

Appendix A: Results from Logistic and Multinomial Logistic Regression Models Estimating the Moderating Effects of Imbalanced SRFBs and No Education on the Effects of Firstborn Sex on the Odds, Frequency, and Severity of Intimate partner violence Within the Last Year, Including Two-Way Interaction Terms

	Psychological			Physical			Sexual		
	II			V			VII		
	Any	Some-times	Often	Any	Often	Severe	Any	Some-times	Often
Firstborn female	0.97 (0.04)	0.96 (0.04)	1.02 (0.08)	0.96 (0.03)	1.06 (0.07)	0.97 (0.04)	0.94 (0.05)	0.92 (0.06)	1.00 (0.11)
Imbalanced SRFB	0.95 (0.06)	1.01 (0.07)	0.77* (0.08)	1.08 (0.05)	0.93 (0.09)	1.13* (0.07)	1.00 (0.07)	0.85† (0.08)	1.08 (0.15)
No education	0.95 (0.04)	1.00 (0.05)	0.81* (0.07)	1.09* (0.04)	1.15* (0.08)	1.07† (0.05)	1.11* (0.06)	0.92 (0.06)	0.88 (0.10)
Female*Imbalanced	1.11 (0.07)	1.14† (0.08)	1.01 (0.14)	1.19** (0.06)	0.96 (0.11)	1.13† (0.07)	1.28*** (0.10)	1.07 (0.09)	0.84 (0.15)
Female*No education	1.03 (0.06)	1.03 (0.06)	1.05 (0.11)	0.99 (0.04)	0.91 (0.08)	1.01 (0.05)	0.97 (0.06)	1.06 (0.08)	1.09 (0.16)
Constant	0.26*** (0.03)	0.19*** (0.02)	0.07*** (0.01)	0.75*** (0.06)	0.18*** (0.03)	0.41*** (0.04)	0.34*** (0.04)	0.22*** (0.03)	0.06*** (0.02)
Observations	57,820	57,820	57,820	57,845	57,845	57,845	57,845	57,846	57,846
Demographic controls	X	X	X	X	X	X	X	X	X

Note: Demographic controls include respondents' religion, caste, wealth quintile, recent employment, urban residence, age at first birth, and marital duration at first birth.

Robust standard errors, clustered by survey cluster, in parentheses

*** p<0.001, ** p<0.01, * p<0.05, † p<0.10, two-tailed test

Appendix B: Results from Logistic and Multinomial Logistic Regression Models Estimating the Moderating Effects of Imbalanced SRFBs and No Education on the Effects of Firstborn Sex on the Odds, Frequency, and Severity of Intimate partner violence Within the Last Year, Including a Three-Way Interaction Term

	Psychological			Physical			Sexual				
	II			IV			VI				
	Any	Some-times	Often	Any	Some-times	Often	Moderate	Severe	Any	Some-times	Often
Firstborn female	0.97 (0.04)	0.96 (0.05)	1.00 (0.08)	0.97 (0.03)	0.95 (0.04)	1.10 (0.08)	0.98 (0.04)	0.97 (0.05)	0.97 (0.06)	0.96 (0.06)	1.01 (0.12)
Imbalanced SRFB	0.87† (0.07)	0.92 (0.08)	0.76* (0.11)	1.10 (0.07)	1.10 (0.07)	1.12 (0.14)	1.11 (0.08)	1.09 (0.10)	0.89 (0.09)	0.87 (0.10)	0.96 (0.18)
No education	0.92† (0.04)	0.96 (0.05)	0.81* (0.07)	1.10* (0.04)	1.07 (0.05)	1.23* (0.10)	1.06 (0.05)	1.14* (0.06)	0.92 (0.06)	0.94 (0.07)	0.85 (0.11)
Female*Imbalanced	1.11 (0.11)	1.12 (0.12)	1.11 (0.22)	1.11 (0.08)	1.19* (0.09)	0.78 (0.13)	1.11 (0.10)	1.11 (0.13)	0.88 (0.12)	0.92 (0.15)	0.74 (0.21)
Female*No education	1.04 (0.06)	1.02 (0.07)	1.08 (0.12)	0.96 (0.05)	0.99 (0.05)	0.84† (0.08)	1.00 (0.06)	0.92 (0.07)	1.00 (0.08)	0.98 (0.09)	1.07 (0.18)
Imbalanced* No education	1.18 (0.12)	1.21† (0.13)	1.05 (0.20)	0.96 (0.08)	1.03 (0.09)	0.71* (0.12)	1.05 (0.10)	0.86 (0.10)	1.02 (0.14)	0.95 (0.15)	1.24 (0.32)
Female* Imbal.* No educ.	0.98 (0.13)	1.02 (0.15)	0.83 (0.24)	1.14 (0.12)	1.08 (0.12)	1.45 (0.35)	1.04 (0.13)	1.29 (0.20)	1.41† (0.27)	1.49† (0.32)	1.21 (0.47)
Constant	0.27*** (0.03)	0.20*** (0.02)	0.07*** (0.01)	0.74*** (0.06)	0.58*** (0.05)	0.17*** (0.03)	0.41*** (0.04)	0.33*** (0.04)	0.22*** (0.03)	0.16*** (0.02)	0.06*** (0.02)
Observations	57,820	57,820	57,820	57,845	57,845	57,845	57,845	57,845	57,846	57,846	57,846
Demographic controls	X	X	X	X	X	X	X	X	X	X	X

Note: Demographic controls include respondents' religion, caste, wealth quintile, recent employment, urban residence, age at first birth, and marital duration at first-birth. Robust standard errors, clustered by survey cluster, in parentheses
*** p<0.001, ** p<0.01, * p<0.05, † p<0.10, two-tailed test

