

ON-LINE SUPPLEMENTARY MATERIAL

Additional tables for the paper Szalma, I. and Djundeva, M. (2019).
What shapes public attitudes towards assisted reproduction
technologies in Europe?

Table S1: Descriptive statistics of continuous individual-level explanatory variables by country

Country	Age		Number of children		Household income ^a	
	Mean	Standard deviation	Mean	Standard deviation	Mean	Standard deviation
Albania	41.0	14.1	1.6	1.2	0.7	1.0
Azerbaijan	34.1	12.6	1.0	1.1	0.6	0.6
Austria	46.7	17.4	1.3	1.2	1.7	1.0
Armenia	44.0	17.5	1.7	1.2	0.3	0.3
Belgium	48.4	17.0	1.5	1.1	2.0	1.2
Bosnia Herzegovina	42.3	16.1	1.3	1.1	0.6	0.4
Bulgaria	50.4	16.8	1.5	0.9	0.6	0.6
Belarus	42.7	16.7	1.2	1.0	0.8	0.8
Croatia	45.6	18.4	1.3	1.1	1.1	1.1
Cyprus	50.9	17.8	1.8	1.2	1.7	1.2
Czech Republic	49.4	17.6	1.5	1.0	1.2	1.0
Denmark	48.3	15.9	1.6	1.1	2.1	1.1
Estonia	51.4	18.2	1.4	1.0	0.9	1.0
Finland	47.5	14.8	1.4	1.1	2.7	1.7
France	49.2	17.9	1.6	1.1	1.8	1.2
Georgia	45.9	17.0	1.5	1.0	0.3	0.4
Germany	49.9	16.3	1.4	1.1	1.6	1.0
Greece	49.6	18.5	1.4	1.1	1.4	1.1
Hungary	45.1	17.5	1.4	1.1	0.7	0.4
Iceland	44.3	16.2	1.8	1.2	2.1	1.5
Ireland	46.0	17.2	1.7	1.3	2.0	1.5
Italy	47.5	17.5	1.3	1.1	1.7	1.3
Latvia	47.6	18.1	1.4	1.0	0.8	0.6
Lithuania	46.5	17.0	1.4	1.0	0.9	0.5
Luxembourg	41.5	16.8	1.2	1.1	3.1	1.7
Malta	52.4	17.0	1.6	1.1	1.6	1.6
Moldova	44.3	16.7	1.6	1.1	0.2	0.2
Montenegro	43.9	16.5	1.5	1.3	0.8	0.6
Netherlands	54.4	16.9	1.7	1.1	2.3	1.6
Norway	46.1	15.8	1.7	1.1	2.4	1.2
Poland	45.0	16.9	1.4	1.1	1.3	1.7
Portugal	52.3	18.2	1.5	1.0	1.9	2.3
Romania	48.2	16.9	1.6	1.0	0.7	1.2
Russian Federation	45.5	17.2	1.3	0.9	0.5	0.5
Serbia	46.4	16.9	1.4	1.0	0.7	0.5
Slovak Republic	54.5	16.1	1.9	1.0	0.9	0.6
Slovenia	48.9	17.6	1.5	1.0	1.7	1.3
Spain	47.2	18.7	1.3	1.2	1.8	1.8
Sweden	49.7	14.9	1.7	1.1	2.2	1.3
Switzerland	49.3	17.5	1.4	1.1	0.5	0.4
Turkey	40.7	15.3	1.7	1.2	0.5	0.4
Ukraine	47.1	17.2	1.5	0.9	1.1	1.1
Macedonia	43.7	15.6	1.3	1.1	1.9	1.6
Great Britain	50.4	18.2	1.6	1.1	1.8	1.6

Source: authors' calculation using European Values Study wave 4 (2008–2010).

Note: ^a Monthly household income in PPP and thousand USD.

