Supplemental material

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Sex Transm Infect

Supplemental Table 2. Association between participant characteristics and syphilis status among women at-risk for HIV (n=1,282)

Variable	Syphilis Negative n=1,226 (95.6%)	Syphilis Positive n=56 (4.37%)	Crude OR (95% CI)	p-value	Adjusted OR (95% CI)	p-value
Demographics						
Age category				0.004		0.005
16-29 years	406 (33.1%)	6 (10.7%)	0.22 (0.07-0.64)	0.006	0.14 (0.04-0.47)	0.002
30-39 years	418 (34.1%)	30 (53.6%)	1.06 (0.47-2.37)	0.890	0.58 (0.22-1.52)	0.264
40-49 years	284 (23.2%)	12 (21.4%)	0.62 (0.25-1.56)	0.314	0.37 (0.13-1.02)	0.055
≥50 years	118 (9.6%)	8 (14.3%)	Ref	Ref	Ref	Ref
Black Race	773 (63.1%)	49 (87.5%)	4.10 (1.84-9.13)	<0.001	3.82 (1.68-8.68)	0.001
Hispanic Ethnicity	286 (23.3%)	6 (10.7%)	0.39 (0.17-0.93)	0.033		
Single Relationship status	805 (65.8%)	30 (54.6%)	0.62 (0.36-1.08)	0.090		
Low Income <12,000 USD/yr	668 (56.8%)	41 (77.4%)	2.60 (1.35-5.00)	0.004	2.08 (1.06-4.05)	0.032
Self-reported history of syphilis	4 (0.3%)	8 (14.3%)	53.1 (15.4-182.8)	<0.001		
Currently pregnant	24 (2.0%)	3 (5.4%)	2.86 (0.83-9.81)	0.094		
Recent cohort	313 (25.5%)	10 (17.9%)	0.63 (0.32-1.27)	0.199	0.31 (0.13-0.71)	0.006
Southern enrollment sites	229 (18.7%)	5 (8.9%)	0.43 (0.17-1.08)	0.073		
Medical Comorbidities						
Hepatitis C Antibody Positive	231 (18.8%)	15 (27.3%)	1.62 (0.88-2.97)	0.124		
Drug and Alcohol Use						
Problem alcohol use (>7 drinks/wk)	213 (17.6%)	17 (30.4%)	2.04 (1.13-3.67)	0.018	1.78 (0.95-3.34)	0.073
Active or prior drug use	980 (80.1%)	50 (89.3%)	2.08 (0.88-4.90)	0.10		
Active or prior injection drug use	260 (21.2%)	10 (17.9%)	0.81 (0.40-1.62)	0.549		
Sexual History						
Number of lifetime sex partners				0.842		
>100 partners	86 (7.0%)	5 (8.9%)	1.33 (0.50-3.53)	0.562		
11-100 partners	452 (36.9%)	21 (37.5%)	1.07 (0.60-1.88)	0.827		
0-10 partners	688 (56.1%)	30 (53.6%)	Ref	Ref		
History of transactional sex	424 (34.7%)	33 (58.9%)	2.70 (1.57-4.66)	<0.001		

Note: Values expressed as N (% of non-missing results); POR=prevalence odds ratio; 95% CI=95% confidence interval; Reference levels for variables: age (≥ 50 years old), race (white, Asian, Native American, Pacific Islander, and other), ethnicity (non-Hispanic), relationship status (married/living with a partner), income (≥12,000 USD), self-reported history of syphilis (no self-reported history of syphilis), currently pregnant (not pregnant), enrollment cohort (1994-1995 and 2001-2002); enrollment sites (non-Southern sites: Bronx, NY, Brooklyn, NY, Washington, D.C., Los Angeles, CA, San Francisco, CA, and Chicago, IL); Hepatitis C (negative), problem alcohol use (≤7 drinks a week); active or historical use of cocaine/crack, heroin, methamphetamines, or other non-IDU drugs (no active or historical drug use); number of lifetime sex partners (0-10 lifetime partners); and history of transactional sex (reporting never having sex for drugs, money, or shelter); Missing data: Income (N=52, 4.1%), self-reported history of syphilis (N=2, 0.2%), currently pregnant (N=13, 1.0%),marital status (N=3, 0.2%), HCV antibody (N=1, 0.1%), alcohol use (N=17, 1.3%), transactional sex (N=4, 0.3%), active or historical use of cocaine/crack, heroin, methamphetamines, or other non-IDU drugs (N=2, 0.2%); In the multivariable model for women without HIV, there were 1,282 women of which data for 1,213 were used. Backward selection with an alpha level of removal of 0.2 was used; and, the following variables were removed from the model: active or historical use of cocaine/crack, heroin, methamphetamines, or other non-IDU drugs; Hepatitis C, and lifetime number of sex partners.