

What can we learn from an intersectionality-informed description of study participants? Results from the German National Cohort

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Supplementary Table 1: Comparison of education, cohabitation, and country of birth between the NAKO and the MZ, stratified by sex and age group.

	Female				Male			
	NAKO		MZ		NAKO		MZ	
	Prop. %	95% CI	Prop. %	95% CI	Prop. %	95% CI	Prop. %	95% CI
20-29 years								
Level of education								
High	78.6	77.8 - 79.4	52.7	51.9 - 53.4	75.7	74.8 - 76.5	45.8	45.0 - 46.6
Medium	17.6	16.8 - 18.3	29.8	29.2 - 30.4	18.4	17.7 - 19.2	29.0	28.4 - 29.6
Low	3.8	3.4 - 4.2	17.5	17.0 - 18.0	5.9	5.4 - 6.4	25.2	24.6 - 25.8
Cohabitation								
Living with partner	45.6	44.6 - 46.5	36.9	36.3 - 37.6	36.7	35.8 - 37.7	22.8	22.3 - 23.3
Living w/o partner	54.4	53.5 - 55.4	63.1	62.4 - 63.7	63.3	62.3 - 64.2	77.2	76.6 - 77.7
Country of birth								
Born in Germany	91.3	90.8 - 91.8	84.1	83.6 - 84.6	91.2	90.7 - 91.8	85.1	84.5 - 85.6
Born abroad	8.7	8.1 - 9.3	15.9	15.4 - 16.4	8.8	8.2 - 9.3	14.9	14.4 - 15.5
30-39 years								
Level of education								
High	69.0	68.1 - 69.8	44.7	44.1 - 45.4	66.0	65.1 - 66.9	41.4	40.8 - 42.1
Medium	24.6	23.8 - 25.5	34.0	33.4 - 34.6	24.1	23.3 - 25.0	30.1	29.5 - 30.6
Low	6.4	5.9 - 6.9	21.2	20.7 - 21.8	9.9	9.3 - 10.4	28.5	27.9 - 29.1
Cohabitation								
Living with partner	70.8	69.9 - 71.6	68.9	68.3 - 69.5	70.5	69.6 - 71.3	58.7	58.0 - 59.3
Living w/o partner	29.2	28.4 - 30.1	31.1	30.5 - 31.7	29.5	28.7 - 30.4	41.3	40.7 - 42.0
Country of birth								
Born in Germany	85.4	84.7 - 86.1	75.8	75.2 - 76.3	85.9	85.2 - 86.5	78.0	77.4 - 78.6
Born abroad	14.6	13.9 - 15.3	24.2	23.7 - 24.8	14.1	13.5 - 14.8	22.0	21.4 - 22.6
40-49 years								
Level of education								
High	54.3	53.7 - 54.9	32.3	31.7 - 32.8	56.8	56.2 - 57.4	34.1	33.5 - 34.6
Medium	36.6	36.1 - 37.2	41.5	41.0 - 42.1	30.1	29.6 - 30.7	32.8	32.2 - 33.3
Low	9.1	8.8 - 9.5	26.2	25.7 - 26.7	13.1	12.7 - 13.5	33.2	32.6 - 33.7
Cohabitation								
Living with partner	73.1	72.6 - 73.6	71.5	71.0 - 72.0	76.7	76.2 - 77.2	68.0	67.5 - 68.6
Living w/o partner	26.9	26.4 - 27.4	28.5	28.0 - 29.0	23.3	22.8 - 23.8	32.0	31.4 - 32.5
Country of birth								
Born in Germany	85.5	85.0 - 85.9	81.0	80.5 - 81.5	86.1	85.6 - 86.5	81.8	81.3 - 82.3
Born abroad	14.5	14.1 - 15.0	19.0	18.5 - 19.5	13.9	13.5 - 14.4	18.2	17.7 - 18.7

Supplemental table 1: (continued)