Table S2: Distribution of the level of education (ISCED) by country

(%)

Country	0	1	2	3	4	5 and 6
Albania	1.3	7.3	25.4	45.9	0.0	20.2
Azerbaijan	0.8	2.7	2.1	33.0	8.9	52.7
Austria	0.0	2.0	15.7	60.4	11.5	10.4
Armenia	0.3	2.3	10.7	34.3	22.8	29.5
Belgium	2.3	9.4	20.9	34.9	0.0	32.6
Bosnia Herzegovina	5.6	4.5	14.1	63.3	0.0	12.4
Bulgaria	0.0	5.4	21.2	49.5	6.0	18.1
Belarus	0.0	2.6	6.0	33.6	28.8	29.0
Croatia	2.2	8.4	13.5	57.5	0.0	18.4
Cyprus	10.3	19.1	6.6	47.8	0.0	16.3
Czech Republic	0.4	1.3	10.5	73.5	3.2	11.2
Denmark	0.0	0.0	21.3	39.2	0.0	39.5
Estonia	0.0	3.6	43.7	21.2	8.3	23.2
Finland	0.0	6.0	4.1	26.2	5.6	58.1
France	6.2	10.2	6.9	45.2	0.0	31.6
Georgia	0.2	0.9	4.1	29.1	21.9	43.9
Germany	0.0	1.8	11.4	60.7	3.3	22.9
Greece	7.3	25.5	10.0	40.1	0.0	17.1
Hungary	0.2	3.8	19.9	54.6	6.3	15.2
Iceland	1.0	3.9	17.4	23.6	17.3	36.8
Ireland	1.7	16.1	23.5	26.7	9.5	22.6
Italy	2.8	10.1	20.2	44.7	3.0	19.2
Latvia	0.0	1.8	17.4	35.7	19.9	25.4
Lithuania	1.4	3.4	14.7	34.2	6.6	39.7
Luxembourg	1.1	19.5	14.5	34.5	2.7	27.7
Malta	1.4	26.4	41.5	9.6	0.0	21.1
Moldova	1.1	6.6	11.2	43.1	15.3	22.8
Montenegro	1.9	5.0	12.6	58.7	0.0	21.9
Netherlands	0.8	8.8	30.7	17.0	8.3	34.6
Norway	0.2	1.6	24.6	23.9	7.6	42.1
Poland	1.4	9.6	3.8	58.6	8.5	18.2
Portugal	12.7	46.0	17.6	15.6	0.0	8.2
Romania	3.8	11.2	15.2	50.4	8.1	11.2
Russian Federation	1.0	2.0	12.0	53.0	0.0	32.0
Serbia	3.1	6.2	16.6	53.2	0.0	20.9
Slovak Republic	0.0	1.3	20.0	66.8	1.8	10.1
Slovenia	3.3	17.9	22.6	34.6	0.0	21.6
Spain	18.8	16.0	13.7	18.7	15.2	17.7
Sweden	0.7	3.8	14.5	25.7	19.9	35.4
Switzerland	0.6	7.3	7.9	56.2	2.1	25.9
Turkey	17.1	44.6	10.3	17.9	0.7	9.4
Ukraine	0.8	1.5	7.4	44.2	0.0	46.2
Macedonia	1.4	3.9	14.1	55.7	0.0	24.9
Great Britain	0.8	5.0	46.4	17.3	1.4	29.1
Total	2.7	8.9	15.8	41.2	6.0	25.4

Source: authors' calculation using European Values Study wave 4 (2008–2010).

Notes: ISCED level 0 – pre-primary education; level 1 – primary education or first stage of basic education; level 2 – lower secondary or second stage of basic education; level 3 – (upper) secondary education; level 4 – post-secondary non-tertiary education; level 5 – first stage of tertiary education; level 6 – second stage of tertiary education.

