Property Rights and Gender Bias: Evidence from Land Reform in West Bengal
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Online Appendix

Table A.1: Infant Mortality of First-Borns

	Infant Death								
	All Children			Hindu Children			Non-Hindu Children		
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
*R50 $_{t-1}$ * male*	-0.003	-0.005	-0.003	-0.004	-0.007	-0.005	-0.013	-0.004	0.000
	(0.022)	(0.023)	(0.022)	(0.021)	(0.023)	(0.02)	(0.048)	(0.046)	(0.042)
R50 $_{t-1}$	0.010	0.017	0.017	0.022	0.021	0.028	-0.005	0.005	-0.026
	(0.02)	(0.019)	(0.023)	(0.028)	(0.026)	(0.031)	(0.030)	(0.036)	(0.031)
male	0.080	0.074	0.079	0.141	0.139	0.129	-0.105	-0.113	-0.069
	(0.132)	(0.13)	(0.127)	(0.18)	(0.178)	(0.171)	(0.248)	(0.225)	(0.227)
District FE	x	x	x	x	x	x	x	x	x
District-Year Trend	x	x	x	x	x	x	x	x	x
District Rice Productivity	x			x			x		
District Rice Productivity ^3		x			x			x	
District Rice Productivity ^4			x			x			x
Observations	3,248	3,248	3,248	2,323	2,323	2,323	925	925	925
Cohorts	1978-91	1978-91	1978-91	1978-91	1978-91	1978-91	1978-91	1978-91	1978-91
Districts	14	14	14	14	14	14	14	14	14

Notes: NFHS data. Wild cluster bootstrapped standard errors in parentheses. Samples include children of birth order 1. All specifications also include birth year fixed effects, year of interview fixed effects, indicators for household religion and caste, whether the household is rural, mother's educational attainment, and linear and quadratic terms of the mother's age at which the child is born. District covariates include sex ratio at birth, logs of *patta* land area distributed, number of medical institutions, and kilometres of surfaced road per capita and their interactions with the male child indicator. Specifications including cubic and quartic terms in district rice productivity also include quadratic terms in the same. *** p<0.01, ** p<0.05, * p<0.1

Table A.2: Infant Mortality: AR1 Error Structure

	Infant Death	
	(1)	(2)
$R50_{t-1}$ * *firstson* * *male*	2.170	2.564*
	(1.340)	(1.339)
$R50_{t-1}$ * *male*	-1.083	-1.377**
	(0.677)	(0.684)
$R50_{t-1}$ * *firstson*	-1.005	-1.230*
	(0.685)	(0.687)
$R50_{t-1}$	0.473	0.617*
	(0.346)	(0.351)
firstson * *male*	9.379	2.490
	(10.886)	(10.745)
male	-4.329	-1.104
	(5.696)	(5.674)
firstson	-5.740	-2.729
	(5.733)	(5.730)
District FE	x	x
District Covariates	x	x
District-Year Trend		x
Observations	182	182
Cohorts	1978-91	1978-91
Districts	14	14

Notes: Standard errors in parentheses. All specifications also include district-level means of birth order fixed effects, year of interview fixed effects, indicators for household religion and caste, whether the household is rural, mother's educational attainment, and linear and quadratic terms of the mother's age at which the child is born. Lagged district covariates include sex ratio at birth, birth year fixed effects, logs of *patta* land area distributed, number of medical institutions, and kilometres of surfaced road per capita and their corresponding interactions with the male child and the first-born son indicators. *** $p<0.01$, ** $p<0.05$, * $p<0.1$