	Female				Male			
	NAKO		MZ		NAKO		MZ	
	Prop.	95% CI	Prop.	95% CI	Prop.	95% CI	Prop.	95% CI
	%		%		%		%	
50-59 years								
Level of education								
High	45.3	44.7 - 45.9	25.4	25.0 - 25.9	48.2	47.6 - 48.8	29.6	29.1 - 30.2
Medium	40.8	40.2 - 41.4	39.3	38.8 - 39.9	32.9	32.4 - 33.4	29.8	29.3 - 30.4
Low	13.9	13.5 - 14.4	35.2	34.7 - 35.8	18.9	18.4 - 19.3	40.5	40.0 - 41.1
Cohabitation								
Living with partner	69.9	69.4 - 70.5	71.7	71.2 - 72.2	76.6	76.0 - 77.1	71.4	70.9 - 71.9
Living w/o partner	30.1	29.5 - 30.6	28.3	27.8 - 28.8	23.4	22.9 - 24.0	28.6	28.1 - 29.1
Country of birth								
Born in Germany	89.2	88.8 - 89.5	84.9	84.5 - 85.4	89.3	88.9 - 89.6	84.8	84.4 - 85.3
Born abroad	10.8	10.5 - 11.2	15.1	14.6 - 15.5	10.7	10.4 - 11.1	15.2	14.7 - 15.6
60-69 years								
Level of education								
High	35.3	34.7 - 35.9	16.8	16.3 - 17.2	45.1	44.5 - 45.8	27.1	26.5 - 27.7
Medium	36.9	36.3 - 37.5	28.6	28.0 - 29.1	27.1	26.6 - 27.7	22.1	21.6 - 22.7
Low	27.8	27.2 - 28.3	54.7	54.0 - 55.3	27.7	27.2 - 28.3	50.8	50.1 - 51.5
Cohabitation								
Living with partner	67.7	67.1 - 68.3	69.7	69.1 - 70.2	81.7	81.2 - 82.1	78.2	77.6 - 78.7
Living w/o partner	32.3	31.7 - 32.9	30.3	29.8 - 30.9	18.3	17.9 - 18.8	21.8	21.3 - 22.4
Country of birth								
Born in Germany	90.2	89.8 - 90.6	85.2	84.7 - 85.7	90.8	90.5 - 91.2	85.4	84.9 - 85.9
Born abroad	9.8	9.4 - 10.2	14.8	14.3 - 15.3	9.2	8.8 - 9.5	14.6	14.1 - 15.1

Prop.: proportion, CI: confidence interval, NAKO: German National Cohort, MZ: German Census Survey

Supplementary Table 2: Comparison of the intersectional population strata between the NAKO and the MZ, stratified by sex and age group.

