Supplementary online materials for the article

Economic hardship and intimate partner violence: An analysis of perpetrators in Germany

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Table A1: Operationalization of all variables

Variable name	Operationalization
Outcome variable	
Intimate partner violence (IPV) perpetration	Physical force used during arguments in current intimate relationship 　　　1 = *'Yes, due to me'* or *'Yes, due to my partner and me equally'* 　　　0 = *'Yes, due to my partner'* or *'No'* Time span for relationships which had already existed at the time of the previous interview: 　• Waves 2 & 3: since the previous interview 　• As of wave 5: time span of two years Time span for new relationships which started after the last interview: since the start of the relationship
Main explanatory variables	
Poverty status	Three categories based on net household equivalence income: 　　　1 = Below regional poverty line (<60% of regional median income, at least once within the observed time span) 　　　2 = Above regional poverty line (constantly within the observed time span) 　　　3 = Missing (at least once and never below the regional poverty line) Calculation according to the OECD-modified equivalence scale (Hagenaars, Vos, & Zaidi, 1994) Median incomes (federal state and year-specific) provided by official statistics (destatis, 2021)
Unemployment	Respondent unemployed (or retired) 　　　1 = At least once in time span considered 　　　0 = Never in time span considered
	Partner unemployed (or retired) 　　　1 = At least once in time span considered 　　　0 = Never in time span considered
Mediating variable	
Economic pressure	Additive index of two items (response format: 1= not at all correct – 5 = completely correct) Wording for respondents cohabiting with partner: 　• *'We often have to forego something because we have to watch our budget.'* 　• *'We are mostly short of money.'* Wording for respondents living alone: 　• *'I often have to forego something because I have to watch my budget.'* 　• *'I am mostly short of money.'* Index range: 1 (low) – 5 (high) Cronbach's alpha: 0.89 Average of answers in t-1/t-2 and t (time span considered)
Theoretically-informed confounding variable	
Personality traits (Big 5)	Five indices capturing a short version of the Big Five inventory 　• Neuroticism (4 items) 　• Extraversion (4 items) 　• Agreeableness (4 items) 　• Conscientiousness (4 items) 　• Openness (5 items) Index range: 1 (low) – 5 (high) Measured in waves 2, 6, and 10 See Thönnissen et al. (2021) for the precise wording of the items used

Positive childhood experiences	Metric variable Range: 0 (not at all happy) – 10 (very happy) Measured in wave 2
Basic confounding variables	

School education	Respondent's school education level
	      1 = Low or intermediate education level
	      0 = High education level
	Based on highest school degree achieved or aspired when currently enrolled; see generated variable "school" (Brüderl, Garrett, et al., 2021)

	Partner's school education level
	      1 = Low or intermediate education level
	      0 = High education level
	Based on highest school degree achieved or aspired when currently enrolled; see generated variable "pschool" (Brüderl, Garrett, et al., 2021)

Relationship status	Cohabitation with current partner
	      1 = Cohabiting
	      0 = Not cohabiting

	Married to current partner
	      1 = Married
	      0 = Not married

	Homosexual union
	      1 = Homosexual union
	      0 = Heterosexual union

Children in the household	Biological or non-biological children (i.e., step, foster, or adopted children) living in the respondent's household
	      1 = At least one child
	      0 = No child(ren)

Pregnancy	Respondent or partner pregnant
	      1 = Yes
	      0 = No

Age	Respondent younger than 21 years old
	      1 = Yes
	      0 = No

	Partner younger than 21 years old
	      1 = Yes
	      0 = No

Interval	Time span considered for outcome variable (IPV perpetration)
	      1 = Two years
	      0 = (Roughly) One year (i.e., between two interviews)

Panel wave	Metric variable ranging from 2 (2009/10) to 11 (2018/2019)
	      2 = Wave 2009/10
	      3 = Wave 2010/11
	      5 = Wave 2012/13
	      7 = Wave 2014/15
	      9 = Wave 2016/17
	      11 = Wave 2018/19