Table A.3: Probability of Second Birth

	Child Has a Younger Sibling					
	All Children		Hindu Children		Non-Hindu	
	(1)	(2)	(3)	(4)	(5)	(6)
$R50_{t-1}$ * *male*	-0.006	-0.007	-0.021	-0.026	0.019	0.025
	(0.022)	(0.021)	(0.031)	(0.03)	(0.042)	(0.044)
$R25_{t-1}$ * *male*	0.004	0.005	0.000	0.003	0.029	0.022
	(0.017)	(0.017)	(0.025)	(0.026)	(0.038)	(0.041)
$R50_{t-1}$	-0.019	-0.008	-0.020	-0.013	-0.031	0.013
	(0.025)	(0.026)	(0.037)	(0.041)	(0.047)	(0.036)
$R25_{t-1}$	-0.003	0.003	-0.004	0.023	-0.009	-0.054
	(0.031)	(0.029)	(0.043)	(0.046)	(0.043)	(0.042)
male	0.253	0.245	0.307	0.286	0.138	0.093
	(0.17)	(0.18)	(0.257)	(0.27)	(0.156)	(0.159)
District FE	x	x	x	x	x	x
District Rice Productivity	x	x	x	x	x	x
District-Year Trend		x		x		x
Observations	3,248	3,248	2,323	2,323	925	925
Cohorts	1978-91	1978-91	1978-91	1978-91	1978-91	1978-91
Districts	14	14	14	14	14	14

Notes: NFHS data. Wild cluster bootstrapped standard errors in parentheses. The sample in every column is children of birth order 1 only. All specifications include birth year fixed effects, year of interview fixed effects, indicators for household religion and caste, whether the household is rural, mother's educational attainment, and linear and quadratic terms of the mother's age at which the child is born. District covariates include sex ratio at birth, logs of *patta* land area distributed, number of medical institutions, and kilometres of surfaced road per capita and their corresponding interactions with the male child indicator. *** p<0.01, ** p<0.05, * p<0.1

Table A.4: Infant Mortality: With Cubic and Quartic Productivity Controls

	Infant Death					
	All Children		Hindu Children		Non-Hindu	
	(1)	(2)	(3)	(4)	(5)	(6)
*R50 $_{t-1}$ * firstson * male*	0.070	0.072	0.096*	0.097*	0.027	0.028
	(0.042)	(0.043)	(0.053)	(0.051)	(0.06)	(0.062)
*R50 $_{t-1}$ * male*	-0.041*	-0.041*	-0.065**	-0.067**	0.006	0.006
	(0.023)	(0.023)	(0.03)	(0.029)	(0.048)	(0.048)
*R50 $_{t-1}$ * firstson*	-0.035	-0.035	-0.059*	-0.057*	0.008	0.009
	(0.027)	(0.026)	(0.032)	(0.031)	(0.049)	(0.048)
R50 $_{t-1}$	-0.017	-0.014	0.015	0.019	-0.086*	-0.084*
	(0.02)	(0.017)	(0.018)	(0.018)	(0.043)	(0.044)
*firstson * male*	-0.029	-0.026	0.077	0.066	-0.216	-0.184
	(0.189)	(0.205)	(0.184)	(0.191)	(0.33)	(0.325)
male	-0.124	-0.124	-0.134	-0.134	-0.115	-0.116
	(0.143)	(0.147)	(0.119)	(0.119)	(0.299)	(0.311)
firstson	0.014	0.014	-0.050	-0.040	0.116	0.101
	(0.119)	(0.123)	(0.148)	(0.144)	(0.317)	(0.308)
District FE	x	x	x	x	x	x
District Rice Productivity^3	x	x	x	x	x	x
District Rice Productivity^4		x		x		x
ME: Boys, first-born brother	-0.022	-0.018	-0.013	-0.008	-0.044**	-0.041*
ME: Girls, first-born brother	-0.052***	-0.049***	-0.044**	-0.038*	-0.077*	-0.074*
ME: Boys, first-born sister	-0.058***	-0.055***	-0.050**	-0.048**	-0.080**	-0.078**
ME: Girls, first-born sister	-0.017	-0.014	0.014	0.019	-0.086**	-0.084**
Observations	8,367	8,367	5,448	5,448	2,919	2,919
Pre-Reform *y* Mean	0.098	0.098	0.107	0.107	0.074	0.074
Cohorts	1978-91	1978-91	1978-91	1978-91	1978-91	1978-91
Districts	14	14	14	14	14	14

Notes: NFHS data. *y* refers to the dependent variable. Wild cluster bootstrapped standard errors in parentheses. Samples include children of birth order 2 or higher. All specifications also include quadratic terms in district rice productivity, birth year fixed effects, birth order fixed effects, year of interview fixed effects, indicators for household religion and caste, whether the household is rural, mother's educational attainment, and linear and quadratic terms of the mother's age at which the child is born. District covariates include sex ratio at birth, logs of *patta* land area distributed, number of medical institutions, and kilometres of surfaced road per capita and their interactions with the male child and the first-born son indicators. *** p<0.01, ** p<0.05, * p<0.1