Intersectional population strata			Female				Male			
			NAKO		MZ		NAKO		MZ	
			Prop. %	95% CI	Prop. %	95% CI	Prop. %	95% CI	Prop. %	95% CI
20-29 years										
education	cohabitation	country of birth								
high	with partner	Germany	29.8	29.0 - 30.7	12.8	12.4 - 13.3	24.4	23.5 - 25.3	7.2	6.8 - 7.5
high	with partner	abroad	3.4	3.0 - 3.7	3.5	3.2 - 3.7	2.3	2.0 - 2.6	1.9	1.7 - 2.1
high	w/o partner	Germany	41.9	40.9 - 42.9	32.1	31.5 - 32.8	44.9	43.9 - 45.8	31.7	31.1 - 32.5
high	w/o partner	abroad	3.5	3.2 - 3.9	4.2	3.9 - 4.5	4.1	3.7 - 4.5	5.0	4.6 - 5.4
medium	with partner	Germany	9.7	9.2 - 10.3	10.7	10.3 - 11.2	7.4	6.9 - 7.9	6.4	6.1 - 6.7
medium	with partner	abroad	0.5	0.4 - 0.7	2.1	2.0 - 2.3	0.5	0.4 - 0.7	1.1	0.9 - 1.2
medium	w/o partner	Germany	6.8	6.4 - 7.3	15.3	14.8 - 15.8	9.8	9.2 - 10.4	19.6	19.1 - 20.1
medium	w/o partner	abroad	0.5	0.4 - 0.6	1.6	1.5 - 1.8	0.7	0.5 - 0.9	1.9	1.8 - 2.1
low	with partner	Germany	1.6	1.4 - 1.9	4.9	4.6 - 5.2	1.7	1.4 - 1.9	4.6	4.3 - 4.8
low	with partner	abroad	0.5	0.4 - 0.6	2.8	2.6 - 3.0	0.5	0.3 - 0.6	1.7	1.6 - 1.9
low	w/o partner	Germany	1.4	1.2 - 1.6	8.2	7.9 - 8.6	3.1	2.7 - 3.4	15.6	15.1 - 16.1
low	w/o partner	abroad	0.3	0.2 - 0.4	1.6	1.4 - 1.8	0.7	0.6 - 0.9	3.3	3.0 - 3.6
30-39 years										
education	cohabitation	country of birth								
high	with partner	Germany	41.2	40.3 - 42.1	22.8	22.3 - 23.3	39.8	38.9 - 40.7	19.4	18.9 - 19.9
high	with partner	abroad	7.2	6.8 - 7.7	7.3	6.9 - 7.6	6.6	6.1 - 7.1	5.1	4.9 - 5.4
high	w/o partner	Germany	17.9	17.2 - 18.6	12.0	11.6 - 12.5	16.8	16.1 - 17.6	13.9	13.4 - 14.4
high	w/o partner	abroad	2.7	2.4 - 3.0	2.6	2.4 - 2.9	2.8	2.5 - 3.1	3.0	2.8 - 3.3
medium	with partner	Germany	15.9	15.2 - 16.6	19.4	18.9 - 19.9	15.7	15.0 - 16.4	14.4	13.9 - 14.8
medium	with partner	abroad	2.0	1.8 - 2.3	4.6	4.4 - 4.9	1.8	1.6 - 2.1	3.5	3.3 - 3.7
medium	w/o partner	Germany	6.0	5.6 - 6.5	8.7	8.3 - 9.0	6.2	5.7 - 6.6	10.8	10.5 - 11.2
medium	w/o partner	abroad	0.7	0.6 - 0.9	1.3	1.2 - 1.5	0.5	0.4 - 0.6	1.3	1.2 - 1.5
low	with partner	Germany	3.0	2.7 - 3.4	8.1	7.8 - 8.5	4.7	4.3 - 5.1	10.1	9.8 - 10.5
low	with partner	abroad	1.4	1.2 - 1.6	6.7	6.4 - 7.0	1.9	1.7 - 2.2	6.1	5.8 - 6.5
low	w/o partner	Germany	1.4	1.2 - 1.7	4.8	4.5 - 5.1	2.7	2.4 - 3.0	9.5	9.1 - 9.9
low	w/o partner	abroad	0.5	0.4 - 0.7	1.7	1.5 - 1.8	0.6	0.4 - 0.7	2.8	2.5 - 3.0
40-49 years										
education	cohabitation	country of birth								
high	with partner	Germany	33.2	32.6 - 33.7	18.4	17.9 - 18.8	38.5	37.9 - 39.1	20.6	20.1 - 21.1
high	with partner	abroad	6.2	5.9 - 6.5	4.4	4.2 - 4.7	5.9	5.6 - 6.2	3.6	3.4 - 3.9
high	w/o partner	Germany	12.8	12.4 - 13.2	7.9	7.6 - 8.2	10.9	10.5 - 11.3	8.5	8.2 - 8.8
high	w/o partner	abroad	2.1	1.9 - 2.3	1.6	1.4 - 1.7	1.5	1.4 - 1.7	1.3	1.1 - 1.5
medium	with partner	Germany	24.3	23.8 - 24.9	26.5	26.0 - 27.0	20.3	19.8 - 20.8	19.2	18.8 - 19.7
medium	with partner	abroad	2.7	2.5 - 2.9	3.7	3.5 - 3.9	2.5	2.3 - 2.7	3.4	3.2 - 3.6
medium	w/o partner	Germany	8.8	8.4 - 9.1	10.2	9.9 - 10.5	6.8	6.5 - 7.1	9.3	9.0 - 9.6
medium	w/o partner	abroad	0.9	0.8 - 1.0	1.1	0.8 - 1.2	0.5	0.5 - 0.6	0.9	0.8 - 1.0
low	with partner	Germany	4.7	4.5 - 5.0	12.1	11.8 - 12.5	6.7	6.4 - 7.1	14.5	14.1 - 14.9
low	with partner	abroad	2.0	1.9 - 2.2	6.3	6.1 - 6.6	2.7	2.5 - 2.9	6.7	6.4 - 7.0
low	w/o partner	Germany	1.6	1.5 - 1.8	5.9	5.6 - 6.2	2.9	2.7 - 3.1	9.7	9.4 - 10.1
Low	w/o partner	abroad	0.7	0.6 - 0.8	1.8	1.7 - 2.0	0.7	0.6 - 0.8	2.2	2.0 - 2.4

Supplemental table 2: (continued)