Table A2: Results of Logit estimation (OR); models including basic confounders

	Women			Men		
	(1)	(2)	(3)	(4)	(5)	(6)
Poverty status (ref.: income constantly ≥ 60% of median)						
Low income (at least once)	1.786**	1.498	1.475	0.674	0.606	0.641
	(0.385)	(0.325)	(0.331)	(0.239)	(0.223)	(0.239)
Income missing	0.992	0.989	1.065	1.080	1.090	1.147
	(0.251)	(0.251)	(0.274)	(0.307)	(0.309)	(0.327)
Unemployment						
Respondent unemployed	1.627	1.482	1.269	2.427*	2.288*	1.912
	(0.600)	(0.537)	(0.430)	(0.985)	(0.927)	(0.773)
Partner unemployed	0.943	0.876	0.777	0.576	0.549	0.447
	(0.334)	(0.291)	(0.238)	(0.293)	(0.276)	(0.232)
School education (ref.: high education)						
Respondent low or intermediate education	1.771	1.711	1.916*	1.270	1.233	1.202
	(0.572)	(0.553)	(0.610)	(0.513)	(0.503)	(0.513)
Partner low or intermediate education	0.809	0.754	0.728	1.091	1.079	1.103
	(0.271)	(0.252)	(0.247)	(0.447)	(0.442)	(0.463)
Relationship status						
Cohabiting	1.654	1.847*	1.917*	1.215	1.252	1.292
	(0.461)	(0.544)	(0.566)	(0.530)	(0.540)	(0.557)
Married	0.775	0.785	0.895	0.456	0.462	0.514
	(0.199)	(0.197)	(0.206)	(0.234)	(0.238)	(0.258)
Same-sex couple	1.527	1.520	1.013	0.351	0.354	0.287
	(1.071)	(1.064)	(0.719)	(0.365)	(0.369)	(0.300)
Children & pregnancy						
Child(ren) in household	0.801	0.772	0.845	1.869	1.800	1.928
	(0.210)	(0.201)	(0.208)	(0.865)	(0.845)	(0.894)
Pregnant/expecting child	2.110*	2.100*	2.050*	0.399*	0.399*	0.434*
	(0.760)	(0.752)	(0.708)	(0.160)	(0.160)	(0.178)
Age						
Respondent younger than 21	1.884	1.868	1.889	1.013	1.002	0.976
	(0.774)	(0.767)	(0.815)	(0.405)	(0.402)	(0.395)
Partner younger than 21	1.085	1.148	1.119	2.048	2.087	1.986
	(0.440)	(0.467)	(0.472)	(0.882)	(0.893)	(0.887)
Interval and panel waves						
Covered interval of physical force of 2 years (ref.: 1 year)	0.742	0.729	0.763	1.698	1.724	1.814
	(0.221)	(0.216)	(0.227)	(0.569)	(0.573)	(0.612)
Survey year	0.996	1.014	1.004	0.903	0.909	0.900
	(0.060)	(0.060)	(0.059)	(0.056)	(0.057)	(0.055)
Economic pressure (range: 1-5)						
Economic pressure		1.337**	1.183		1.164	1.008
		(0.145)	(0.128)		(0.123)	(0.115)
Big 5 (range: 1-5)						
Neuroticism			1.442**			1.478*
			(0.193)			(0.224)
Extraversion			1.279			1.457*
			(0.182)			(0.224)
Agreeableness			0.589***			0.574***
			(0.077)			(0.080)
Conscientiousness			0.692*			0.683*
			(0.124)			(0.113)
Openness			1.121			1.050

				(0.186)		(0.215)
Childhood experiences (range: 0-10)						
Positive childhood experiences				0.841***		0.815***
				(0.044)		(0.046)
$N_{Observations}$	12,288	12,288	12,288	9,033	9,033	9,033
$N_{Relationships}$	4,652	4,652	4,652	3,650	3,650	3,650
$N_{Respondents}$	3,696	3,696	3,696	2,965	2,965	2,965
Pseudo R^2	0.032	0.041	0.097	0.032	0.034	0.089

Notes: Exponentiated coefficients (odds ratios); cluster-robust standard errors in parentheses;
*Significance: * p<0.05, ** p<0.01, *** p<0.001.*

Table A3: Results of logit estimation (OR); full sample with interaction terms for gender