Table A.5: Infant Mortality: Mother Fixed Effects

	Infant Death		
	All Children	Hindu Children	Non-Hindu
	(1)	(2)	(3)
*R50 $_{t-1}$ * firstson * male*	0.080*	0.083*	0.060
	(0.040)	(0.047)	(0.052)
*R50 $_{t-1}$ * male*	-0.033	-0.040	-0.004
	(0.022)	(0.024)	(0.044)
*R50 $_{t-1}$ * firstson*	-0.038	-0.023	-0.071**
	(0.027)	(0.033)	(0.036)
R50 $_{t-1}$	-0.010	-0.010	-0.013
	(0.018)	(0.017)	(0.031)
*firstson * male*	-0.013	0.004	0.053
	(0.050)	(0.070)	(0.077)
male	-0.008	-0.006	-0.068
	(0.037)	(0.045)	(0.072)
Mother FE	x	x	x
District Covariates	x	x	x
District-Year Trend	x	x	x
Observations	8,367	5,448	2,919
Cohorts	1978-91	1978-91	1978-91
Districts	14	14	14

Notes: Wild cluster bootstrapped standard errors in parentheses. Samples include children of birth order 2 or higher. All specifications also include birth year fixed effects, birth order fixed effects, year of interview fixed effects, and linear and quadratic terms of the mother's age at which the child is born. Lagged district covariates include sex ratio at birth, logs of rice and cereal productivity, *patta* land area distributed, number of medical institutions, and kilometres of surfaced road per capita and their corresponding interactions with the male child and the first-born son indicators. *** p<0.01, ** p<0.05, * p<0.1

Table A.6: Infant Mortality: Showing Covariates including Rice Productivity

	Infant Death					
	All Children		Hindu Children		Non-Hindu Children	
	B. Or. 1	*B. Or. >1*	*B. Or. 1*	*B. Or. >1*	*B. Or. 1*	*B. Or. >1*
	(1)	(2)	(3)	(4)	(5)	(6)
$R50_{t-1}$ * *firstson* * *male*	-	0.068	-	0.094*	-	0.017
		(0.041)		(0.049)		(0.054)
$R50_{t-1}$ * *male*	-0.003	-0.039*	-0.004	-0.064**	-0.013	0.009
	(0.022)	(0.022)	(0.021)	(0.028)	(0.048)	(0.047)
$R50_{t-1}$ * *firstson*	-	-0.036	-	-0.060*	-	0.008
		(0.029)		(0.032)		(0.048)
$R50_{t-1}$	0.010	-0.001	0.022	0.017	-0.005	-0.079
	(0.02)	(0.020)	(0.028)	(0.019)	(0.030)	(0.046)
ln rice yield $_{t-1}$ * *firstson* * *male*	-	-0.057	-	-0.093	-	0.020
		(0.046)		(0.064)		(0.054)
ln rice yield $_{t-1}$ * *male*	0.069	-0.025	0.029	0.018	0.178	-0.102
	(0.041)	(0.038)	(0.048)	(0.052)	(0.093)	(0.067)
ln rice yield $_{t-1}$ * *firstson*	-	0.002	-	-0.026	-	0.053
		(0.039)		(0.052)		(0.054)
ln rice yield $_{t-1}$	0.014	-0.032	0.025	-0.003	0.041	-0.209**
	(0.039)	(0.039)	(0.058)	(0.042)	(0.096)	(0.088)
firstson * *male*	-	0.001	-	0.077	-	-0.107
		(0.159)		(0.193)		(0.266)
male	0.080	-0.141	0.141	-0.148	-0.105	-0.144
	(0.132)	(0.135)	(0.18)	(0.128)	(0.248)	(0.257)
firstson	-	0.007	-	-0.048	-	0.085
		(0.101)		(0.139)		(0.273)
District FE	Yes	Yes	Yes	Yes	Yes	Yes
District Covariates	x	x	x	x	x	x
District-Year Trend	x	x	x	x	x	x
Observations	3,248	8,367	2,323	5,448	925	2,919
Cohorts	1978-91	1978-91	1978-91	1978-91	1978-91	1978-91
Districts	14	14	14	14	14	14