Table S3: Distribution of denomination by country

(%)

Country	Roman Catholic	Protestant	Muslim	Orthodox Christian	Other	Non-religious
Albania	6.0	0.0	55.2	6.9	0.2	31.7
Azerbaijan	0.2	0.0	85.1	3.9	1.2	9.6
Austria	73.1	5.9	1.5	1.2	1.5	16.9
Armenia	0.0	0.1	0.0	92.5	2.6	4.9
Belgium	51.2	1.3	3.3	0.5	1.3	42.5
Bosnia Herzegovina	8.5	0.1	36.2	30.6	0.4	24.3
Bulgaria	0.3	0.2	11.1	62.7	0.7	25.0
Belarus	8.6	0.8	0.3	63.4	0.2	26.8
Croatia	80.2	0.2	0.2	0.0	2.9	16.5
Cyprus	1.7	0.0	0.3	97.6	0.1	0.3
Czech Republic	26.6	2.2	0.0	0.3	1.8	69.2
Denmark	0.1	86.7	0.2	0.0	0.8	12.1
Estonia	1.5	13.4	0.0	17.7	1.9	65.5
Finland	0.1	72.6	0.1	0.6	0.9	25.7
France	25.4	0.7	1.5	43.2	1.0	28.3
Georgia	5.2	0.0	36.2	12.1	13.8	32.8
Germany	13.7	16.5	0.6	42.8	0.3	26.2
Greece	11.5	0.0	23.0	1.6	4.9	59.0
Hungary	40.0	13.3	0.0	0.0	1.1	45.6
Iceland	2.0	88.6	0.0	0.0	0.8	8.6
Ireland	83.1	3.4	0.0	0.0	1.4	12.0
Italy	79.9	0.0	0.0	0.0	0.6	19.5
Latvia	20.8	25.0	0.0	22.7	0.7	30.8
Lithuania	79.5	0.3	0.0	4.4	0.6	15.1
Luxembourg	63.4	3.0	2.7	0.7	1.7	28.4
Malta	95.9	0.7	0.2	0.0	0.5	2.7
Moldova	0.3	0.3	0.0	88.6	3.6	7.2
Montenegro	3.1	0.1	13.0	39.4	1.8	42.7
Netherlands	26.0	21.0	0.4	0.0	2.7	49.9
Norway	2.3	72.9	1.1	0.6	2.3	20.9
Poland	92.2	0.3	0.0	0.2	0.8	6.5
Portugal	82.1	1.4	0.0	0.0	2.6	13.9
Romania	4.9	3.4	0.1	86.6	3.5	1.6
Russian Federation	0.4	0.2	4.9	56.6	0.4	37.4
Serbia	5.5	1.2	1.6	59.1	0.0	32.6
Slovak Republic	68.8	7.9	0.0	0.7	0.4	22.2
Slovenia	63.9	0.4	1.3	2.5	0.9	31.0
Spain	56.0	0.1	1.4	1.2	17.8	23.5
Sweden	1.0	63.3	0.3	0.7	0.3	34.4
Switzerland	30.6	32.0	3.3	2.0	4.6	27.5
Turkey	0.0	0.0	98.4	0.0	0.2	1.5
Ukraine	8.8	2.0	0.9	50.1	14.0	24.2
Macedonia	0.5	0.0	17.4	74.5	0.3	7.2
Great Britain	10.7	38.5	1.8	0.0	5.3	43.7
Total	26.1	12.0	10.1	24.4	1.9	25.4

Source: authors' calculation using European Values Study wave 4 (2008–2010).

Table S4: Frequency of attending religious services by country

(%)