	(1)	(2)	(3)
Poverty status (ref.: income constantly ≥ 60% of median)			
Low income (at least once)	1.786**	1.498	1.475
	(0.385)	(0.325)	(0.331)
Income missing	0.992	0.989	1.065
	(0.251)	(0.251)	(0.274)
Unemployment			
Respondent unemployed	1.627	1.482	1.269
	(0.600)	(0.537)	(0.430)
Partner unemployed	0.943	0.876	0.777
	(0.334)	(0.291)	(0.238)
School education (ref.: high education)			
Respondent low or intermediate education	1.771	1.711	1.916*
	(0.572)	(0.552)	(0.610)
Partner low or intermediate education	0.809	0.754	0.728
	(0.271)	(0.252)	(0.247)
Relationship status			
Cohabiting	1.654	1.847*	1.917*
	(0.461)	(0.544)	(0.566)
Married	0.775	0.785	0.895
	(0.199)	(0.197)	(0.206)
Same-sex couple	1.527	1.520	1.013
	(1.071)	(1.064)	(0.718)
Children & pregnancy			
Child(ren) in household	0.801	0.772	0.845
	(0.210)	(0.201)	(0.208)
Pregnant/expecting child	2.110*	2.100*	2.050*
	(0.760)	(0.752)	(0.708)
Age			
Respondent younger than 21	1.884	1.868	1.889
	(0.774)	(0.767)	(0.815)
Partner younger than 21	1.085	1.148	1.119
	(0.440)	(0.467)	(0.472)
Interval and panel waves			
Covered interval of physical force of 2 years (ref.: 1 year)	0.742	0.729	0.763
	(0.221)	(0.216)	(0.227)
Survey year	0.996	1.014	1.004
	(0.060)	(0.060)	(0.059)
Economic pressure (range: 1-5)			
Economic pressure		1.337**	1.183
		(0.145)	(0.128)
Big 5 (range: 1-5)			
Neuroticism			1.442**
			(0.193)
Extraversion			1.279
			(0.182)
Agreeableness			0.589***
			(0.077)
Conscientiousness			0.692*
			(0.124)
Openness			1.121
			(0.186)
Childhood experiences (range: 0-10)			
Positive childhood experiences			0.841***
			(0.044)

Main effect gender

Male	1.371	2.079	2.684
	(0.788)	(1.339)	(4.877)
Interaction effects			
Male # Low income (at least once)	0.377*	0.405*	0.434
	(0.157)	(0.173)	(0.189)
Male # Income missing	1.089	1.101	1.077
	(0.414)	(0.419)	(0.414)
Male # Respondent unemployed	1.492	1.543	1.507
	(0.818)	(0.839)	(0.795)
Male # Partner unemployed	0.611	0.627	0.575
	(0.378)	(0.377)	(0.346)
Male # Respondent low or intermediate education	0.717	0.720	0.627
	(0.371)	(0.375)	(0.334)
Male # Partner low or intermediate education	1.348	1.430	1.514
	(0.713)	(0.756)	(0.817)
Male # Cohabiting	0.735	0.678	0.674
	(0.380)	(0.354)	(0.352)
Male # Married	0.588	0.589	0.574
	(0.338)	(0.337)	(0.317)
Male # Child(ren) in household	2.334	2.331	2.282
	(1.242)	(1.251)	(1.198)
Male # Pregnant	0.189**	0.190**	0.212**
	(0.102)	(0.102)	(0.113)
Male # Respondent younger than 21	0.538	0.536	0.517
	(0.308)	(0.308)	(0.306)
Male # Partner younger than 21	1.888	1.818	1.775
	(1.116)	(1.073)	(1.091)
Male # Same-sex couple	0.230	0.233	0.283
	(0.288)	(0.292)	(0.357)
Male # Covered interval of physical force of 2 years (ref.: 1 year)	2.288	2.364	2.377
	(1.025)	(1.052)	(1.069)
Male # Survey year	0.906	0.897	0.896
	(0.079)	(0.077)	(0.076)
Male # Economic pressure		0.871	0.852
		(0.132)	(0.134)
Male # Neuroticism			1.025
			(0.207)
Male # Extraversion			1.139
			(0.239)
Male # Agreeableness			0.975
			(0.186)
Male # Conscientiousness			0.986
			(0.241)
Male # Openness			0.937
			(0.247)
Male # Positive childhood experiences			0.969
			(0.074)
$N_{Observations}$	21,321	21,321	21,321
$N_{Relationships}$	8,302	8,302	8,302
$N_{Respondents}$	6,661	6,661	6,661
Pseudo R^2	0.033	0.039	0.094

Notes: Exponentiated coefficients (odds ratios); cluster-robust standard errors in parentheses;
*Significance: * p<0.05, ** p<0.01, *** p<0.001.*

Table A4: Results of logit estimation (OR); full models with Big 5 and childhood experiences separately