Notes: Wild cluster bootstrapped standard errors in parentheses. All specifications also include birth year fixed effects, birth order fixed effects, year of interview fixed effects, indicators for household religion and caste, whether the household is rural, mother's educational attainment, and linear and quadratic terms of the mother's age at which the child is born. Lagged district covariates include sex ratio at birth, logs of *patta* land area distributed, number of medical institutions, and kilometres of surfaced road per capita and their corresponding interactions with the male child and the first-born son indicators. *** p<0.01, ** p<0.05, * p<0.1

Table A.7: Infant Mortality by Birth Order

	Infant Death					
	Birth Order 2			*Birth Order >2*		
	All	Hindu	Non-Hindu	All	Hindu	Non-
	(1)	(2)	(3)	(4)	(5)	(6)
$R50_{t-1}$ * *firstson* * *male*	0.035	0.062	0.043	0.077*	0.025	0.010
	(0.061)	(0.067)	(0.106)	(0.037)	(0.023)	(0.051)
$R50_{t-1}$ * *male*	-0.001	-0.019	-0.006	-0.052**	-0.084***	0.012
	(0.034)	(0.044)	(0.082)	(0.023)	(0.03)	(0.05)
$R50_{t-1}$ * *firstson*	-0.012	-0.028	-0.018	-0.045	-0.076**	0.016
	(0.038)	(0.039)	(0.09)	(0.031)	(0.035)	(0.046)
$R50_{t-1}$	-0.043	-0.001	-0.108	-0.001	0.106*	-0.058
	(0.042)	(0.043)	(0.093)	(0.022)	(0.054)	(0.041)
firstson * *male*	-0.001	0.227	-0.825	-0.045	-0.211	0.135
	(0.218)	(0.25)	(0.554)	(0.197)	(0.156)	(0.381)
male	0.237	0.055	0.790	-0.287	-0.071	-0.504
	(0.179)	(0.178)	(0.43)	(0.187)	(0.245)	(0.41)
firstson	-0.027	-0.234	0.740**	0.028	0.044	-0.089
	(0.184)	(0.211)	(0.325)	(0.171)	(0.169)	(0.367)
District FE	x	x	x	x	x	x
District Covariates	x	x	x	x	x	x
District-Year Trend	x	x	x	x	x	x
Observations	2,686	1,919	767	5,681	3,529	2,152
Cohorts	1978-91	1978-91	1978-91	1978-91	1978-91	1978-91
Districts	14	14	14	14	14	14

Notes: Wild cluster bootstrapped standard errors in parentheses. All specifications also include the birth year fixed effects, birth order fixed effects, year of interview fixed effects, indicators for household religion and caste, whether the household is rural, mother's educational attainment, and linear and quadratic terms of the mother's age at which the child is born. Lagged district covariates include sex ratio at birth, logs of *patta* land area distributed, number of medical institutions, and kilometres of surfaced road per capita and their corresponding interactions with the male child and the first-born son indicators. *** p<0.01, ** p<0.05, * p<0.1