Appendix C: Odds-Ratios From Logistic Regressions Estimating the Effects of the Sex the First Two Children and Controls on Intimate partner violence

	Any psychological			Any physical			Any sexual	
	I	II	III	IV	V	VI		
First two mixed	0.96 (0.05)	0.95 (0.05)	0.97 (0.04)	0.96 (0.04)	1.03 (0.07)	1.05 (0.08)		
First two female	0.99 (0.07)	0.98 (0.07)	0.99 (0.05)	1.00 (0.06)	1.04 (0.09)	1.11 (0.10)		
Imbalanced SRFB	0.92 (0.07)	0.81* (0.09)	1.08 (0.07)	1.05 (0.09)	1.02 (0.12)	1.08 (0.16)		
No education	0.89* (0.05)	0.85* (0.06)	1.08 (0.05)	1.07 (0.06)	0.93 (0.07)	0.95 (0.08)		
First two mixed * imbalanced SRFB	1.15† (0.10)	1.20 (0.14)	1.10 (0.07)	1.11 (0.10)	0.93 (0.11)	0.84 (0.14)		
First two female * imbalanced SRFB	1.08 (0.11)	1.11 (0.17)	1.17† (0.10)	1.07 (0.13)	0.85 (0.13)	0.56* (0.13)		
First two mixed * no education	1.06 (0.07)	1.08 (0.09)	1.00 (0.06)	1.01 (0.06)	1.00 (0.09)	0.96 (0.10)		
First two female * no education	1.07 (0.09)	1.09 (0.11)	0.99 (0.07)	0.96 (0.07)	1.08 (0.12)	0.97 (0.12)		
Imbalanced SRFB * no education		1.27 (0.18)		1.05 (0.12)		0.90 (0.18)		
First two mixed * imbalanced SRFB * no education		0.92 (0.16)		0.97 (0.13)		1.22 (0.29)		
First two female * imbalanced SRFB * no education		0.94 (0.20)		1.17 (0.18)		1.97* (0.59)		
Constant	0.27*** (0.03)	0.27*** (0.03)	0.66*** (0.06)	0.66*** (0.06)	0.19*** (0.03)	0.19*** (0.03)		
Observations	47,060	47,060	47,079	47,079	47,077	47,077		47,077
Demographic controls	X	X	X	X	X	X		X

Note: Demographic controls include respondents' religion, caste, wealth quintile, recent employment, urban residence, age at first birth, and marital duration at first-birth. Robust standard errors, clustered by survey cluster, in parentheses. *** p<0.001, ** p<0.01, * p<0.05, † p<0.10, two-tailed test

Appendix D: Odds-Ratios from Regression Models Estimating the Moderating Effects of Various Sex Ratios on the Effects of Firstborn Sex on Intimate partner violence

	Any psychological			Any physical			Any sexual					
	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
Firstborn female	0.95 (0.08)	1.03 (0.11)	1.08 (0.05)	0.94 (0.07)	0.98 (0.07)	0.91 (0.09)	0.99 (0.04)	1.02 (0.07)	0.93 (0.13)	1.00 (0.19)	0.97 (0.06)	1.09 (0.18)
Imbalanced SRB	1.06 (0.08)				1.45*** (0.10)				1.35* (0.16)			
Imbalanced SRLB		1.02 (0.10)				1.45*** (0.12)				1.62** (0.25)		
Imbalanced SRTB			1.15** (0.06)				1.28*** (0.05)				0.76*** (0.05)	
Imbalanced SRDB				0.90 (0.07)				0.85** (0.05)				1.90*** (0.23)
No education	0.95 (0.04)	0.95 (0.04)	0.95 (0.04)	0.96 (0.04)	1.09* (0.04)	1.09* (0.04)	1.10** (0.04)	1.12** (0.04)	0.91† (0.05)	0.90† (0.05)	0.92 (0.05)	0.88* (0.05)
Firstborn female * imbalanced SRB	1.05 (0.09)				1.02 (0.08)				1.03 (0.15)			
Firstborn female * imbalanced SRLB		0.96 (0.11)				1.10 (0.11)				0.95 (0.18)		
Firstborn female * imbalanced SRTB			0.87** (0.05)				1.00 (0.04)				0.98 (0.07)	
Firstborn female * imbalanced SRDB				1.07 (0.09)				0.97 (0.07)				0.86 (0.14)
Firstborn female * no education	1.03 (0.06)	1.04 (0.06)	1.03 (0.06)	1.03 (0.06)	0.99 (0.04)	0.99 (0.04)	0.99 (0.04)	1.00 (0.04)	1.06 (0.08)	1.06 (0.08)	1.06 (0.08)	1.07 (0.08)
Constant	0.24*** (0.03)	0.25*** (0.03)	0.24*** (0.02)	0.29*** (0.04)	0.53*** (0.06)	0.51*** (0.06)	0.65*** (0.06)	0.88 (0.09)	0.16*** (0.03)	0.13*** (0.03)	0.25*** (0.03)	0.11*** (0.02)
Observations	57,820	57,820	57,820	57,820	57,845	57,845	57,845	57,845	57,846	57,846	57,846	57,846
Demographic controls	X	X	X	X	X	X	X	X	X	X	X	X

Note: Demographic controls include respondents' religion, caste, wealth quintile, recent employment, urban residence, age at first birth, and marital duration at first-birth. Robust standard errors, clustered by survey cluster, in parentheses
*** p<0.001, ** p<0.01, * p<0.05, † p<0.10, two-tailed test