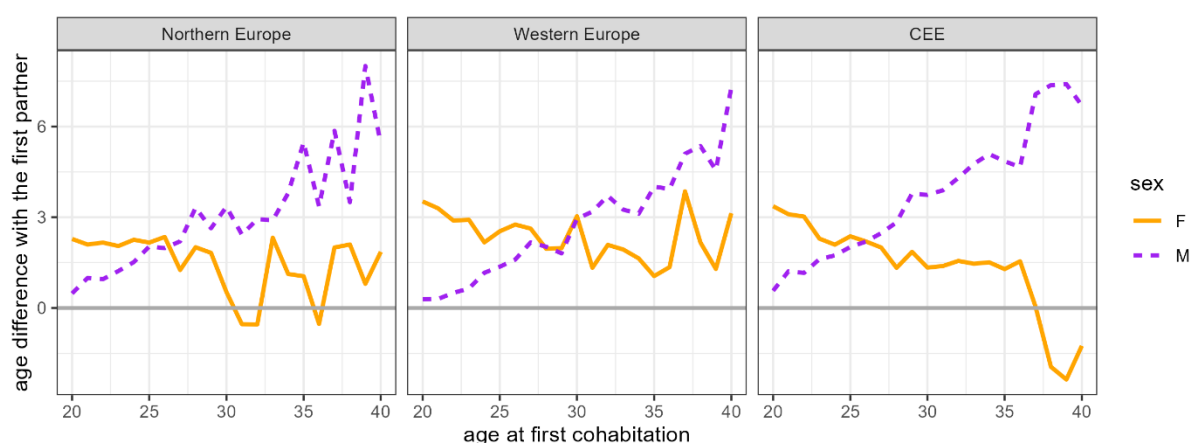


Supplementary Material

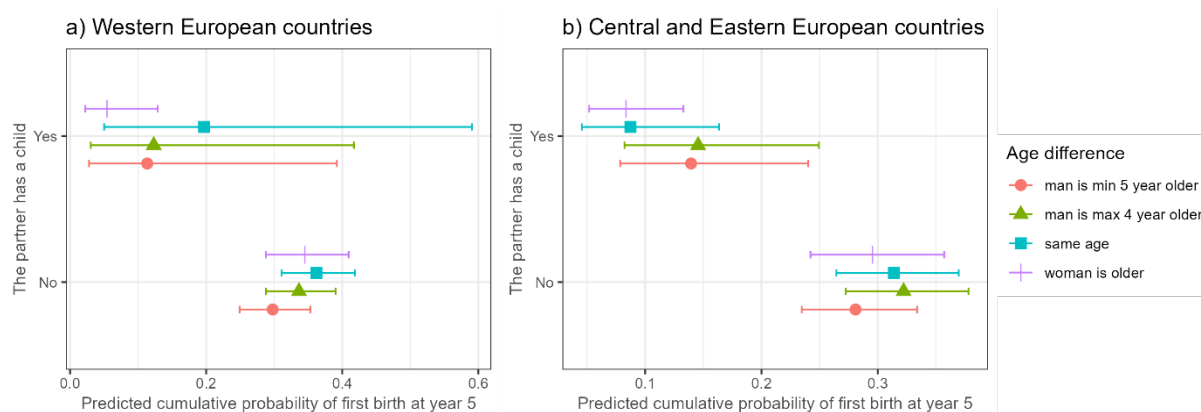
Supplement to: Compans, M-C., Trimarchi, A. and Beaujouan, E. (2026). Partners' age differences and transitions to first birth by age at first and second union in Europe, *Vienna Yearbook of Population Research*, 24. <https://doi.org/10.1553/p-nk6a-fj74>

Figure S.1 Average age difference with the first partner by age at first cohabitation, sex and region



Source: GGS-II.