Table A.8: Infant Mortality: Including Bihar Control Districts

	Infant Death								
	All Children			Hindu Children			Non-Hindu Children		
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
*R50 $_{t-1}$ * firstson * male*	0.049	0.065	0.065	0.072*	0.092*	0.091*	0.005	0.014	0.020
	(0.034)	(0.038)	(0.039)	(0.039)	(0.044)	(0.044)	(0.041)	(0.046)	(0.046)
*R50 $_{t-1}$ * male*	-0.049**	-0.048**	-0.048**	-0.065***	-0.071**	-0.070**	-0.013	-0.006	-0.006
	(0.021)	(0.024)	(0.023)	(0.026)	(0.03)	(0.031)	(0.030)	(0.038)	(0.038)
*R50 $_{t-1}$ * firstson*	-0.033	-0.039	-0.039	-0.066***	-0.067***	-0.065***	0.032	0.014	0.012
	(0.021)	(0.022)	(0.022)	(0.027)	(0.027)	(0.027)	(0.035)	(0.035)	(0.036)
R50 $_{t-1}$	0.011	0.010	-0.007	0.037**	0.034*	0.022	-0.054*	-0.045	-0.070**
	(0.016)	(0.017)	(0.02)	(0.019)	(0.018)	(0.019)	(0.033)	(0.033)	(0.038)
*firstson * male*	-0.009	0.000	0.000	-0.024	-0.012	-0.012	0.025	0.025	0.025
	(0.015)	(0.015)	(0.015)	(0.016)	(0.017)	(0.018)	(0.021)	(0.02)	(0.022)
male	0.026	0.027*	0.027	0.049***	0.044***	0.043***	-0.023	-0.011	-0.009
	(0.016)	(0.014)	(0.015)	(0.021)	(0.018)	(0.018)	(0.025)	(0.025)	(0.025)
firstson	0.008	0.005	0.004	0.018	0.019	0.019	-0.020	-0.033*	-0.036*
	(0.007)	(0.008)	(0.008)	(0.012)	(0.015)	(0.015)	(0.016)	(0.02)	(0.021)
District FE	x	x	x	x	x	x	x	x	x
District Rice Productivity		x	x		x	x		x	x
District-Year Trend			x			x			x
Observations	9,355	9,355	9,355	6,236	6,236	6,236	3,119	3,119	3,119
Cohorts	1978-91	1978-91	1978-91	1978-91	1978-91	1978-91	1978-91	1978-91	1978-91
Districts	19	19	19	19	19	19	19	19	19

Notes: Wild cluster bootstrapped standard errors in parentheses. Samples include children of birth order 2 or higher. All specifications also include birth year fixed effects, birth order fixed effects, year of interview fixed effects, indicators for household religion and caste, whether the household is rural, mother's educational attainment, and linear and quadratic terms of the mother's age at which the child is born. Specifications also include the district productivity controls and their corresponding interaction terms with the first-born son and female child indicators. *** p<0.01, ** p<0.05, * p<0.1

Table A.9: Sex Ratio at Birth: Cubic and Quartic Productivity Controls

	Child is Male					
Panel A: Birth Order 1	All Children		Hindu Children		Non-Hindu Children	
	(1)	(2)	(3)	(4)	(5)	(6)
$R50_{t-1}$	-0.022	-0.017	-0.075	-0.054	0.105	0.082
	(0.041)	(0.042)	(0.053)	(0.042)	(0.066)	(0.075)
Observations	3,248	3,248	2,323	2,323	925	925
Pre-Reform *y* Mean	0.449	0.449	0.433	0.433	0.488	0.488
Panel B: Birth Order >1	All Children		Hindu Children		Non-Hindu Children	
$R50_{t-1}$	0.036	0.032	0.057**	0.056**	0.016	0.010
	(0.024)	(0.023)	(0.026)	(0.026)	(0.032)	(0.033)
firstson	-0.007	-0.007	-0.009	-0.009	-0.006	-0.006
	(0.008)	(0.008)	(0.009)	(0.009)	(0.017)	(0.017)
District FE	x	x	x	x	x	x
District-Year Trend	x	x	x	x	x	x
District Rice Productivity ^3	x	x	x	x	x	x
District Rice Productivity ^4		x		x		x
Observations	8,367	8,367	5,448	5,448	2,919	2,919
Pre-Reform *y* Mean	0.098	0.098	0.107	0.107	0.074	0.074
Cohorts	1978-91	1978-91	1978-91	1978-91	1978-91	1978-91
Districts	14	14	14	14	14	14

Notes: NFHS data. *y* refers to the dependent variable. Wild cluster bootstrapped standard errors in parentheses. Samples in Panel A include children of birth order 1, and samples in Panel B include children of birth order 2 or higher. All specifications also include birth year fixed effects, birth order fixed effects, year of interview fixed effects, indicators for household religion and caste, whether the household is rural, mother's educational attainment, and linear and quadratic terms of the mother's age at which the child is born. District covariates include sex ratio at birth, logs of *patta* land area distributed, number of medical institutions, and kilometres of surfaced road per capita and their interactions with the male child and the first-born son indicators. Specifications including cubic and quartic terms in district rice productivity also include quadratic terms in the same. *** p<0.01, ** p<0.05, * p<0.1