Country	Weekly or more often	Once a month	For holy days	Rarely	Never
Albania	9.0	6.0	29.7	14.4	41.0
Azerbaijan	10.7	6.2	55.1	12.9	15.1
Austria	15.1	12.9	25.2	15.9	31.0
Armenia	14.3	25.3	31.5	20.3	8.6
Belgium	10.0	7.7	14.3	15.6	52.4
Bosnia Herzegovina	31.0	14.1	21.5	20.8	12.5
Bulgaria	5.5	10.1	48.3	13.7	22.4
Belarus	7.3	13.0	36.5	20.9	22.3
Croatia	25.4	17.0	22.5	19.1	16.1
Cyprus	31.5	24.5	33.5	6.0	4.4
Czech Republic	8.3	4.8	9.6	20.8	56.5
Denmark	2.1	5.6	30.8	27.5	34.0
Estonia	4.6	6.4	21.2	26.5	41.3
Finland	3.9	5.5	16.0	38.7	35.9
France	6.3	6.2	14.1	13.3	60.1
Georgia	22.2	19.2	35.1	14.2	9.3
Germany	6.3	9.2	17.4	19.2	48.0
Greece	22.7	22.1	41.9	7.2	6.1
Hungary	8.9	6.5	22.6	19.4	42.5
Iceland	3.1	7.5	25.9	25.9	37.6
Ireland	41.8	14.0	12.0	16.9	15.2
Italy	32.6	15.7	27.5	8.4	15.9
Latvia	6.6	10.6	28.4	28.0	26.5
Lithuania	11.7	14.6	43.2	17.5	12.9
Luxembourg	11.3	9.2	22.5	15.6	41.5
Malta	81.7	4.6	2.7	3.7	7.3
Moldova	13.9	15.7	48.8	14.3	7.3
Montenegro	5.4	7.6	29.1	36.4	21.6
Netherlands	16.2	9.3	13.1	13.9	47.5
Norway	5.3	6.3	23.6	24.1	40.8
Poland	52.8	18.6	18.2	5.3	5.1
Portugal	28.2	15.3	18.7	17.6	20.2
Romania	29.4	19.4	37.4	9.9	3.9
Russian Federation	6.6	9.6	28.2	20.2	35.4
Serbia	7.0	13.5	33.9	25.8	19.9
Slovak Republic	38.6	9.4	13.8	13.9	24.4
Slovenia	16.5	8.3	25.1	13.7	36.4
Spain	16.0	7.4	15.3	12.6	48.7
Sweden	4.3	3.0	7.7	31.1	53.9
Switzerland	9.7	9.4	14.5	27.1	39.4
Turkey	34.9	3.5	29.4	5.6	26.7
Ukraine	12.4	13.4	40.9	14.0	19.2
Macedonia	12.9	12.9	47.3	18.2	8.7
Great Britain	12.4	5.9	7.7	17.7	56.4
Total	16.0	10.9	26.5	17.7	28.8

Source: authors' calculation using European Values Study wave 4 (2008–2010).

Table S5: Distribution of marital status by country

(%)

Country	Married	Registered partnership	Widowed	Divorced, separated	Never married
Albania	71.7	0.9	3.3	1.4	22.8
Azerbaijan	47.6	0.0	5.7	4.6	42.1
Austria	47.4	0.0	9.1	12.0	31.5
Armenia	61.5	2.3	11.1	3.9	21.3
Belgium	56.0	6.7	6.5	9.9	20.9
Bosnia Herzegovina	58.9	0.0	8.0	4.0	29.2
Bulgaria	60.1	0.0	15.5	8.1	16.3
Belarus	49.8	0.0	12.2	11.7	26.4
Croatia	51.7	1.8	13.2	3.9	29.3
Cyprus	67.9	1.6	10.7	4.3	15.6
Czech Republic	48.3	0.2	14.7	14.6	22.3
Denmark	58.0	0.8	4.2	10.2	26.8
Estonia	38.0	0.2	19.9	15.6	26.4
Finland	55.3	2.3	3.7	12.4	26.3
France	46.6	2.0	9.4	14.0	28.1
Georgia	66.5	0.0	11.7	4.6	17.2
Germany	50.0	2.0	10.3	14.7	23.1
Greece	59.8	1.6	11.7	4.6	22.3
Hungary	50.6	4.1	8.9	10.2	26.3
Iceland	47.2	18.2	2.1	12.1	20.4
Ireland	45.3	2.9	10.9	10.3	30.7
Italy	57.7	0.0	5.9	5.7	30.7
Latvia	42.3	12.4	14.9	14.2	16.3
Lithuania	53.4	0.8	12.3	13.6	19.8
Luxembourg	49.9	1.6	4.5	9.5	34.5
Malta	61.9	0.4	11.2	5.1	21.5
Moldova	65.6	3.5	10.1	5.9	14.9
Montenegro	54.6	0.0	9.6	4.9	30.9
Netherlands	58.5	6.3	10.9	8.5	15.8
Norway	56.5	1.0	3.0	10.3	29.2
Poland	58.0	0.0	12.0	4.7	25.3
Portugal	59.7	0.0	15.0	8.6	16.7
Romania	67.2	0.0	13.0	4.4	15.4
Russian Federation	51.2	0.0	16.8	13.8	18.2
Serbia	57.7	0.0	11.5	7.0	23.8
Slovak Republic	58.4	1.4	20.3	7.7	12.1
Slovenia	52.0	11.1	10.2	5.5	21.2
Spain	44.9	6.6	8.9	9.7	29.9
Sweden	59.6	4.5	2.7	12.2	21.0
Switzerland	50.6	0.3	8.5	15.5	25.0
Turkey	72.7	0.0	6.0	2.6	18.7
Ukraine	59.1	0.0	13.9	13.0	14.0
Macedonia	60.9	0.4	6.9	3.0	28.8
Great Britain	46.3	1.2	11.5	16.7	24.4
Total	55.4	2.1	10.1	8.8	23.6