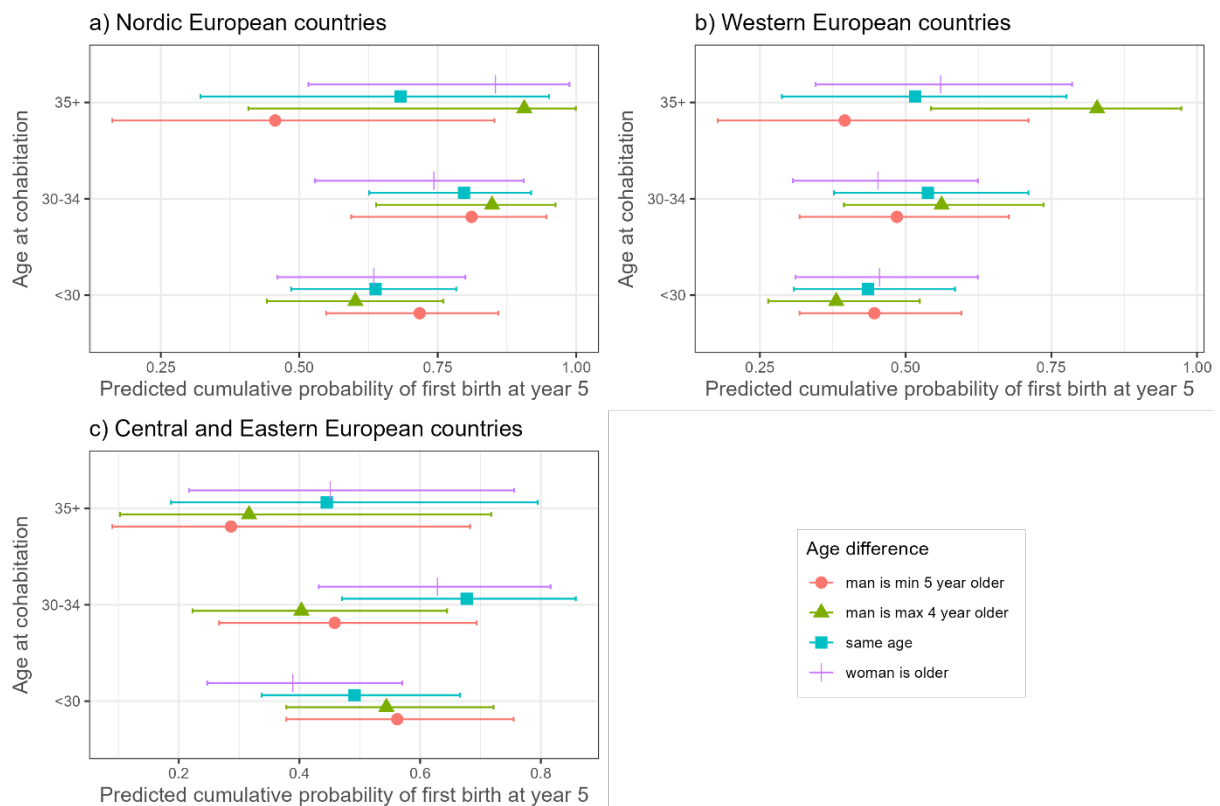
Figure S.2 Predicted cumulative probabilities (with confidence intervals) of first birth within five years after first partnership formation by existence of partner's children, age difference between partners, men in Western and CEE countries (discrete event-history model with interaction)



Note: Models control for marital status, whether the partner has children, education, birth cohort and the country of birth.

