.11** (0.41)	-0.01 (0.35)	0.02 (0.41)	1.79+ (1.07)	-0.41 (2.53)	0.83 (3.33)	8.07 (10.13)
In Germany	-0.08 (0.05)	-0.07 (0.05)	-0.47 (0.39)	0.03 (0.10)	-0.02 (0.10)	0.29 (0.78)	0.57 (0.95)	0.51 (0.95)	-2.01 (6.76)
Residential proximity of partner's kin (Ref: No kin in Germany)	-	-	-	-	-	-	-	-	-
In same household	0.06 (0.20)	0.03 (0.21)	-0.39 (0.59)	-0.03 (0.17)	0.02 (0.17)	1.20 (1.03)	1.74 (1.85)	1.83 (1.86)	29.78** (11.06)
In Germany	-0.00 (0.05)	0.00 (0.05)	-0.20 (0.49)	0.07 (0.10)	0.05 (0.10)	0.03 (0.74)	1.32 (0.91)	0.80 (0.91)	10.82 (7.97)
Own contact with premigration friends	0.18 (0.15)	0.22 (0.15)	-	-0.39 (0.27)	-0.20 (0.24)	-	-1.80 (2.29)	-2.15 (2.29)	-
Partner's contact with premigration friends	0.08 (0.15)	0.11 (0.15)	-	0.24 (0.26)	0.15 (0.26)	-	-0.95 (2.38)	-1.80 (2.40)	-
No. of own new coethnic contacts	-0.00 (0.00)	-0.00 (0.00)	-	-0.01 (0.01)	0.00 (0.01)	-	-0.05 (0.06)	-0.03 (0.06)	-
No. of partner's new coethnic contacts	0.00 (0.00)	0.00 (0.00)	-	0.00 (0.00)	0.00 (0.00)	-	-0.00 (0.03)	0.00 (0.03)	-
No. of own new German contacts	-0.00 (0.00)	-0.00 (0.00)	-	0.01 (0.01)	0.01 (0.01)	-	-0.03 (0.07)	-0.02 (0.07)	-
No. of partner's new German contacts	0.00 (0.00)	0.00 (0.00)	-	-0.00 (0.00)	-0.00 (0.00)	-	0.02 (0.03)	0.02 (0.03)	-
Own frequent contact with coethnics	-0.12** (0.05)	-0.12** (0.05)	-0.08 (0.06)	-0.13 (0.09)	-0.12 (0.09)	-0.11 (0.10)	0.72 (0.77)	0.31 (0.77)	0.91 (0.91)
Partners' frequent contact with coethnics	-0.05 (0.04)	-0.03 (0.04)	-0.07 (0.05)	0.12 (0.09)	0.09 (0.09)	0.04 (0.11)	1.78* (0.81)	1.75* (0.81)	0.41 (0.97)
Own frequent contact with Germans	0.09+ (0.05)	0.14** (0.05)	0.17** (0.06)	-0.20* (0.08)	-0.14+ (0.08)	-0.00 (0.10)	-3.05** (0.84)	-2.20** (0.84)	-1.10 (1.02)
Partners' frequent contacts with Germans	0.15** (0.05)	0.11* (0.05)	0.08 (0.06)	-0.03 (0.09)	-0.05 (0.09)	0.09 (0.10)	-1.53+ (0.81)	-2.41** (0.81)	-2.45* (0.98)
Constant	0.85** (0.07)	0.79* (0.34)	-2.44 (3.61)	4.24** (0.14)	2.35** (0.53)	3.28 (6.16)	83.87** (1.24)	81.15** (6.00)	128.36* (52.19)
Controls ¹⁾	No	Yes	Yes	No	Yes	Yes	No	Yes	Yes
Survey year dummies	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Individual fixed effects	No	No	Yes	No	No	Yes	No	No	Yes
Person-Year observations	2541	2541	2541	2541	2541	2541	2541	2541	2541
Person-observations	997	997	997	997	997	997	997	997	997
R ²	0.03	0.09	-	0.02	0.11	-	0.03	0.10	-
R ² within	-	-	0.06	-	-	0.04	-	-	0.07
R ² between	-	-	0.00	-	-	0.03	-	-	0.00
R ² overall	-	-	0.00	-	-	0.03	-	-	0.00

Data source: IAB-BAMF-SOEP Refugee Sample, 2016-2019.