	Only Big 5, no childhood experiences		Only childhood experiences, no Big 5	
	Women	Men	Women	Men
Poverty status (ref.: income constantly ≥ 60% of median)				
Low income (at least once)	1.483	0.659	1.499	0.604
	(0.329)	(0.238)	(0.329)	(0.229)
Income missing	1.006	1.119	1.032	1.150
	(0.258)	(0.318)	(0.265)	(0.323)
Unemployment				
Respondent unemployed	1.352	2.073	1.297	2.051
	(0.475)	(0.817)	(0.461)	(0.862)
Partner unemployed	0.860	0.548	0.802	0.444
	(0.271)	(0.275)	(0.254)	(0.229)
School education (ref.: high education)				
Respondent low or intermediate education	1.984*	1.314	1.637	1.105
	(0.638)	(0.549)	(0.522)	(0.459)
Partner low or intermediate education	0.775	1.125	0.714	1.047
	(0.263)	(0.468)	(0.238)	(0.433)
Relationship status				
Cohabiting	1.908*	1.274	1.881*	1.218
	(0.566)	(0.550)	(0.544)	(0.530)
Married	0.880	0.521	0.818	0.455
	(0.209)	(0.264)	(0.196)	(0.230)
Same-sex couple	1.113	0.331	1.293	0.288
	(0.784)	(0.343)	(0.928)	(0.303)
Children & pregnancy				
Child(ren) in household	0.843	1.982	0.781	1.802
	(0.217)	(0.913)	(0.196)	(0.840)
Pregnant/expecting child	2.033*	0.404*	2.137*	0.429*
	(0.708)	(0.164)	(0.743)	(0.174)
Age				
Respondent younger than 21	1.669	0.948	2.221	1.040
	(0.690)	(0.388)	(0.951)	(0.413)
Partner younger than 21	1.092	1.942	1.167	2.129
	(0.448)	(0.861)	(0.488)	(0.925)
Interval and panel waves				
Covered interval of physical force of 2 years (ref.: 1 year)	0.755	1.797	0.744	1.727
	(0.223)	(0.597)	(0.222)	(0.584)
Survey year	0.997	0.902	1.016	0.908
	(0.058)	(0.055)	(0.060)	(0.058)
Economic pressure (range: 1-5)				
Economic pressure	1.245*	1.061	1.246*	1.086
	(0.130)	(0.121)	(0.137)	(0.116)
Big 5 (range: 1-5)				
Neuroticism	1.563***	1.619**		
	(0.211)	(0.264)		
Extraversion	1.292	1.467*		
	(0.186)	(0.225)		
Agreeableness	0.557***	0.542***		
	(0.077)	(0.075)		
Conscientiousness	0.713	0.708*		
	(0.133)	(0.124)		
Openness	1.134	1.026		
	(0.185)	(0.214)		

Childhood experiences (range: 0-10)

Positive childhood experiences			0.812***	0.787***
			(0.040)	(0.044)
$N_{Observations}$	12,288	9,033	12,288	9,033
$N_{Relationships}$	4,652	3,650	4,652	3,650
$N_{Respondents}$	3,696	2,965	3,696	2,965
Pseudo R^2	0.082	0.073	0.064	0.057

Notes: Exponentiated coefficients (odds ratios); cluster-robust standard errors in parentheses;
Significance: * p<0.05, ** p<0.01, *** p<0.001.