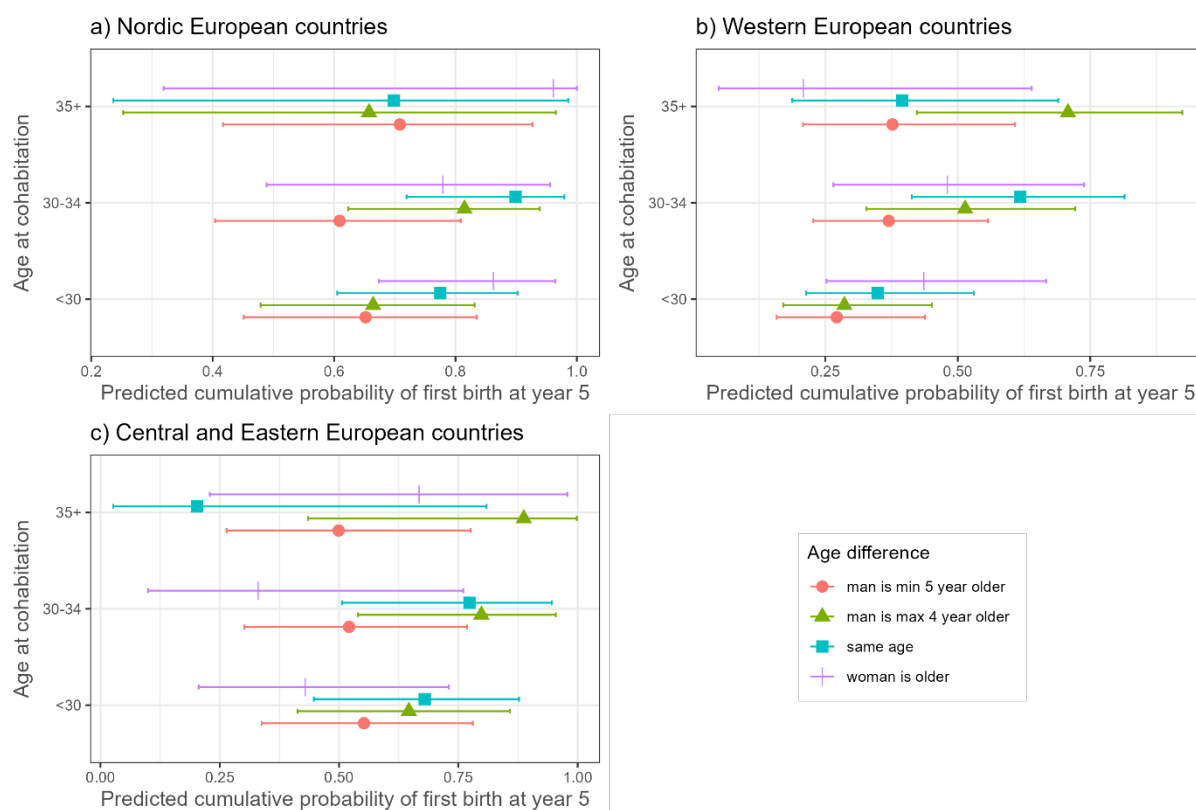
Source: GGS-II.

Figure S.3 Predicted cumulative probabilities (with confidence intervals) of first birth within five years after second partnership formation by age at cohabitation, age difference between partners and region, women (discrete event-history model with interaction)



Note: Models control for marital status, whether the partner has children, education, birth cohort and the country of birth.
Source: GGS-II.

Figure S.4 Predicted cumulative probabilities (with confidence intervals) of first birth within five years after second partnership formation by age at cohabitation, age difference between partners and region, men (discrete event-history model with interaction)



Note: Models control for marital status, whether the partner has children, education, birth cohort and the country of birth.

Source: GGS-II.

Table S.1 Associations between individual and first partnership characteristics and first births by region, women (discrete-time event-history models with separation as a competing risk)