Notes: + p<0.1, * p<0.05, ** p<0.01 (two-tailed test). 1–2, 4–5, and 7–8 were estimated as OLS with robust standard errors. Models 3, 6, and 9 are individual fixed effects models with robust standard errors. For all indicators, a higher value corresponds to more (absolute or relative) hours. 1) Further controls were omitted.

Table S5 Absolute and relative hours refugee couples spend doing housework; those with a high index on social desirability are excluded.

Outcome:	Husband's absolute hours			Wives' absolute hours			Wives' share in total hours		
	Model 1	Model 2	Model 3	Model 4	Model 5	Model 6	Model 7	Model 8	Model 9
	β (SE)	β (SE)	β (SE)	β (SE)	β (SE)	β (SE)	β (SE)	β (SE)	β (SE)
Residential proximity of own kin (Ref: No kin in Germany)	-	-	-	-	-	-	-	-	-
In same household	-0.11 (0.11)	-0.15 (0.10)	-1.17** (0.41)	-0.18 (0.29)	-0.13 (0.34)	1.79+ (1.03)	-0.45 (2.49)	-0.68 (2.96)	8.29 (9.37)
In Germany	-0.08 (0.05)	-0.09+ (0.05)	-0.55 (0.38)	0.02 (0.10)	0.01 (0.09)	0.22 (0.79)	0.45 (0.96)	0.53 (0.94)	-2.20 (6.77)
Residential proximity of partner's kin (Ref: No kin in Germany)	-	-	-	-	-	-	-	-	-
In same household	0.03 (0.16)	0.08 (0.17)	-0.40 (0.56)	0.05 (0.18)	0.13 (0.18)	1.28 (1.02)	2.33 (1.89)	3.45+ (1.87)	30.23** (11.12)
In Germany	-0.00 (0.05)	-0.00 (0.05)	-0.21 (0.50)	0.08 (0.10)	0.06 (0.10)	0.04 (0.73)	1.23 (0.92)	1.33 (0.91)	11.57 (8.11)
Own contact with premigration friends	0.16 (0.15)	0.22 (0.14)	-	-0.49* (0.25)	-0.23 (0.21)	-	-1.59 (2.32)	-1.01 (2.24)	-
Partner's contact with premigration friends	0.02 (0.14)	0.04 (0.15)	-	0.16 (0.27)	0.14 (0.25)	-	-0.91 (2.38)	-1.93 (2.39)	-
No. of own new coethnic contacts	-0.00 (0.00)	-0.00 (0.00)	-	-0.01 (0.01)	-0.00 (0.00)	-	-0.07 (0.05)	-0.04 (0.05)	-
No. of partner's new coethnic contacts	0.00 (0.00)	0.00 (0.00)	-	0.00 (0.00)	0.00 (0.00)	-	0.03 (0.02)	0.04 (0.03)	-
No. of own new German contacts	-0.00 (0.00)	-0.00 (0.00)	-	0.01 (0.01)	0.01 (0.01)	-	-0.08 (0.06)	-0.07 (0.06)	-
No. of partner's new German contacts	0.01+ (0.00)	0.01+ (0.00)	-	-0.01 (0.00)	-0.01+ (0.00)	-	0.01 (0.03)	0.00 (0.03)	-
Own frequent contact with coethnics	-0.11* (0.05)	-0.10* (0.05)	-0.06 (0.06)	-0.12 (0.09)	-0.09 (0.08)	-0.10 (0.09)	0.76 (0.78)	0.54 (0.77)	1.09 (0.92)
Partners' frequent contact with coethnics	-0.05 (0.04)	-0.03 (0.04)	-0.06 (0.05)	0.14 (0.09)	0.11 (0.09)	0.05 (0.10)	1.62* (0.80)	1.33 (0.81)	0.26 (0.96)
Own frequent contact with Germans	0.09+ (0.05)	0.13** (0.05)	0.17** (0.06)	-0.20* (0.08)	-0.11 (0.08)	-0.02 (0.10)	-2.83** (0.84)	-1.82* (0.83)	-1.22 (1.02)
Partners' frequent contacts with Germans	0.12* (0.05)	0.08+ (0.05)	0.08 (0.06)	0.02 (0.08)	-0.03 (0.08)	0.14 (0.10)	-1.26 (0.82)	-2.15** (0.82)	-1.93+ (1.00)
Constant	0.85** (0.07)	1.00** (0.32)	-3.05 (3.02)	4.15** (0.14)	1.90** (0.50)	3.44 (5.92)	83.24** (1.24)	76.47** (5.48)	125.11* (51.67)
Controls ¹⁾	No	Yes	Yes	No	Yes	Yes	No	Yes	Yes
Survey year dummies	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Individual fixed effects	No	No	Yes	No	No	Yes	No	No	Yes
Person-Year observations	2627	2627	2627	2627	2627	2627	2627	2627	2627
Person-observations	1018	1018	1018	1018	1018	1018	1018	1018	1018
R ²	0.04	0.08	-	0.02	0.12	-	0.03	0.09	-
R ² within	-	-	0.06	-	-	0.04	-	-	0.06
R ² between	-	-	0.00	-	-	0.03	-	-	0.00
R ² overall	-	-	0.00	-	-	0.04	-	-	0.00