Intersectional population strata			Female				Male			
			NAKO		MZ		NAKO		MZ	
			Prop. %	95% CI	Prop. %	95% CI	Prop. %	95% CI	Prop. %	95% CI
			50-59 years							
education	cohabitation	country of birth								
high	with partner	Germany	26.9	26.4 - 27.4	14.2	13.9 - 14.6	33.0	32.5 - 33.6	18.7	18.3 - 19.2
high	with partner	abroad	3.8	3.6 - 4.0	3.1	2.9 - 3.3	4.0	3.7 - 4.2	3.1	2.9 - 3.3
high	w/o partner	Germany	12.7	12.3 - 13.1	6.8	6.5 - 7.0	10.0	9.6 - 10.3	6.8	6.5 - 7.0
high	w/o partner	abroad	1.8	1.7 - 2.0	1.3	1.2 - 1.5	1.2	1.1 - 1.4	1.0	0.9 - 1.1
medium	with partner	Germany	27.3	26.7 - 27.8	26.3	25.8 - 26.8	23.5	23.0 - 24.0	19.3	18.9 - 19.8
medium	with partner	abroad	1.9	1.7 - 2.0	2.6	2.4 - 2.7	1.8	1.6 - 2.0	2.7	2.5 - 2.9
medium	w/o partner	Germany	10.8	10.5 - 11.2	9.5	9.2 - 9.8	7.2	6.9 - 7.6	7.2	6.9 - 7.5
medium	w/o partner	abroad	0.8	0.7 - 1.0	1.0	0.9 - 1.1	0.4	0.3 - 0.5	0.7	0.6 - 0.8
low	with partner	Germany	8.3	8.0 - 8.6	20.1	19.6 - 20.5	11.5	11.2 - 11.9	21.7	21.2 - 22.2
low	with partner	abroad	1.8	1.6 - 1.9	5.4	5.1 - 5.6	2.7	2.5 - 2.9	5.8	5.6 - 6.1
low	w/o partner	Germany	3.2	3.0 - 3.4	8.1	7.8 - 8.4	4.0	3.7 - 4.2	11.1	10.8 - 11.5
low	w/o partner	abroad	0.7	0.6 - 0.8	1.7	1.5 - 1.8	0.7	0.6 - 0.8	1.9	1.7 - 2.0
			60-69 years							
education	cohabitation	country of birth								
high	with partner	Germany	20.0	19.6 - 20.5	8.9	8.5 - 9.2	33.3	32.8 - 33.9	18.7	18.2 - 19.2
high	with partner	abroad	3.0	2.8 - 3.2	2.2	2.0 - 2.4	3.4	3.1 - 3.6	2.7	2.5 - 3.0
high	w/o partner	Germany	10.4	10.1 - 10.8	4.5	4.3 - 4.8	7.5	7.2 - 7.8	4.7	4.4 - 4.9
high	w/o partner	abroad	1.8	1.6 - 1.9	1.1	1.0 - 1.3	0.9	0.8 - 1.1	1.0	0.8 - 1.1
medium	with partner	Germany	24.1	23.6 - 24.6	18.6	18.1 - 19.1	21.0	20.5 - 21.5	15.9	15.5 - 16.4
medium	with partner	abroad	1.5	1.3 - 1.6	1.7	1.6 - 1.9	1.5	1.3 - 1.6	1.9	1.8 - 2.1
medium	w/o partner	Germany	10.5	10.2 - 10.9	7.4	7.1 - 7.7	4.2	4.0 - 4.5	3.9	3.7 - 4.2
medium	w/o partner	abroad	0.9	0.8 - 1.0	0.9	0.8 - 1.0	0.4	0.3 - 0.5	0.3	0.3 - 0.4
low	with partner	Germany	17.4	16.9 - 17.9	32.3	31.7 - 32.8	20.0	19.6 - 20.6	31.9	31.3 - 32.5
low	with partner	abroad	1.7	1.5 - 1.9	6.0	5.7 - 6.3	2.4	2.2 - 2.6	7.0	6.7 - 7.4
low	w/o partner	Germany	7.7	7.4 - 8.1	13.6	13.2 - 14.0	4.7	4.4 - 4.9	10.3	9.9 - 10.7
low	w/o partner	abroad	1.0	0.9 - 1.1	2.8	2.6 - 3.0	0.6	0.5 - 0.7	1.6	1.4 - 1.8

Prop.: proportion, CI: confidence interval, NAKO: German National Cohort, MZ: German Census Survey