	Northern European countries			Western European countries			Central and Eastern European countries		
	coeff	se	p-value	coeff	se	p-value	coeff	se	p-value
Intercept	-3.730	0.19	0.000	-4.210	0.11	0.000	-3.180	0.10	0.019
Baseline (years)									
1	1.490	0.18	0.000	1.080	0.09	0.000	1.370	0.06	0.000
2	1.790	0.18	0.000	1.330	0.09	0.000	1.260	0.06	0.000
3	2.070	0.18	0.000	1.450	0.09	0.000	1.070	0.07	0.000
4	2.160	0.18	0.000	1.570	0.09	0.000	0.656	0.08	0.000
5	2.090	0.19	0.000	1.580	0.10	0.000	0.567	0.09	0.000
6	2.410	0.19	0.000	1.710	0.10	0.000	0.625	0.10	0.000
7	2.420	0.19	0.000	1.650	0.11	0.000	0.350	0.12	0.002
8	2.240	0.21	0.000	1.740	0.11	0.000	0.459	0.12	0.000
9	2.250	0.22	0.000	1.680	0.13	0.000	0.324	0.14	0.016
10	1.350	0.28	0.000	1.390	0.15	0.000	0.212	0.15	0.165
11	1.400	0.29	0.000	1.130	0.17	0.000	-0.106	0.18	0.564
12	1.630	0.29	0.000	0.980	0.20	0.000	0.019	0.19	0.921
13	1.160	0.36	0.001	1.100	0.20	0.000	-0.720	0.28	0.009
14	0.842	0.43	0.051	0.623	0.26	0.016	-0.933	0.32	0.003
15	-0.001	0.69	0.999	0.020	0.35	0.953	-0.965	0.34	0.005
Age difference (ref="Same age")									
The man is min. 5 years older	0.074	0.08	0.379	0.110	0.05	0.030	0.105	0.05	0.028
The man is max. 4 years older	-0.025	0.07	0.734	0.084	0.05	0.070	0.130	0.04	0.003
The woman is older	0.190	0.12	0.115	0.079	0.07	0.286	-0.054	0.07	0.441
Age at cohabiting (ref="25–29")									
< 25	-0.310	0.08	0.000	-0.279	0.05	0.000	0.024	0.05	0.613
30 +	-0.146	0.13	0.276	0.029	0.08	0.703	-0.229	0.08	0.005
Marriage (ref="Not married")	0.295	0.07	0.000	0.746	0.05	0.000	1.370	0.06	0.000
The partner has a child (ref="No child")	-0.634	0.24	0.007	-0.291	0.13	0.026	-0.959	0.10	0.000
Religiosity	0.013	0.01	0.240	0.043	0.01	0.000	0.020	0.01	0.003
Not born in the surveyed country	-0.337	0.10	0.001	0.065	0.05	0.230	-0.018	0.07	0.799

Cohort 1980–89	-0.161	0.06	0.010	-0.016	0.04	0.686	-0.165	0.04	0.000
Below tertiary education (ref="Tertiary educated")	-0.023	0.06	0.726	0.414	0.04	0.000	0.079	0.04	0.032
AIC	11,386			25,092			24,646		
N partnership-year	15,027			31,499			26,620		

Note: se=standard error. Source: GGS-II.

Table S.2 Associations between individual and first partnership characteristics and first births by region, men (discrete-time event-history models with separation as a competing risk)

	Northern European countries			Western European countries			Central and Eastern European countries		
	coeff	se	p-value	coeff	se	p-value	coeff	se	p-value
Intercept	-4.020	0.20	0.000	-4.330	0.12	0.002	-3.350	0.10	0.000
Baseline (years)									
1	1.630	0.20	0.000	1.200	0.11	0.000	1.190	0.06	0.000
2	2.040	0.20	0.000	1.590	0.11	0.000	1.270	0.07	0.000
3	2.230	0.20	0.000	1.760	0.11	0.000	0.933	0.07	0.000
4	2.330	0.20	0.000	1.710	0.11	0.000	0.845	0.08	0.000
5	2.370	0.21	0.000	1.770	0.11	0.000	0.838	0.09	0.000
6	2.770	0.21	0.000	1.960	0.12	0.000	0.706	0.10	0.000
7	2.820	0.21	0.000	2.150	0.12	0.000	0.404	0.12	0.001
8	2.710	0.23	0.000	2.020	0.13	0.000	0.389	0.13	0.002
9	2.630	0.24	0.000	2.020	0.14	0.000	0.119	0.15	0.422
10	2.540	0.26	0.000	1.840	0.15	0.000	0.013	0.17	0.936
11	2.930	0.26	0.000	1.550	0.17	0.000	0.411	0.16	0.009
12	2.370	0.31	0.000	1.430	0.19	0.000	0.098	0.20	0.616
13	0.170	0.75	0.820	1.320	0.22	0.000	-0.506	0.27	0.063
14	0.974	0.57	0.089	1.010	0.26	0.000	-1.490	0.46	0.001
15	0.304	0.81	0.707	0.956	0.29	0.001	-1.290	0.45	0.004
Age difference (ref="Same age")									
The man is min. 5 years older	-0.445	0.11	0.000	-0.190	0.06	0.003	-0.099	0.05	0.068
The man is max. 4 years older	-0.117	0.07	0.116	-0.062	0.05	0.199	0.040	0.04	0.372
The woman is older	0.334	0.11	0.002	-0.176	0.07	0.012	-0.123	0.07	0.067

