

Does Partner Support Improve Pregnancy Outcomes For Black Teen Mothers with Mistimed Births

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Research Question

"Father involvement has other positive effects on MCH outcomes."

--ASSOCIATION OF MATERNAL & CHILD HEALTH PROGRAMS

Question:

How does partner support influence the risk of poor pregnancy outcomes (preterm birth, low birth weight) among Black teen mothers with mistimed births?



Methods

Outcome Variables:

- Pregnancy outcomes: LBW, Preterm birth
- Maternal health behaviors: Early prenatal care, Smoking, Weight gain
- Postpartum behaviors: Breastfeeding, postpartum depression

SAS software version 9.3 complex survey modules were utilized for all analysis

- Descriptive statistics were presented with Rao-Scott chi-square tests
- Multivariate logistic regression were used to assess low birth weight births among target population.



Sample Size: 1333 Black teen mothers reported mistimed births in PRAMS.

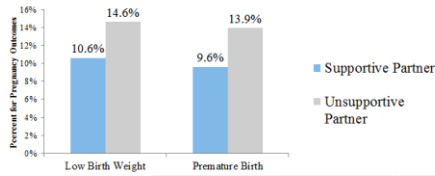
Black Teen Mothers With Mistimed Births

Partner Support & Pregnancy Outcome



Rao-Scott chi-square tests Results

Percent of Low Birth Weight Births & Premature Births for Black Teen Mothers with Mistimed Births



		Supportive Partner	Unsupportive Partner	Significance (P>.05)
Low Birth Weight	Low birth weight	10.6%	14.6%	Yes
	Normal	89.4%	85.4%	
Premature Births	Premature birth	9.6%	13.9%	
	normal	90.4%	86.1%	

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Multivariate Logistic Model



Odds Ratios for Low Birth Weight among Black Mothers with Mistimed Births; PRAMS 2009-2011

Predictors	Adjusted OR	95% Confidence Interval	Pr > ChiSq
Supportive partner vs Unsupportive partner	0.67	(0.463, 0.957)	0.028
Married vs Unmarried	0.45	(0.117, 1.758)	0.252
More than 12 years vs 12 years or less	0.81	(0.426, 1.549)	0.527
Medicaid vs Uninsured	1.43	(0.502, 4.094)	0.589
Private vs Uninsured	1.13	(0.357, 3.543)	0.570
Other vs Uninsured	1.76	(0.523, 5.92)	0.287
Early prenatal care vs Late or No prenatal Care	0.80	(0.558, 1.153)	0.233
Smoking vs No smoking	0.89	(0.451, 1.757)	0.736
Intimate Partner Violence vs No IPV	0.93	(0.432, 1.986)	0.845

Black teen mothers with mistimed births, who had partner support, were nearly 33% less likely to report low birth weight births as compared to those who did not have partner support.

Results



For Black teen mothers with mistimed births,

- There is significant relationship between disparities in partner support and mothers' education attainment, insurance coverage, and intimate partner violence during pregnancy.
- There is no significant relationship between partner support and pregnancy health behaviors.
- There is significant relationship between having partner support and postpartum depression.
- Mothers having partner support were less likely to report low birth weight births [OR:.67, 95% CI:(.46-.96)] as compared to those who lacked partner support.

Recommendations



- Strategic approaches developed and implemented through community programs might promote partner support and involvement for teen pregnancy.
- Policies and practices developed might change role of fathers and support father involvement as a way to enhance teen mothers' and children's health and well-being.

Does Partner Support Improve Pregnancy Outcome for Black Teen Mothers with Mistimed Births?



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Questions?

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Thanks for coming!

I hope you enjoyed it!

