

Appendix 1. Sample Distribution for Selected Covariates by Change in Pre-exposure Prophylaxis Eligibility During Pregnancy

Covariates	Women ineligible for PrEP at first ANC	Change in PrEP Eligibility		
		No	Yes	P
Total (%)	1515 (92.55)	1471 (89.86)	44 (2.69)	
Age mean \pm SD	27.92 \pm 6.17	28.12 \pm 6.13	21.25 \pm 3.06	<.001
Parity median (IQR)	1(0-2)	1(0-2)	0(0-1)	0.25
Race				
African American (%)	862(56.9)	822(55.9)	40(90.9)	<.001
White (%)	502(33.1)	499(33.9)	3(6.8)	
Hispanic (%)	22(1.5)	21(1.4)	1(2.3)	
Asian & other (%)	129(8.5)	129(8.8)	0(0.0)	
Marital status				
Single/never married	798(52.7)	756(51.4)	42(95.5)	<.001
Married (%)	690(45.5)	688(46.8)	2(4.5)	
Separated/divorced/widowed (%)	27(1.8)	27(1.8)	0(0.0)	
Education				
<HS graduate (%)	262(17.3)	249(16.9)	13(29.5)	<.001
HS diploma (%)	418(27.6)	394(26.8)	24(54.5)	
<4 years in college (%)	256(16.9)	249(16.9)	7(15.9)	
Bachelor & postgraduate (%)	570(37.6)	570(38.7)	0(0.0)	
Private insurance (%)	713(47.1)	709(48.2)	4(9.1)	<.001
History of mental illness (%)	243(16.0)	236(16.0)	7(15.9)	0.98
History of substance use (%)	216(14.3)	209(14.2)	7(15.9)	0.75
Smoking regularly in pregnancy (%)	132(8.7)	129(8.8)	3(6.8)	0.65
History of any STI (%)	501(33.1)	481(32.7)	20(45.5)	0.08
GA at first ANC median (IQR)	10.7 (8.4-17.1)	10.6 (8.3-17.1)	11.3 (9.6-19.1)	0.13

Missing values were handled using listwise deletion (10 (0.6%) for education, 25 (1.5%) for insurance, 2 (0.12%) for GA at first ANC)

PrEP: Pre-Exposure Prophylaxis, ANC: antenatal care, HS: high-school, STI: sexually transmitted infections, GA: gestational age; SD: standard deviation, IQR: interquartile range

Boldface indicates p-value < 0.05

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Appendix 2. Unadjusted and Adjusted Odds Ratio for Logistic Regressions of Change in Pre-exposure Prophylaxis Eligibility on Selected Covariates

Covariates	Change in PrEP Eligibility			
	uOR (95%CI)	P	aOR* (95%CI)	P
Age (change per 1 year increase)	0.8 (0.7-0.8)	<.001	0.8 (0.7-0.9)	<.001
Parity (change per 1 child increase)	0.8 (0.6-1.1)	0.2	1.3 (0.9-1.9)	0.2
African American (ref: White/Hispanic/Asian & other)	7.9 (2.8-22.2)	<.001	1.2 (0.4-3.7)	0.78
Single (ref: married/separated/divorced/widowed)	19.9 (4.8-82.4)	<.001	3.8 (0.8-17.9)	0.09
Less than high school education (ref: high school diploma or higher education)	0.5 (0.3-1.0)	0.03	2.0 (1.0-4.3)	0.07
Private insurance (ref: public insurance)	0.1 (0.0-0.3)	<.001	0.4 (0.1-1.1)	0.08
History of mental illness (ref: no history of mental illness)	1.0 (0.4-2.3)	0.98		
History of substance use (ref: no history of substance use)	1.1 (0.5-2.6)	0.75		
Smoking regularly in pregnancy (ref: no smoking in pregnancy)	0.8 (0.2-2.5)	0.65		
History of any STI (ref: no history of STI)	1.7 (0.9-3.1)	0.08	0.9 (0.5-1.8)	0.85
GA at first ANC (change per 1 week increase in GA)	1.0 (1.0-1.1)	0.58	1.0 (0.9-1.0)	0.19

*Adjusted for age, parity, African American race, single marital status, private insurance, history of STIs, and GA at first ANC, on the basis of the smallest AIC: 329.5
Hosmer-Lemeshow GOF P-value: 0.89; C-statistic: 0.85; Mean VIF: 1.52
PrEP: Pre-Exposure Prophylaxis, ANC: antenatal care, STI: sexually transmitted infections, GA: gestational age; uOR: unadjusted odds ratio, aOR: adjusted OR, 95%CI: 95% confidence interval
Boldface indicates p-value < 0.05

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