Table A.10: Sex Ratios: Showing Covariates including Rice Productivity

	Child is Male					
	All Children		Hindu Children		Non-Hindu Children	
	B. Or. 1	*B. Or. >1*	*B. Or. 1*	*B. Or. >1*	*B. Or. 1*	*B. Or. >1*
	(1)	(2)	(3)	(4)	(5)	(6)
$R50_{t-1}$ * *firstson*	-	-0.012	-	-0.012	-	-0.005
		(0.021)		(0.024)		(0.048)
$R50_{t-1}$	-0.011	0.040	-0.058	0.051*	0.109	0.033
	(0.036)	(0.026)	(0.048)	(0.029)	(0.063)	(0.041)
ln rice yield $_{t-1}$ * *firstson*	-	0.091	-	0.188	-	-0.017
		(0.089)		(0.123)		(0.226)
ln rice yield $_{t-1}$	-0.085	-0.015	-0.055	-0.033	-0.188	-0.013
	(0.098)	(0.030)	(0.129)	(0.038)	(0.129)	(0.089)
firstson	-	-0.019	-	0.016	-	-0.086
		(0.051)		(0.051)		(0.093)
District FE	x	x	x	x	x	x
District Covariates	x	x	x	x	x	x
District-Year Trend	x	x	x	x	x	x
Observations	3,248	8,367	2,323	5,448	925	2,919
Cohorts	1978-91	1978-91	1978-91	1978-91	1978-91	1978-91
Districts	14	14	14	14	14	14

Notes: Wild cluster bootstrapped standard errors in parentheses. All specifications also include birth year fixed effects, birth order fixed effects, year of interview fixed effects, indicators for household religion and caste, whether the household is rural, mother's educational attainment, and linear and quadratic terms of the mother's age at which the child is born. Lagged district covariates include sex ratio at birth, logs of *patta* land area distributed, number of medical institutions, and kilometres of surfaced road per capita and their corresponding interactions with the male child and the first-born son indicators. *** p<0.01, ** p<0.05, * p<0.1

Table A.11: Son-Biased Fertility Stopping: Cubic and Quartic Productivity Controls

	Child is Male					
Panel A: Birth Order 1	All Children		Hindu Children		Non-Hindu Children	
	(1)	(2)	(3)	(4)	(5)	(6)
$R50_{t-1}$ * *male*	-0.009	-0.009	-0.034	-0.033	0.031	0.034
	(0.02)	(0.019)	(0.030)	(0.031)	(0.042)	(0.039)
$R25_{t-1}$ * *male*	0.008	0.011	0.009	0.015	0.017	0.007
	(0.019)	(0.019)	(0.030)	(0.026)	(0.042)	(0.038)
$R50_{t-1}$	-0.019	-0.016	-0.022	-0.015	0.002	-0.007
	(0.025)	(0.024)	(0.038)	(0.037)	(0.033)	(0.043)
$R25_{t-1}$	-0.022	-0.024	-0.009	-0.010	-0.062**	-0.059**
	(0.031)	(0.028)	(0.048)	(0.044)	(0.040)	(0.038)
male	0.242	0.228	0.276	0.239	0.101	0.156
	(0.162)	(0.149)	(0.250)	(0.252)	(0.183)	(0.202)
Observations	3,248	3,248	2,323	2,323	925	925
Pre-Reform *y* Mean	0.797	0.797	0.782	0.782	0.834	0.834
Panel B: Birth Order >1						
$R50_{t-1}$ * *firstson*	0.011	0.014	0.000	0.004	0.012	0.012
	(0.042)	(0.039)	(0.050)	(0.045)	(0.05)	(0.043)
$R25_{t-1}$ * *firstson*	-0.130***	-0.131***	-0.124***	-0.127***	-0.179**	-0.172**
	(0.056)	(0.057)	(0.052)	(0.057)	(0.085)	(0.077)
$R50_{t-1}$	-0.052*	-0.028	-0.039	-0.017	-0.096*	-0.063
	(0.03)	(0.029)	(0.037)	(0.038)	(0.05)	(0.043)
$R25_{t-1}$	-0.008	0.007	-0.047	-0.026	0.048	0.047
	(0.064)	(0.063)	(0.086)	(0.083)	(0.097)	(0.077)
firstson	-0.279	-0.265	-0.440	-0.428	0.121	0.119
	(0.216)	(0.185)	(0.295)	(0.26)	(0.133)	(0.123)
District FE	x	x	x	x	x	x
District-Year Trend	x	x	x	x	x	x
District Rice Productivity ^3	x	x	x	x	x	x
District Rice Productivity ^4		x		x		x
Observations	2,686	2,686	1,919	1,919	767	767
Pre-Reform *y* Mean	0.839	0.839	0.808	0.808	0.952	0.952
Cohorts	1978-91	1978-91	1978-91	1978-91	1978-91	1978-91
Districts	14	14	14	14	14	14