Age at cohabiting (ref="25–29")									
< 25	-0.489	0.07	0.000	-0.361	0.05	0.000	-0.047	0.04	0.264
30 +	0.554	0.10	0.000	0.154	0.06	0.010	-0.087	0.06	0.148
Marriage (ref="Not married")	0.216	0.07	0.004	0.883	0.05	0.000	1.370	0.06	0.000
The partner has a child (ref="No child")	-3.020	0.42	0.000	-1.910	0.35	0.000	-1.210	0.13	0.000
Religiosity	0.046	0.01	0.000	0.037	0.01	0.000	0.036	0.01	0.000
Not born in the surveyed country	-0.124	0.11	0.262	0.011	0.06	0.852	0.125	0.07	0.094
Cohort 1980–89 (ref="1970–79")	-0.258	0.06	0.000	-0.080	0.04	0.049	-0.130	0.04	0.000
Below tertiary education (ref="Tertiary educated")	0.155	0.06	0.016	0.124	0.04	0.003	0.185	0.04	0.000
AIC	10,621			22,779			23,321		
N partnership-year	11,743			22,757			19,937		

Note: se=standard error. Source: GGS-II.

Table S.3 Country fixed effects on first birth hazards in first partnerships by region, men and women (discrete-time event-history models)

	Northern European countries			Western European countries			Central and Eastern European countries		
	coeff	se	p-value	coeff	se	p-value	coeff	se	p-value
WOMEN									
Ref="Denmark"									
Finland	-0.298	0.07	<0.001						
Norway	0.149	0.06	0.018						
Ref="Austria"									
France				0.529	0.054	<0.001			
Germany				0.326	0.053	<0.001			
Netherlands				0.380	0.057	<0.001			
UK				0.058	0.085	0.491			
Ref="Belarus"									
Croatia							-0.408	0.05	<0.001
Czechia							-0.569	0.06	<0.001
Estonia							-0.530	0.06	<0.001
Moldova							-0.091	0.05	0.097
MEN									
Ref="Denmark"									
Finland	-0.314	0.08	<0.001						
Norway	0.058	0.07	0.427						
Ref="Austria"									
France				0.354	0.07	<0.001			
Germany				0.500	0.07	<0.001			
Netherlands				0.366	0.07	<0.001			
UK				0.058	0.110	0.595			
Ref="Belarus"									
Croatia							-0.354	0.06	<0.001
Czechia							-0.424	0.07	<0.001
Estonia							-0.507	0.06	<0.001
Moldova							-0.136	0.07	0.038

Note: se=standard error.

Source: GGS-II.

Table S.4 Country fixed effects on first birth hazards in second partnerships by region, men and women
(discrete-time event-history models)

	Northern European countries			Western European countries			Central and Eastern European countries		
	coeff	se	p-value	coeff	se	p-value	coeff	se	p-value
WOMEN									
Ref="Denmark"									
Finland	-0.340	0.14	0.015						
Norway	0.022	0.13	0.871						
Ref="Austria"									
France				0.233	0.14	0.105			
Germany				0.510	0.13	<0.001			
Netherlands				0.458	0.15	0.002			
UK				0.082	0.25	0.740			
Ref="Belarus"									
Croatia							-0.322	0.25	0.199
Czechia							0.100	0.19	0.601
Estonia							0.014	0.20	0.943
Moldova							0.045	0.31	0.885
MEN									
Ref="Denmark"									
Finland	-0.661	0.18	<0.001						
Norway	0.060	0.16	0.715						
Ref="Austria"									
France				0.287	0.18	0.109			
Germany				0.749	0.18	<0.001			
Netherlands				0.874	0.21	<0.001			
UK				0.088	0.27	0.749			
Ref="Belarus"									
Croatia							-1.037	0.34	0.002
Czechia							-0.371	0.23	0.113
Estonia							-0.479	0.23	0.040
Moldova							-0.192	0.40	0.631

Note: se=standard error.

Source: GGS-II.