Table A5: Results of logit estimation (OR); excluding cases with missing income

	Women			Men		
	(1)	(2)	(3)	(4)	(5)	(6)
Poverty status (ref.: income constantly ≥ 60% of median)						
Low income (at least once)	1.820**	1.493	1.483	0.632	0.591	0.638
	(0.396)	(0.330)	(0.339)	(0.234)	(0.229)	(0.244)
Unemployment						
Respondent unemployed	1.619	1.465	1.247	2.890*	2.763*	2.294
	(0.613)	(0.541)	(0.425)	(1.260)	(1.199)	(0.986)
Partner unemployed	0.876	0.808	0.705	0.573	0.557	0.456
	(0.326)	(0.281)	(0.223)	(0.313)	(0.300)	(0.255)
School education (ref.: high education)						
Respondent low or intermediate education	1.865	1.815	1.951	0.991	0.969	0.988
	(0.644)	(0.629)	(0.676)	(0.425)	(0.421)	(0.449)
Partner low or intermediate education	0.851	0.778	0.764	1.383	1.376	1.355
	(0.316)	(0.289)	(0.293)	(0.598)	(0.595)	(0.598)
Relationship status						
Cohabiting	1.677	1.901*	1.985*	1.045	1.068	1.093
	(0.444)	(0.541)	(0.565)	(0.525)	(0.530)	(0.548)
Married	0.847	0.853	0.965	0.560	0.565	0.640
	(0.234)	(0.231)	(0.239)	(0.306)	(0.309)	(0.337)
Same-sex couple	1.920	1.996	1.324	0.327	0.328	0.275
	(1.371)	(1.414)	(0.965)	(0.340)	(0.342)	(0.285)
Children & pregnancy						
Child(ren) in household	0.802	0.775	0.866	1.564	1.523	1.709
	(0.227)	(0.217)	(0.229)	(0.745)	(0.736)	(0.795)
Pregnant/expecting child	2.287*	2.286*	2.208*	0.354*	0.356*	0.370*
	(0.839)	(0.831)	(0.774)	(0.169)	(0.170)	(0.180)
Age						
Respondent younger than 21	1.603	1.605	1.755	1.138	1.129	1.108
	(0.643)	(0.646)	(0.764)	(0.503)	(0.500)	(0.498)
Partner younger than 21	1.459	1.580	1.530	1.969	1.996	1.960
	(0.617)	(0.671)	(0.684)	(0.905)	(0.909)	(0.938)
Interval and panel waves						
Covered interval of physical force of 2 years (ref.: 1 year)	0.942	0.915	0.977	1.627	1.648	1.817
	(0.298)	(0.288)	(0.305)	(0.629)	(0.633)	(0.706)
Survey year	0.967	0.987	0.978	0.928	0.931	0.915
	(0.061)	(0.061)	(0.060)	(0.061)	(0.062)	(0.059)
Economic pressure (range: 1-5)						
Economic pressure		1.377**	1.206		1.104	0.936
		(0.169)	(0.146)		(0.132)	(0.122)
Big 5 (range: 1-5)						
Neuroticism			1.447*			1.667**
			(0.215)			(0.295)
Extraversion			1.295			1.510*
			(0.206)			(0.263)
Agreeableness			0.591***			0.557***
			(0.083)			(0.092)
Conscientiousness			0.719			0.683*
			(0.145)			(0.124)
Openness			1.113			1.072
			(0.207)			(0.247)

Childhood experiences
(range: 0-10)

Positive childhood experiences			0.829***			0.824**
			(0.047)			(0.053)
$N_{Observations}$	10,284	10,284	10,284	7,649	7,649	7,649
$N_{Relationships}$	3,999	3,999	3,999	3,145	3,145	3,145
$N_{Respondents}$	3,293	3,293	3,293	2,639	2,639	2,639
Pseudo R^2	0.036	0.047	0.106	0.031	0.032	0.092

Notes: Exponentiated coefficients (odds ratios); cluster-robust standard errors in parentheses;
*Significance: * p<0.05, ** p<0.01, *** p<0.001.*

Table A6: Results of logit estimation (OR); models excluding poverty status

	Women			Men		
	(1)	(2)	(3)	(4)	(5)	(6)
Unemployment						
Respondent unemployed	1.770	1.542	1.332	2.006	1.843	1.608
	(0.669)	(0.567)	(0.453)	(0.744)	(0.689)	(0.618)
Partner unemployed	1.127	0.972	0.853	0.550	0.527	0.425
	(0.421)	(0.330)	(0.266)	(0.285)	(0.269)	(0.229)
School education (ref.: high education)						
Respondent low or intermediate education	1.896*	1.776	1.989*	1.254	1.224	1.212
	(0.606)	(0.571)	(0.630)	(0.505)	(0.498)	(0.516)
Partner low or intermediate education	0.794	0.740	0.712	1.099	1.092	1.106
	(0.266)	(0.247)	(0.241)	(0.448)	(0.445)	(0.464)
Relationship status						
Cohabiting	1.642	1.869*	1.922*	1.209	1.235	1.271
	(0.473)	(0.562)	(0.575)	(0.508)	(0.513)	(0.530)
Married	0.719	0.746	0.850	0.462	0.468	0.521
	(0.185)	(0.185)	(0.195)	(0.237)	(0.241)	(0.261)
Same-sex couple	1.591	1.539	1.047	0.358	0.359	0.283
	(1.107)	(1.074)	(0.732)	(0.374)	(0.376)	(0.298)
Children & pregnancy						
Child(ren) in household	0.848	0.799	0.872	1.870	1.822	1.955
	(0.223)	(0.208)	(0.215)	(0.866)	(0.858)	(0.911)
Pregnant/expecting child	2.130*	2.111*	2.054*	0.395*	0.394*	0.426*
	(0.764)	(0.756)	(0.708)	(0.158)	(0.158)	(0.175)
Age						
Respondent younger than 21	1.957	1.895	1.923	1.026	1.023	0.994
	(0.809)	(0.779)	(0.823)	(0.403)	(0.402)	(0.397)
Partner younger than 21	1.081	1.152	1.137	2.018	2.037	1.952
	(0.440)	(0.470)	(0.482)	(0.856)	(0.857)	(0.862)
Interval and panel waves						
Covered interval of physical force of 2 years (ref.: 1 year)	0.744	0.734	0.765	1.730	1.753	1.844
	(0.222)	(0.217)	(0.227)	(0.573)	(0.577)	(0.617)
Survey year	1.003	1.020	1.009	0.899	0.903	0.894
	(0.060)	(0.060)	(0.060)	(0.056)	(0.056)	(0.054)
Economic pressure (range: 1-5)						
Economic pressure		1.391**	1.223		1.117	0.969
		(0.148)	(0.131)		(0.112)	(0.104)
Big 5 (range: 1-5)						
Neuroticism			1.444**			1.484**
			(0.192)			(0.227)
Extraversion			1.274			1.458*
			(0.181)			(0.224)
Agreeableness			0.588***			0.570***
			(0.076)			(0.079)
Conscientiousness			0.687*			0.683*
			(0.123)			(0.113)
Openness			1.118			1.043
			(0.184)			(0.212)