Notes: NFHS data. *y* refers to the dependent variable. Wild cluster bootstrapped standard errors in parentheses. Samples in Panel A include children of birth order 1, and samples in Panel B include children of birth order 2 or higher. All specifications also include birth year fixed effects, birth order fixed effects, year of interview fixed effects, indicators for household religion and caste, whether the household is rural, mother's educational attainment, and linear and quadratic terms of the mother's age at which the child is born. District covariates include sex ratio at birth, logs of *patta* land area distributed, number of medical institutions, and kilometres of surfaced road per capita and their interactions with the male child and the first-born son indicators. Specifications including cubic and quartic terms in district rice productivity also include quadratic terms in the same. *** p<0.01, ** p<0.05, * p<0.1

Table A.12: Fertility: Including Bihar Control Districts

	Child Has a Younger Sibling								
	All Children			Hindu Children			Non-Hindu Children		
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
$R50_{t-1}$ * *firstson*	0.001	-0.001	-0.001	0.001	0.000	0.004	0.005	-0.010	-0.014
	(0.046)	(0.044)	(0.043)	(0.051)	(0.052)	(0.051)	(0.056)	(0.047)	(0.047)
$R25_{t-1}$ * *firstson*	-0.094***	-0.096**	-0.100**	-0.085**	-0.083*	-0.091**	-0.157**	-0.183**	-0.176**
	(0.035)	(0.044)	(0.046)	(0.036)	(0.043)	(0.044)	(0.063)	(0.076)	(0.077)
$R50_{t-1}$	-0.036	-0.034	-0.041	-0.018	-0.017	-0.034	-0.085*	-0.078*	-0.070
	(0.027)	(0.027)	(0.031)	(0.031)	(0.033)	(0.039)	(0.048)	(0.044)	(0.043)
$R25_{t-1}$	0.028	0.015	-0.018	0.033	0.020	-0.047	0.014	0.002	0.045
	(0.034)	(0.040)	(0.057)	(0.046)	(0.053)	(0.078)	(0.043)	(0.036)	(0.071)
firstson	-0.008	-0.008	-0.003	-0.029	-0.029	-0.023	0.080**	0.076*	0.065
	(0.022)	(0.021)	(0.02)	(0.026)	(0.025)	(0.022)	(0.037)	(0.042)	(0.046)
District FE	x	x	x	x	x	x	x	x	x
District Rice Productivity		x	x		x	x		x	x
District-Year Trend			x			x			x
Observations	2,935	2,935	2,935	2,126	2,126	2,126	809	809	809
Cohorts	1978-91	1978-91	1978-91	1978-91	1978-91	1978-91	1978-91	1978-91	1978-91
Districts	14	14	14	14	14	14	14	14	14

Notes: Wild cluster bootstrapped standard errors in parentheses. The sample in each specification is children of birth order 2. All specifications also include birth year fixed effects, year of interview fixed effects, indicators for household religion and caste, whether the household is rural, mother's educational attainment, and linear and quadratic terms of the mother's age at which the child is born. Specifications also include the district productivity controls and their corresponding interaction terms with the first-born son indicator. *** p<0.01, ** p<0.05, * p<0.1