Data source: IAB-BAMF-SOEP Refugee Sample, 2016–2019.

Notes: + p<0.1, * p<0.05, ** p<0.01 (two-tailed test). Models 1–2, 4–5, and 7–8 were estimated as OLS with robust standard errors. Models 3, 6, and 9 are individual fixed effects models with robust standard errors. For all indicators, a higher value corresponds to more (absolute or relative) hours. 1) Further controls were omitted.

Table S6 Absolute and relative hours refugee couples spend doing housework; those for whom the interviewer reported that the interview answers were unreal are excluded.

Outcome:	Husband's absolute hours			Wives' absolute hours			Wives' share in total hours		
	Model 1	Model 2	Model 3	Model 4	Model 5	Model 6	Model 7	Model 8	Model 9
	β (SE)	β (SE)	β (SE)	β (SE)	β (SE)	β (SE)	β (SE)	β (SE)	β (SE)
Residential proximity of own kin (Ref: No kin in Germany)	-	-	-	-	-	-	-	-	-
In same household	-0.14 (0.10)	-0.17+ (0.10)	-1.12** (0.41)	-0.18 (0.29)	-0.09 (0.33)	1.82+ (1.01)	-0.30 (2.49)	-0.12 (2.92)	7.83 (9.31)
In Germany	-0.09+ (0.05)	-0.10* (0.05)	-0.49 (0.38)	-0.02 (0.10)	-0.02 (0.09)	0.23 (0.78)	0.37 (0.94)	0.47 (0.93)	-2.53 (6.69)
Residential proximity of partner's kin (Ref: No kin in Germany)	-	-	-	-	-	-	-	-	-
In same household	0.03 (0.16)	0.07 (0.17)	-0.34 (0.56)	0.01 (0.17)	0.06 (0.17)	1.26 (1.02)	2.45 (1.83)	3.03+ (1.84)	30.05** (11.16)
In Germany	-0.00 (0.05)	-0.00 (0.05)	-0.16 (0.49)	0.08 (0.10)	0.05 (0.10)	0.04 (0.74)	1.40 (0.91)	1.47 (0.90)	11.22 (8.10)
Own contact with premigration friends	0.15 (0.14)	0.20 (0.14)	-	-0.43+ (0.24)	-0.27 (0.21)	-	-1.34 (2.27)	-1.06 (2.18)	-
Partner's contact with premigration friends	0.02 (0.14)	0.04 (0.14)	-	0.19 (0.26)	0.09 (0.24)	-	-0.46 (2.25)	-1.75 (2.25)	-
No. of own new coethnic contacts	-0.00 (0.00)	-0.00 (0.00)	-	-0.01 (0.01)	0.00 (0.00)	-	-0.04 (0.05)	-0.02 (0.05)	-
No. of partner's new coethnic contacts	0.00 (0.00)	0.00 (0.00)	-	0.00 (0.00)	0.00 (0.00)	-	0.01 (0.03)	0.02 (0.03)	-
