

Supplementary Table 5. Characteristics of 431 Participants with and without *Haemophilus influenzae* Separately by Sex of Sex Partners

Characteristic*	MSM			MSW		
	No HI N=182 n (%)	HI N=17 n (%)	P-value <sup>†</sup>	No HI N=211 n (%)	HI N=21 n (%)	P-value <sup>†</sup>
<i>Demographic</i>						
Gender						
Transgender	2 (1)	0 (0)	1.000	0 (0)	0 (0)	-
Cisgender	180 (99)	17 (100)		211 (100)	21 (100)	
Age, median (IQR)	30 (26-39)	34 (28-43)	0.182 <sup>‡</sup>	32 (27-37)	33 (26-40)	0.831 <sup>‡</sup>
Race						
White	118 (65)	13 (76)	0.700	114 (54)	11 (52)	1.000
Black	13 (7)	0 (0)		57 (27)	6 (29)	
Other/Multiple/Unknown	51 (28)	4 (24)		40 (19)	4 (19)	
Hispanic or Latino ethnicity						
Yes	36 (20)	3 (18)	1.000	19 (9)	1 (5)	0.754
No	141 (77)	14 (82)		184 (87)	19 (90)	
Unknown	5 (3)	0 (0)		8 (4)	1 (5)	
Education completed						
≤High School or GED	65 (36)	4 (24)	0.484	88 (42)	10 (48)	0.727
Some college	36 (20)	5 (29)		42 (20)	5 (24)	
College graduate	80 (44)	8 (47)		78 (38)	6 (29)	
<i>Behavioral</i>						
Number sex partners past 2 months, median (IQR)	3 (2-5)	4 (2-6)	0.565 <sup>‡</sup>	2 (1-2)	2 (1-2)	0.492 <sup>‡</sup>
New sex partner past 2 months	143 (80)	14 (82)	1.000	114 (69)	15 (75)	0.800
Behaviors at last sexual episode <sup>§</sup>						
Vaginal sex	-	-	-	199 (95)	21 (100)	0.605
Insertive oral sex	130 (73)	14 (82)	0.567	110 (52)	13 (62)	0.494
Insertive anal sex	104 (58)	11 (65)	0.797	4 (2)	1 (5)	0.382
Always uses condoms with last sex partner	38 (22)	3 (18)	1.000	44 (21)	3 (15)	0.773
<i>History</i>						
Reason for visit <sup>¶</sup>						
Urethral symptoms	84 (46)	10 (59)	0.447	78 (37)	19 (90)	<0.001
Other symptoms	5 (3)	1 (6)	0.419	26 (12)	0 (0)	0.141
STD Testing	132 (73)	13 (76)	1.000	156 (74)	13 (65)	0.430
History of previous STD						
History of NGU	41 (23)	3 (18)	0.768	24 (11)	3 (14)	0.720
History of chlamydial infection	99 (55)	10 (59)	1.000	58 (28)	8 (38)	0.318
History of gonococcal infection	94 (52)	11 (65)	0.447	30 (14)	5 (24)	0.333
Known HIV-positive	15 (8)	0 (0)	0.372	0 (0)	0 (0)	-
HIV pre-exposure prophylaxis use <sup>¶</sup>	28 (17)	3 (18)	1.000	0 (0)	0 (0)	-
<i>Presentation</i>						
Urethral symptoms	102 (56)	13 (76)	0.127	89 (42)	20 (95)	<0.001
Visible urethral discharge	104 (57)	13 (76)	0.196	86 (41)	20 (95)	<0.001

Characteristic*	MSM			P-value†	MSW		
	No HI N=182 n (%)	HI N=17 n (%)			No HI N=211 n (%)	HI N=21 n (%)	P-value†
PMNs/HPF on a urethral Gram stain							
0-4	68 (37)	2 (12)		111 (53)	1 (5)		
5-9	23 (13)	2 (12)	0.062	25 (12)	5 (24)		<0.001
≥10	91 (50)	13 (76)		75 (36)	15 (71)		
NGU	114 (63)	15 (88)	<b>0.036</b>	100 (47)	20 (95)		<0.001
<i>Urethral pathogen detection</i>							
<i>Chlamydia trachomatis</i> (NAAT)	39 (21)	2 (12)	0.533	33 (16)	0 (0)		0.051
<i>Mycoplasma genitalium</i> (NAAT)	31 (17)	1 (6)	0.318	25 (12)	0 (0)		0.140
Herpes simplex virus (qPCR)	1 (1)	0 (0)	1.000	3 (1)	0 (0)		1.000
Adenovirus (qPCR)	5 (3)	0 (0)	1.000	3 (1)	0 (0)		1.000
<i>Trichomonas vaginalis</i> (qPCR)	0 (0)	1 (6)	0.085	12 (6)	1 (5)		1.000
<i>Mycoplasma penetrans</i> (qPCR)	18 (10)	0 (0)	0.374	4 (2)	1 (5)		0.380
<i>Ureaplasma urealyticum</i> (qPCR)	36 (20)	3 (18)	1.000	55 (26)	1 (5)		<b>0.031</b>

Abbreviation: GED, General Education Diploma; HI, *Haemophilus influenzae*; HIV, human immunodeficiency virus; HPF, high-power field; IQR, interquartile range; MSM, cisgender men who have sex with men only; MSW, cisgender men who have sex with women only; NAAT, nucleic acid amplification test; NGU, nongonococcal urethritis; PMN, polymorphonuclear leukocyte; STD, sexually transmitted disease; TGWSM, transgender women who have sex with men only.

\*n=4 missing education completed, n=18 missing ever had sex with a man, n=32 missing ever had sex with an HIV+ partner, n=14 missing number sex partners past 2 months, n=7 missing new sex partner past 2 months, n=1 missing vaginal sex at last sex, n=4 missing insertive oral sex at last sex, n=4 missing insertive anal at last sex, n=13 missing recent condom use with last sex partner, n=1 missing reason for visit is STD testing, n=4 missing history of NGU, n=4 missing history of chlamydial infection, and n=3 missing history of gonococcal infection. Participants with missing herpes simplex virus and adenovirus test results (n=16) were assumed to be negative for both pathogens.

†Fisher's exact test unless otherwise specified. Bold indicates significance at alpha=0.05 level.

‡Wilcoxon rank-sum test.

§Not mutually exclusive categories.

\*Multiple reasons for visit possible. Other symptoms include genital lesions/rash, non-genital rash, anorectal symptoms, testicular symptoms, oral/pharyngeal symptoms, and other symptoms.

‡Among participants who were not known to be HIV-positive.