Table A.13: Fertility: Showing Covariates including Rice Productivity

	Child has a Younger Sibling					
	All Children		Hindu Children		Non-Hindu Children	
	B. Ord. 1	*B. Ord. 2*	*B. Ord. 1*	*B. Ord. 2*	*B. Ord. 1*	*B. Ord. 2*
	(1)	(2)	(4)	(5)	(7)	(8)
*R50 $_{t-1}$ * firstson*	-	0.012	-	0.009	-	0.020
		(0.045)		(0.052)		(0.054)
*R25 $_{t-1}$ * firstson*	-	-0.116**	-	-0.108**	-	-0.181**
		(0.054)		(0.052)		(0.081)
*R50 $_{t-1}$ * male*	-0.007	-	-0.026	-	0.025	-
	(0.021)		(0.030)		(0.044)	
*R25 $_{t-1}$ * male*	0.005	-	0.003	-	0.022	-
	(0.017)		(0.026)		(0.041)	
R50 $_{t-1}$	-0.008	-0.048	-0.013	-0.038	0.013	-0.096*
	(0.026)	(0.032)	(0.041)	(0.038)	(0.036)	(0.052)
R25 $_{t-1}$	0.003	-0.020	0.023	-0.059	-0.054	0.041
	(0.029)	(0.060)	(0.046)	(0.082)	(0.042)	(0.09)
*ln rice yield $_{t-1}$ * firstson*	-	-0.086	-	-0.084	-	-0.051
		(0.077)		(0.091)		(0.051)
*ln rice yield $_{t-1}$ * male*	-0.026	-	-0.036	-	-0.001	-
	(0.038)		(0.045)		(0.069)	
ln rice yield $_{t-1}$	-0.004	-0.061	-0.015	-0.047	0.091	-0.088
	(0.047)	(0.075)	(0.064)	(0.088)	(0.109)	(0.091)
male	0.245	-	0.286	-	0.093	-
	(0.18)		(0.270)		(0.159)	
firstson	-	-0.201	-	-0.347	-	0.199
		(0.198)		(0.258)		(0.132)
District FE	Yes	Yes	Yes	Yes	Yes	Yes
District Covariates	x	x	x	x	x	x
District-Year Trend	x	x	x	x	x	x
Observations	3,248	2,686	2,323	1,919	925	767
Cohorts	1978-91	1978-91	1978-91	1978-91	1978-91	1978-91
Districts	14	14	14	14	14	14

Notes: Wild cluster bootstrapped standard errors in parentheses. Specifications also include birth year fixed effects, year of interview fixed effects, indicators for household religion and caste, whether the household is rural, mother's educational attainment, and linear and quadratic terms of the mother's age at which the child is born. Lagged district covariates include sex ratio at birth, logs of *patta* land area distributed, number of medical institutions, and kilometres of surfaced road per capita and their corresponding interactions with the male child and the first-born son indicators. *** p<0.01, ** p<0.05, * p<0.1

Table A.14: Sex Ratio at Birth: by Birth Order

	Child is Male					
	Birth Order 2			*Birth Order >2*		
	All	Hindu	Non-Hindu	All	Hindu	Non-Hindu
	(1)	(2)	(3)	(4)	(5)	(6)
$R50_{t-1}$ * *firstson*	0.006	-0.005	0.011	-0.024	-0.026	-0.004
	(0.044)	(0.044)	(0.093)	(0.033)	(0.040)	(0.041)
$R50_{t-1}$	0.055	0.133**	-0.126	0.043	0.026	0.089
	(0.050)	(0.054)	(0.133)	(0.033)	(0.033)	(0.065)
firstson	-0.032	-0.021	-0.052	0.154	0.263	0.024
	(0.225)	(0.372)	(0.400)	(0.174)	(0.173)	(0.245)
District FE	x	x	x	x	x	x
District Covariates	x	x	x	x	x	x
District-Year	x	x	x	x	x	x
Observations	2,686	1,919	767	5,681	3,529	2,152
Cohorts	1978-91	1978-91	1978-91	1978-91	1978-91	1978-91
Districts	14	14	14	14	14	14

Notes: Wild cluster bootstrapped standard errors in parentheses. All specifications also include birth year fixed effects, birth order fixed effects, year of interview fixed effects, indicators for household religion and caste, whether the household is rural, mother's educational attainment, and linear and quadratic terms of the mother's age at which the child is born. Lagged district covariates include sex ratio at birth, logs of rice and cereal productivity, *patta* land area distributed, number of medical institutions, and kilometres of surfaced road per capita and their corresponding interactions with the male child and the first-born son indicators. *** p<0.01, ** p<0.05, * p<0.1