Source: authors' calculation using European Values Study wave 4 (2008–2010).

Table S6: Distribution of gender by country

(%)

Country	Male	Female
Albania	51.6	48.4
Azerbaijan	50.6	49.4
Austria	43.0	57.0
Armenia	42.7	57.3
Belgium	49.1	50.9
Bosnia Herzegovina	45.3	54.7
Bulgaria	42.6	57.4
Belarus	41.1	58.9
Croatia	42.5	57.5
Cyprus	48.5	51.5
Czech Republic	45.9	54.1
Denmark	53.0	47.0
Estonia	34.2	65.8
Finland	50.2	49.8
France	46.7	53.3
Georgia	37.1	62.9
Germany	47.7	52.3
Greece	44.0	56.0
Hungary	47.3	52.7
Iceland	50.7	49.4
Ireland	40.1	59.9
Italy	51.0	49.0
Latvia	36.3	63.7
Lithuania	45.1	54.9
Luxembourg	50.1	49.9
Malta	40.4	59.6
Moldova	46.0	54.0
Montenegro	42.9	57.1
Netherlands	46.9	53.1
Norway	52.2	47.8
Poland	43.9	56.1
Portugal	38.3	61.7
Romania	44.5	55.5
Russian Federation	32.2	67.8
Serbia	46.7	53.3
Slovak Republic	38.9	61.1
Slovenia	46.2	53.8
Spain	44.0	56.0
Sweden	48.4	51.6
Switzerland	47.5	52.5
Turkey	43.8	56.2
Ukraine	39.3	60.7
Macedonia	57.2	42.8
Great Britain	42.8	57.2
Total	45.0	55.0

Source: authors' calculation using European Values Study wave 4 (2008–2010).

Table S7: Descriptive statistics of attitudes towards homosexuality and new family forms by country

