

## Supplementary Online Content

Foster DG, Biggs MA, Raifman S, Gipson J, Kimport K, Rocca CH. Comparison of Health, Development, Maternal Bonding, and Poverty Among Children Born After Denial of Abortion vs After Pregnancies Subsequent to an Abortion. *JAMA Pediatr*. Published online September 04, 2018. doi:10.1001/jamapediatrics.2018.1785

Supplement. eTable. Sensitivity Analyses: Outcomes of Children Born From a Denied Abortion Compared With Those Born to Women Subsequent to Receiving an Abortion

eFigure. Study Flow

This supplementary material has been provided by the authors to give readers additional information about their work.

**eTable.** Sensitivity Analyses: Outcomes of Children Born From a Denied Abortion Compared With Those Born to Women Subsequent to Receiving an Abortion

			Main model		Further adjustment for confounding		Reference group Near limits rather than all abortion	
		Adjusted odds ratio or regression coefficient	Effect estimate	95% Confidence Interval	Effect estimate	95% Confidence Interval	Effect estimate	95% Confidence Interval
<b>Perinatal, one observation per child</b>								
	Low birth weight	aOR	0.50	[0.20, 1.27]	0.56	[0.21, 1.45]	0.63	[0.22, 1.85]
	Premature	aOR	0.45	[0.19, 1.07]	0.48	[0.20, 1.18]	0.44	[0.17, 1.15]
	Healthy at birth	aOR	1.08	[0.33, 3.56]	1.01	[0.30, 3.39]	0.87	[0.17, 4.44]
	Short birth interval	aOR	5.87	[2.33, 14.80]	7.34	[2.80, 19.21]	5.54	[1.86, 16.49]
	Spent any time in NICU	aOR	0.96	[0.45, 2.01]	0.93	[0.44, 2.00]	1.07	[0.45, 2.56]
<b>Child health</b>								
	Physical disability, past 6 months	aOR	2.64	[0.48, 14.61]	2.50	[0.46, 13.45]	1.50	[0.26, 8.59]
	Injury, past 6 months	aOR	1.91	[1.02, 3.59]	1.80	[0.96, 3.39]	1.57	[0.80, 3.07]
	Asthma	aOR	1.23	[0.15, 10.08]	1.46	[0.17, 12.64]	3.37	[0.22, 51.08]
	Breastfeeding, under age 6 months							
	Any breastfeeding	aOR	0.64	[0.37, 1.09]	0.71	[0.41, 1.24]	0.85	[0.47, 1.56]
	Exclusive breastfeeding	aOR	1.23	[0.61, 2.49]	1.28	[0.62, 2.63]	1.40	[0.63, 3.12]
<b>Child development, based on PEDS: Developmental Milestones</b>								
	Fine motor	aOR	0.72	[0.48, 1.07]	0.72	[0.49, 1.08]	0.53	[0.33, 0.85]
	Self-help	aOR	1.31	[0.97, 1.75]	1.33	[0.99, 1.79]	1.36	[0.98, 1.89]
	Receptive language	aOR	1.35	[0.99, 1.82]	1.37	[1.01, 1.86]	1.47	[1.05, 2.04]
	Gross motor	aOR	0.66	[0.49, 0.88]	0.67	[0.50, 0.90]	0.62	[0.44, 0.88]
	Social emotional	aOR	0.88	[0.61, 1.28]	0.91	[0.63, 1.32]	0.84	[0.55, 1.29]
	Expressive language	aOR	0.81	[0.51, 1.27]	0.82	[0.52, 1.29]	0.68	[0.40, 1.15]
	Overall percentage	aCoef.	-0.01	[-0.03, 0.01]	-0.01	[-0.03, 0.01]	-0.01	[-0.04, 0.01]
<b>Maternal bonding (under 18 months)</b>								
	Postpartum Bonding Questionnaire (PBQ), mean (SD)	coef.	1.34	[0.48, 2.19]	1.49	[0.64, 2.34]	1.31	[0.37, 2.25]
	Poor maternal bonding	aOR	5.14	[1.48, 17.85]	5.83	[1.67, 20.33]	5.06	[1.30, 19.69]

<b>Socioeconomics and household structure</b>								
Child lives with mother		N/A	N/A					
Mother lives with a male partner	aOR	0.22	[0.09, 0.52]	0.27	[0.12, 0.64]	0.24	[0.09, 0.60]	
Mother lives with adult family members	aOR	5.35	[2.16, 13.28]	4.14	[1.70, 10.12]	4.63	[1.73, 12.40]	
Mother lives without family or male partner	aOR	1.32	[0.60, 2.88]	1.34	[0.61, 2.95]	1.21	[0.50, 2.91]	
Public Assistance-WIC	aOR	1.12	[0.75, 1.67]	1.05	[0.71, 1.55]	1.06	[0.68, 1.65]	
Public Assistance-TANF	aOR	1.57	[0.68, 3.61]	1.37	[0.60, 3.13]	1.35	[0.54, 3.40]	
Public assistance-Food stamps	aOR	0.93	[0.53, 1.61]	0.82	[0.48, 1.40]	0.68	[0.37, 1.26]	
Household income below FPL	aOR	1.82	[0.94, 3.55]	1.31	[0.69, 2.48]	1.95	[0.92, 4.12]	
Not enough money to meet basic living needs	aOR	5.16	[2.34, 11.40]	4.61	[2.19, 9.71]	4.62	[2.00, 10.66]	
Percent of FPL, mean (SD)	coeff.	-0.31	[-0.52, -0.10]	-0.22	[-0.42, -0.02]	-0.20	[-0.43, 0.02]	
<p>Models compare index children (reference) to children born subsequent to abortion, using mixed effects regression adjusting for covariates (maternal race/ethnicity, maternal age at time of recruitment, birth order (1 vs 2+), sex of child, and, except for perinatal outcomes, child's age at interview) and for clustering by child and site; Perinatal birth outcomes are based on one observation per child and include children placed for adoption. All other analyses, with the exception of child lives with mother, are based on multiple observations per child but exclude 15 index children placed for adoption; breastfeeding outcomes were limited to infants less than 6 months of age (317 observations) and maternal bonding to children under age 1.5 (836 observations); aOR=adjusted odds ratio; coeff.=regression coefficient; SD=Standard Deviation; WIC=Women, Infant, and Children Program; TANF=Temporary Assistance for Needy Families; FPL= Federal Poverty Level; poor bonding = PBQ&gt;11.</p>								

**eFigure. Study Flow**

