

Supplementary Tables

Manuscript Title: Influence of sexually transmitted infections in pregnant adolescents on preterm delivery and chorioamnionitis

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Supplementary Table 1. Demographic and reproductive history characteristics, STI diagnosis, and pregnancy outcomes for 739 study participants – By County Type

Characteristic*	Total N	Primary Catchment Counties (n=606)	Referral Counties (n=133)	p- value
<i>Demographic</i>				
Age (Median)	739	18 (17-19)	18 (17-19)	0.45
Age	739			0.75
13-15		30 (5.0)	6 (4.5)	
16-17		159 (26.2)	31 (23.3)	
18-19		417 (68.8)	96 (72.2)	
Marital status	738			0.11
Single		556 (91.8)	115 (87.1)	
Married		46 (7.6)	14 (10.6)	
Divorced/separated		4 (0.7)	3 (2.3)	
Race	737			<0.001
White		303 (50.2)	108 (81.2)	
Black		252 (41.7)	16 (12.0)	
Other†		49 (8.1)	9 (6.8)	
Smoking status	727			<0.01
Never		350 (58.2)	59 (46.8)	
Ever‡		97 (16.1)	18 (14.3)	
Yes		154 (25.6)	49 (38.9)	
<i>Reproductive History</i>				
Gravidity	739	1 (1,1)	1 (1,1)	0.33
Parity	739	0 (1,1)	0 (0,1)	0.45
<i>Sexually Transmitted Infections</i>				
Any STI	739	108 (17.8)	14 (10.5)	0.04
<i>N. gonorrhoeae</i>	739	20 (3.3)	3 (2.2)	0.53
<i>C. trachomatis</i>	739	87 (14.4)	10 (7.5)	0.03
<i>T. vaginalis</i>	739	23 (3.8)	4 (3.0)	0.66
<i>Pregnancy Outcomes</i>				
Pre-eclampsia	739	30 (5.0)	15 (11.3)	<0.01
Cesarean section	737	147 (24.3)	38 (28.8)	0.28
Gestational age at delivery	739			<0.001
<34 weeks		40 (6.6)	34 (25.6)	
34-36 weeks		51 (8.4)	14 (10.5)	
37-38 weeks		138 (22.8)	40 (30.1)	

≥39 weeks		377 (62.2)	45 (33.8)	
Preterm birth	739	91 (15.0)	48 (36.1)	<0.001
Any Chorioamnionitis	738	95 (15.7)	17 (12.8)	0.40
Clinical Chorioamnionitis	708	21 (3.6)	1 (0.8)	0.09
Chorioamnionitis by Placental Pathology	381	85 (28.5)	16 (19.3)	0.09

Supplementary Table 2. Associations between sexually transmitted infections and preterm birth and chorioamnionitis – Primary Catchment Counties Only

Diagnosed STI	Preterm Birth					Any Chorioamnionitis						
	Yes (N=91) n (%)	No (N=515) n (%)	Unadjusted PR (95% CI)		Adjusted PR _s (95% CI)		Yes (N=95) n (%)	No (N=510) n (%)	Unadjusted PR (95% CI)		Adjusted PR (95% CI)	
Any STI	18 (19.8)	90 (17.5)	1.14	(0.71, 1.82)	1.13	(0.71, 1.81)	21 (22.1)	87 (17.1)	1.31	(0.84, 2.02)	1.31	(0.85, 2.02)
<i>N. gonorrhoeae</i>	0 (0.0)	20 (3.9)	-	-	-	-	3 (3.2)	17 (3.3)	0.95	(0.33, 2.76)	0.93	(0.33, 2.64)
<i>C. trachomatis</i>	16 (17.6)	71 (13.8)	1.27	(0.78, 2.08)	1.27	(0.78, 2.08)	16 (16.8)	71 (13.9)	1.21	(0.74, 1.96)	1.22	(0.75, 1.99)
<i>T. vaginalis</i>	5 (5.5)	18 (3.8)	1.47	(0.66, 3.28)	1.37	(0.64, 2.93)	8 (8.4)	15 (2.9)	2.33	(1.29, 4.21)	2.19	(1.22, 3.92)

* Results reported as n(%) or median (inter-quartile range)

† Including participants identifying as Asian, American Indian, American Native, multiracial, or other

‡ Including participants reporting quitting or no smoking during this pregnancy

Abbreviation: STI-sexually transmitted infection

§ Adjusted *a priori* for age, race, and smoking status