No. of own new German contacts	-0.00 (0.00)	-0.00 (0.00)	-	0.01 (0.01)	0.01 (0.01)	-	-0.08 (0.06)	-0.09 (0.06)	-
No. of partner's new German contacts	0.01+ (0.00)	0.01* (0.00)	-	-0.00 (0.00)	-0.01 (0.00)	-	0.02 (0.03)	0.01 (0.03)	-
Own frequent contact with coethnics	-0.12** (0.04)	-0.11* (0.05)	-0.08 (0.06)	-0.12 (0.09)	-0.11 (0.08)	-0.11 (0.09)	0.75 (0.77)	0.48 (0.76)	1.00 (0.91)
Partners' frequent contact with coethnics	-0.05 (0.04)	-0.03 (0.04)	-0.05 (0.05)	0.13 (0.09)	0.10 (0.09)	0.06 (0.10)	1.60* (0.79)	1.38+ (0.80)	0.32 (0.95)
Own frequent contact with Germans	0.08+ (0.05)	0.12** (0.05)	0.16** (0.06)	-0.19* (0.08)	-0.12 (0.08)	-0.02 (0.10)	-2.94** (0.84)	-2.12* (0.83)	-1.24 (1.01)
Partners' frequent contacts with Germans	0.13** (0.05)	0.10* (0.05)	0.09 (0.06)	-0.02 (0.08)	-0.05 (0.08)	0.10 (0.10)	-1.21 (0.81)	-2.04* (0.81)	-1.94+ (0.99)
Constant	0.87** (0.07)	1.05** (0.32)	-2.47 (2.97)	4.17** (0.13)	2.04** (0.49)	3.20 (5.95)	83.12** (1.22)	76.22** (5.46)	127.83* (51.39)
Controls ¹⁾	No	Yes	Yes	No	Yes	Yes	No	Yes	Yes
Survey year dummies	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Individual fixed effects	No	No	Yes	No	No	Yes	No	No	Yes
Person-Year observations	2679	2679	2679	2679	2679	2679	2679	2679	2679
Person-observations	1040	1040	1040	1040	1040	1040	1040	1040	1040
R ²	0.03	0.08	-	0.02	0.11	-	0.02	0.09	-
R ² within	-	-	0.06	-	-	0.04	-	-	0.06
R ² between	-	-	0.00	-	-	0.03	-	-	0.00
R ² overall	-	-	0.00	-	-	0.04	-	-	0.00

Data source: IAB-BAMF-SOEP Refugee Sample, 2016–2019.

Notes: + p<0.1, * p<0.05, ** p<0.01 (two-tailed test). Models 1–2, 4–5, and 7–8 were estimated as OLS with robust standard errors. Models 3, 6, and 9 are individual fixed effects models with robust standard errors. For all indicators, a higher value corresponds to more (absolute or relative) hours. 1) Further controls were omitted.

Table S7 Absolute and relative hours refugee couples spend doing housework; gender of kin.

