

Supplementary material

Supplement to: Milewski, N., and Passet-Wittig, J. (2026). Reproductive disruptions in fertility research: Conceptual re-integration and evidence from Germany (2008-2019). Vienna Yearbook of Population Research, 24. <https://doi.org/10.1553/p-3fdh-k3g2>

Table S.1 Distribution of explanatory variables by reproductive pattern (n/ %)

	ARE, no birth		ARE/ birth		No ARE/ no birth		No ARE/ birth		Total
	lb	ub	lb	ub	lb	ub	lb	ub	
Age group									
15-27 years	48 (11.3%)	124 (20.5%)	31 (12.0%)	35 (11.3%)	362 (42.9%)	286 (43.3%)	38 (11.2%)	34 (11.9%)	479 (25.7%)
25-38 years	79 (18.7%)	115 (19.0%)	150 (58.1%)	189 (61.0%)	152 (18.0%)	116 (17.5%)	240 (71.0%)	201 (70.3%)	621 (33.4%)
35-48 years	296 (70.0%)	366 (60.5%)	77 (29.8%)	86 (27.7%)	329 (39.0%)	259 (39.2%)	60 (17.8%)	51 (17.8%)	762 (40.9%)
Parity (t0)									
No child	155 (36.6%)	277 (45.8%)	144 (55.8%)	176 (56.8%)	504 (59.8%)	382 (57.8%)	209 (61.8%)	177 (61.9%)	1012 (54.4%)
1 child	86 (20.3%)	113 (18.7%)	68 (26.4%)	78 (25.2%)	126 (14.9%)	99 (15.0%)	92 (27.2%)	82 (28.7%)	372 (20.0%)
2+ children	182 (43.0%)	215 (35.5%)	46 (17.8%)	56 (18.1%)	213 (25.3%)	180 (27.2%)	37 (10.9%)	27 (9.4%)	478 (25.7%)
Level of education (t0)									
<=lower secondary	77 (18.2%)	125 (20.7%)	34 (13.2%)	41 (13.2%)	139 (16.5%)	91 (13.8%)	29 (8.6%)	22 (7.7%)	279 (15.0%)
Higher secondary +	346 (81.8%)	480 (79.3%)	224 (86.8%)	269 (86.8%)	704 (83.5%)	570 (86.2%)	309 (91.4%)	264 (92.3%)	1583 (85.0%)
Migrant generation									
Non-migrant	312 (73.8%)	448 (74.0%)	195 (75.6%)	234 (75.5%)	687 (81.5%)	551 (83.4%)	276 (81.7%)	237 (82.9%)	1470 (78.9%)
1st generation	54 (12.8%)	76 (12.6%)	33 (12.8%)	40 (12.9%)	50 (5.9%)	28 (4.2%)	28 (8.3%)	21 (7.3%)	165 (8.9%)
2nd generation	46 (10.9%)	68 (11.2%)	22 (8.5%)	27 (8.7%)	83 (9.8%)	61 (9.2%)	26 (7.7%)	21 (7.3%)	177 (9.5%)
Missing value	11 (2.6%)	13 (2.1%)	8 (3.1%)	9 (2.9%)	23 (2.7%)	21 (3.2%)	8 (2.4%)	7 (2.4%)	50 (2.7%)
<i>N</i>	423 (22.7%)	605 (32.5%)	258 (13.9%)	310 (16.6%)	843 (45.3%)	661 (35.5%)	338 (18.2%)	286 (15.4%)	1862 (100.0%)

Notes: Calculations based on: pairfam waves 1-12 (2009-2020). *N* = 1862 women. lb=lower bound, ub=upper bound.

Table S.2 Results from multinomial regression of patterns of reproductive experiences, average marginal effects**Panel a) Model 1 (M1)**

	M1, lower bound								M1, upper bound							
	1		2		3		4		1		2		3		4	
Age group (ref. 25-38 years)																
15-27 years	-0.04	*	-0.18	**	0.52	**	-0.30	**	0.03		-0.24	**	0.45	**	-0.24	**
35-48 years	0.25	**	-0.12	**	0.14	**	-0.27	**	0.30	**	-0.17	**	0.09	**	-0.22	**
Parity (t0, ref. 1 child)																
No child	0.04		0.00		-0.03		-0.01		0.08	**	0.01		-0.07	*	-0.02	**
2+ children	0.07	**	-0.05	*	0.08	**	-0.11	**	0.07	*	-0.04		0.09	**	-0.11	

Panel b) Model 2 (M2)

	M2, lower bound								M2, upper bound							
	1		2		3		4		1		2		3		4	
Age group (ref. 25-38 years)																
15-27 years	-0.07	**	-0.19	**	0.55	**	-0.29	**	-0.01		-0.25	**	0.49	**	-0.23	**
35-48 years	0.27	**	-0.12	**	0.13	**	-0.27	**	0.32	**	-0.18	**	0.07	**	-0.22	**
Parity (t0, ref. 1 child)																
No child	0.05		0.00		-0.03		-0.01		0.09	**	0.01		-0.08	*	-0.02	
2+ children	0.07	**	-0.05	*	0.09	**	-0.10	**	0.06	*	-0.05		0.10	**	-0.11	**
Level of education (t0, ref. <=lower secondary)																
Higher secondary +	-0.18	**	-0.02		0.15	**	0.05		-0.19	**	-0.03		0.17	**	0.06	*
Missing value	0.05		-0.01		-0.07		0.03		0.20		0.04		-0.22	**	-0.02	
Migrant generation (ref. non-migrant)																
1st generation	0.08	*	0.05		-0.10	**	-0.03		0.15	**	0.06		-0.17	**	-0.04	
2nd generation	0.02		0.01		-0.04		0.01		0.03		0.02		-0.05		0.00	
Missing value	-0.01		0.02		0.03		-0.03		-0.06		0.01		0.08		-0.02	

Notes: Calculations based on: pairfam waves 1-12 (2009-2020). $N = 1862$ women. 1=ARE/ no birth, 2=ARE/ birth, 3=No ARE/ no birth, 4=No ARE/ birth.

* $p=0.05$, ** $p=0.01$.

Table S.3 Comparison of the analytical sample (women who participated in all waves) and the full sample (all women)

Sociodemographic composition (%, <i>N</i>)				
	Analytical sample		Full sample	
	%	N	%	N
Age group				
15-27 years	25.7	479	30.0	2139
25-38 years	33.4	621	33.6	2392
35-48 years	40.9	762	36.4	2596
Parity (t0)				
No child	54.4	1012	56.9	4054
1 child	20.0	372	17.6	1255
2+ children	25.7	478	25.5	1818
Level of education (t0)				
<=lower secondary	15.0	279	20.2	1440
Higher secondary +	85.0	1583	79.8	5687
Migrant generation				
Non-migrant	78.9	1470	73.3	5225
1st generation migrant	8.9	165	12.7	906
2nd generation migrant	9.5	177	11.4	816
Missing value	2.7	50	2.5	180
<i>N</i>		1862		7127

Notes: Calculations based on: pairfam waves 1-12 (2009-2020). The size of the full sample is 7127 instead of 7129, as mentioned in section 3.1, because of listwise deletion of missing values on the dependent variable.