Country	Disapprove of homosexuals as neighbors, %		Homosexuals adopting children ^a		Women as single parents ^b		Approve of cohabitation ^c	
	No	Yes	Mean	Standard deviation	Mean	Standard deviation	Mean	Standard deviation
Albania	44.9	55.2	2.1	1.2	2.5	0.7	3.4	1.2
Azerbaijan	7.1	92.9	1.9	0.9	2.8	0.5	1.9	0.9
Austria	77.4	22.6	2.6	1.3	2.1	0.7	4.3	0.9
Armenia	55.5	44.5	1.9	1.1	2.6	0.6	3.0	1.2
Belgium	93.4	6.6	3.0	1.5	2.2	0.6	4.5	0.9
Bosnia Herzegovina	39.6	60.4	2.0	1.0	2.3	0.6	3.2	1.2
Bulgaria	44.3	55.7	2.3	1.1	2.2	0.7	3.6	1.1
Belarus	34.6	65.4	2.1	1.2	2.1	0.7	3.6	1.2
Croatia	47.4	52.6	1.9	1.0	2.2	0.5	3.4	1.1
Cyprus	58.1	41.9	1.7	1.1	2.5	0.7	3.2	1.3
Czech Republic	77.9	22.1	2.8	1.2	2.1	0.7	3.5	1.0
Denmark	95.7	4.4	3.1	1.4	2.2	0.5	4.7	0.6
Estonia	51.5	48.5	2.1	1.1	2.2	0.7	3.9	1.0
Finland	87.9	12.1	2.9	1.4	1.8	0.7	4.3	1.0
France	95.0	5.0	2.7	1.5	2.3	0.6	4.5	0.8
Georgia	9.1	90.9	1.5	0.8	2.4	0.7	2.8	1.1
Germany	82.3	17.7	2.7	1.4	2.2	0.7	4.1	0.9
Greece	67.2	32.8	1.7	0.9	2.4	0.6	3.8	1.1
Hungary	68.7	31.3	2.2	1.2	2.4	0.5	4.0	1.0
Iceland	98.5	1.5	3.9	0.9	2.1	0.3	4.4	0.7
Ireland	77.9	22.1	2.7	1.3	2.1	0.8	4.0	1.0
Italy	79.6	20.4	2.1	1.1	2.4	0.7	3.5	1.1
Latvia	54.5	45.5	2.0	1.0	2.2	0.6	3.8	0.9
Lithuania	31.8	68.2	1.9	0.9	1.9	0.6	3.5	0.9
Luxembourg	81.7	18.3	2.9	1.5	2.2	0.6	4.6	0.9
Malta	77.1	22.9	1.9	0.8	2.6	0.6	2.9	1.2
Moldova	18.6	81.4	2.0	1.2	2.3	0.6	3.2	1.3
Montenegro	33.5	66.5	1.9	1.0	2.4	0.6	3.6	1.2
Netherlands	89.7	10.3	3.4	1.2	2.3	0.6	4.1	0.9
Norway	94.2	5.8	2.9	1.6	2.0	0.8	4.5	1.0
Poland	46.5	53.5	1.8	1.0	2.2	0.7	3.6	1.1
Portugal	72.8	27.2	2.2	1.1	2.3	0.7	4.0	0.9
Romania	40.2	59.8	2.1	1.2	2.2	0.6	3.6	1.0
Russian Federation	36.2	63.8	2.2	1.2	2.2	0.6	3.6	1.1
Serbia	44.6	55.4	1.7	1.0	2.2	0.5	3.6	1.0
Slovak Republic	67.8	32.2	1.7	1.0	1.9	0.9	2.8	1.2
Slovenia	65.6	34.4	2.3	1.1	2.2	0.6	3.8	0.9
Spain	94.4	5.7	3.2	1.5	2.1	0.4	4.3	1.0
Sweden	94.2	5.8	3.2	1.5	2.5	0.5	4.7	0.8
Switzerland	92.4	7.6	2.5	1.3	2.3	0.7	4.3	0.9
Turkey	7.8	92.3	2.5	1.4	2.9	0.4	2.7	1.4
Ukraine	40.4	59.6	1.9	1.2	2.2	0.7	3.2	1.3
Macedonia	40.0	60.0	2.0	1.2	2.2	0.7	3.4	1.1
Great Britain	90.4	9.6	2.9	1.2	2.3	0.7	4.0	0.9
Total	59.6	40.4	2.3	1.2	2.3	0.6	3.7	1.0

Source: authors' calculation using European Values Study wave 4 (2008–2010).

Notes: ^a 1=never (disagree strongly), 5=always (agree strongly); ^b 1=disapprove, 2=it depends, 3=approve; ^c 1=never (disagree strongly), 5=always (agree strongly).

Table S8: Pearson's row correlation of acceptance of assisted reproductive technologies (ART) and continuous individual-level explanatory variables

	ART	Age	House- hold income	Number of children	Homo- sexuals adopting children	Approve of cohabi- tation
Age	-0.076	-	-	-	-	-
Household income	0.195	-0.074	-	-	-	-
Number of children	-0.048	0.480	-0.011	-	-	-
Homosexuals adopting children	0.161	-0.134	0.188	-0.096	-	-
Approve of cohabitation	0.291	-0.147	0.272	-0.132	0.347	-
Women as single parents	-0.172	0.040	-0.098	0.057	-0.148	-0.281

Source: authors' calculation using European Values Study wave 4 (2008–2010).