Outcome:	Husband's absolute hours			Wives' absolute hours			Wives' share in total hours		
	Model 1	Model 2	Model 3	Model 4	Model 5	Model 6	Model 7	Model 8	Model 9
	β (SE)	β (SE)	β (SE)	β (SE)	β (SE)	β (SE)	β (SE)	β (SE)	β (SE)
Residential proximity of female kin (Ref: No kin in Germany)	-	-	-	-	-	-	-	-	-
In same household	-0.14 (0.14)	-0.15 (0.13)	0.42 (0.27)	-0.09 (0.25)	-0.01 (0.26)	0.87 (1.03)	2.13 (2.86)	2.93 (2.91)	-7.89 (5.67)
In Germany	0.04 (0.08)	0.03 (0.08)	0.31 (0.27)	0.18 (0.16)	0.19 (0.14)	0.59 (0.73)	-0.19 (1.38)	-0.07 (1.29)	-7.10 (4.54)
Residential proximity of male kin (Ref: No kin in Germany)	-	-	-	-	-	-	-	-	-
In same household	-0.00 (0.18)	0.03 (0.17)	-1.39** (0.33)	0.16 (0.28)	0.14 (0.29)	0.84 (0.79)	0.84 (3.38)	0.32 (3.52)	26.28** (7.02)
In Germany	-0.10 (0.08)	-0.11 (0.08)	-0.76* (0.30)	-0.26 (0.18)	-0.21 (0.16)	-0.36 (0.64)	0.69 (1.50)	1.14 (1.38)	10.95* (4.51)
Own contact with premigration friends	0.16 (0.13)	0.21 (0.13)	-	-0.45+ (0.25)	-0.27 (0.21)	-	-1.39 (2.24)	-1.02 (2.16)	-
Partner's contact with premigration friends	0.02 (0.14)	0.04 (0.14)	-	0.17 (0.25)	0.08 (0.24)	-	-0.72 (2.19)	-1.94 (2.19)	-
No. of own new coethnic contacts	-0.00 (0.00)	-0.00 (0.00)	-	-0.01 (0.01)	0.00 (0.00)	-	-0.03 (0.05)	-0.01 (0.05)	-
No. of partner's new coethnic contacts	0.00 (0.00)	0.00 (0.00)	-	0.00 (0.00)	0.00 (0.00)	-	0.01 (0.03)	0.02 (0.03)	-
No. of own new German contacts	-0.00 (0.00)	-0.00 (0.00)	-	0.01 (0.01)	0.01 (0.01)	-	-0.09 (0.06)	-0.09 (0.06)	-
No. of partner's new German contacts	0.01+ (0.00)	0.01* (0.00)	-	-0.00 (0.00)	-0.00 (0.00)	-	0.02 (0.03)	0.02 (0.03)	-
Own frequent contact with coethnics	-0.12** (0.04)	-0.11* (0.04)	-0.07 (0.06)	-0.12 (0.09)	-0.10 (0.08)	-0.11 (0.09)	0.80 (0.77)	0.59 (0.76)	0.82 (0.90)
Partners' frequent contact with coethnics	-0.05 (0.04)	-0.03 (0.04)	-0.04 (0.05)	0.13 (0.09)	0.10 (0.09)	0.06 (0.10)	1.69* (0.78)	1.44+ (0.80)	0.20 (0.95)
Own frequent contact with Germans	0.08+ (0.05)	0.13** (0.05)	0.16** (0.06)	-0.20* (0.08)	-0.13 (0.08)	-0.02 (0.10)	-3.02** (0.84)	-2.20** (0.83)	-1.24 (0.99)
Partners' frequent contacts with Germans	0.14** (0.05)	0.10* (0.05)	0.09 (0.06)	-0.01 (0.08)	-0.04 (0.08)	0.11 (0.10)	-1.29 (0.81)	-2.12** (0.80)	-1.96* (0.98)
Constant	0.85** (0.07)	1.05** (0.32)	-3.47 (3.47)	4.20** (0.13)	2.01** (0.49)	3.42 (6.10)	83.60** (1.18)	76.07** (5.45)	118.18* (49.62)
Controls ¹⁾	No	Yes	Yes	No	Yes	Yes	No	Yes	Yes
Survey year dummies	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Individual fixed effects	No	No	Yes	No	No	Yes	No	No	Yes
Person-Year observations	2699	2699	2699	2699	2699	2699	2699	2699	2699
Person-observations	1045	1045	1045	1045	1045	1045	1045	1045	1045
R ²	0.03	0.08	-	0.02	0.11	-	0.02	0.09	-
R ² within	-	-	0.06	-	-	0.04	-	-	0.06
R ² between	-	-	0.00	-	-	0.04	-	-	0.00
R ² overall	-	-	0.00	-	-	0.05	-	-	0.00

Data source: IAB-BAMF-SOEP Refugee Sample, 2016–2019.

Notes: + p<0.1, * p<0.05, ** p<0.01 (two-tailed test). Models 1–2, 4–5, and 7–8 were estimated as OLS with robust standard errors. Models 3, 6, and 9 are individual fixed effects models with robust standard errors. For all indicators, a higher value corresponds to more (absolute or relative) hours. 1) Further controls were omitted.