**Childhood experiences
(range: 0-10)**

Positive childhood experiences			0.840***			0.818***
			(0.044)			(0.046)
$N_{Observations}$	12,288	12,288	12,288	9,033	9,033	9,033
$N_{Relationships}$	4,652	4,652	4,652	3,650	3,650	3,650
$N_{Respondents}$	3,696	3,696	3,696	2,965	2,965	2,965
Pseudo R^2	0.026	0.038	0.095	0.030	0.031	0.086

Notes: Exponentiated coefficients (odds ratios); cluster-robust standard errors in parentheses;
Significance: * p<0.05, ** p<0.01, *** p<0.001.

Table A7: Results of logit estimation (OR); full models without economic pressure

	Women	Men
Poverty status (ref.: income constantly ≥ 60% of median)		
Low income (at least once)	1.619*	0.644
	(0.362)	(0.233)
Income missing	1.066	1.147
	(0.274)	(0.326)
Unemployment		
Respondent unemployed	1.331	1.917
	(0.456)	(0.774)
Partner unemployed	0.804	0.448
	(0.254)	(0.235)
School education (ref.: high education)		
Respondent low or intermediate education	1.961*	1.204
	(0.624)	(0.505)
Partner low or intermediate education	0.757	1.103
	(0.259)	(0.463)
Relationship status		
Cohabiting	1.824*	1.291
	(0.520)	(0.561)
Married	0.891	0.514
	(0.208)	(0.258)
Same-sex couple	0.978	0.287
	(0.695)	(0.299)
Children & pregnancy		
Child(ren) in household	0.863	1.931
	(0.214)	(0.886)
Pregnant/expecting child	2.066*	0.434*
	(0.708)	(0.178)
Age		
Respondent younger than 21	1.924	0.976
	(0.833)	(0.396)
Partner younger than 21	1.081	1.985
	(0.459)	(0.890)
Interval and panel waves		
Covered interval of physical force of 2 years (ref.: 1 year)	0.776	1.814
	(0.232)	(0.613)
Survey year	0.994	0.900
	(0.060)	(0.054)
Big 5 (range: 1-5)		
Neuroticism	1.468**	1.480**
	(0.196)	(0.218)
Extraversion	1.273	1.457*
	(0.180)	(0.224)
Agreeableness	0.588***	0.574***
	(0.077)	(0.080)
Conscientiousness	0.688*	0.682*
	(0.124)	(0.114)
Openness	1.151	1.051
	(0.195)	(0.210)

Childhood experiences (range: 0-10)

Positive childhood experiences	0.833***	0.815***
	(0.041)	(0.047)
$N_{Observations}$	12,288	9,033
$N_{Relationships}$	4,652	3,650
$N_{Respondents}$	3,696	2,965
Pseudo R^2	0.094	0.089

Notes: Exponentiated coefficients (odds ratios); cluster-robust standard errors in parentheses; Signiicance: * p<0.05, ** p<0.01, *** p<0.001.