

**Table 1** Participants characteristics

Variable	Mean (SD)
Age	28.10 (7.10)
Number of male partners last three months	2.30 (2.98)
	%
Gonorrhea test site	
-rectal	43.9
-urethral	56.1
	n=114
Anal Sex Role	
-receptive	31.8
-insertive	37.8
-versatile	30.4
	n=283
Yearly income, \$	
<2690.88□	11.5
-2690.88□ 5381.64□	9.0
-5381.64□ 8,969.40	14.9
-8969.40 - 14351.04□	26.4
->14351.04□	38.2
	n=288
Experienced STI symptoms	
-no	11.2
-yes	88.8
	n=285
HIV test frequency	
-<once every two years	16.9
-once a year	23.0
-once every six months	28.1
-once every three months	26.3
-monthly	5.8
	n=278
Previous HIV test	
-no	9.0
-yes	91.0
	n=288
Frequency of condomless anal intercourse last three months	
-0% condom use	6.0
-<50% condom use	10.3
->50% condom use	29.5
-100% condom use	54.3
	n=234
Out to someone (Non-specific disclosure)	
-no	35.1
-yes	64.9
	n=288
Out to health provider (Disclosure to health provider)	
-no	79.5
-yes	20.5
	n=288
Gonorrhea test result	
-negative	98.3
-positive	1.7
	n=114
Chlamydia test result	
-negative	93.7
-positive	6.3
	n=114

**Table 2** Multivariate analyses of MSM propensity to select the rectal test compared to the urethral test, in line with anal sex role

Variable	Marginal Effects (95% CI)	P	Marginal Effects (95% CI)	P	Marginal Effects (95% CI)
Anal sex role	Receptive		Insertive		Versatile
Dependent variable: rectal test					
Insertive	-	-	-0.51 (-0.59, -0.44)	< .001	-
Receptive	0.45 (0.34, 0.57)	< .001	-	-	-
Versatile	-	-	-	-	0.006 (-0.18, 0.19)
Age	0.006 (-0.001, 0.013)	.12	0.004 (-0.009, 0.018)	.52	0.003 (-0.012, 0.019)
Income	0.012 (-0.036, 0.060)	.64	0.050 (-0.027, 0.128)	.2	0.05 (-0.05, 0.14)
Number of male partners last three months	-0.022 (-0.042, -0.001)	.04	-0.019 (-0.035, -0.002)	.03	-0.01 (-0.04, 0.01)
Frequency of condomless anal intercourse last three months	0.12 (-0.031, 0.28)	.12	0.37 (0.17, 0.57)	< .001	0.26 (-0.13, 0.65)
Non-specific disclosure	-0.08 (-0.19, 0.03)	.16	-0.093 (-0.34, 0.15)	.46	0.12 (-0.1, 0.33)
Disclosure to health provider	0.04 (-0.11, 0.18)	.6	-0.041 (-0.29, 0.20)	.74	-0.046 (-0.29, 0.20)
N	85		85		85
Predicted mean for receiving a rectal test	0.33		0.41		0.32

Note: Marginal effects of probit with sample selection (outcome equation results shown). Confidence interval (CI) estimated using jackknife with clustering by sites and within-site groups. Receptive: Compared to MSM not indicating the receptive role, MSM indicating the receptive role are more likely to select the rectal gonorrhea and chlamydia test, compared to the urethral test; Insertive: Compared to MSM not indicating the insertive role, MSM indicating the insertive role are less likely to select the rectal gonorrhea and chlamydia test, compared to the urethral test; Versatile: Compared to MSM not indicating the versatile role, MSM indicating the versatile role have no gonorrhea and chlamydia test preference.

**Table 3** Multivariate analyses of MSM propensity to select the rectal test compared to the urethral test, in line with non-specific disclosure and disclosure to health provider

Variable	Marginal Effects (95% CI)	P	Marginal Effects (95% CI)	P
Type of disclosure	Non-specific disclosure		Disclosure to health provider	
Dependent variable: rectal test				
Insertive	-	-	-	-
Receptive	0.58 (0.5, 0.66)	< .001	0.58 (0.53, 0.64)	< .001
Versatile	0.26 (-0.23, 0.78)	.29	0.26 (0.12, 0.41)	< .001
Age	0.01 (-0.01, 0.02)	.45	0.01 (-0.01, 0.02)	.35
Income	0.03 (-0.04, 0.1)	.47	0.02 (-0.04, 0.08)	.54
Number of male partners last three months	-0.02 (-0.1, 0.05)	.51	-0.03 (-0.06, 0.002)	.07
Frequency of condomless anal intercourse last three months	0.23 (0.06, 0.4)	.01	0.23 (0.1, 0.36)	.001
Non-specific disclosure	-0.08 (-0.32, 0.15)	.49	-	-
Disclosure to health provider	-	-	-0.04 (-0.25, 0.17)	.72
N	85		85	
Predicted mean for receiving a rectal test	0.4		0.41	

Note: Marginal effects of probit with sample selection (outcome equation results shown). Confidence interval (CI) estimated using jackknife with clustering by sites and within-site groups. Non-specific disclosure: Compared to those not out to anyone, those out to someone are more likely to select the rectal gonorrhea and chlamydia test, compared to the urethral test; Disclosure to health provider: Compared to those not out to their health provider, those out to their health provider are more likely to select the rectal gonorrhea and chlamydia test, compared to the urethral test.

**Table 4** Multivariate analyses of versatile MSM propensity to select the rectal test compared to the urethral test, in line with non-specific disclosure and disclosure to health provider

Variable	Marginal Effects (95% CI)	P	Marginal Effects (95% CI)	P
Type of disclosure	Non-specific disclosure		Disclosure to health provider	
Dependent variable: rectal test				
Insertive	-	-	-	-
Receptive	0.61 (0.52, 0.70)	< .001	0.56 (0.46, 0.67)	< .001
Versatile	0.36 (0.23, 0.48)	< .001	0.15 (0.03, 0.26)	.01
Age	0.004 (-0.01, 0.01)	.46	0.005 (0.001, 0.01)	.01
Income	0.03 (-0.02, 0.08)	.24	0.02 (-0.02, 0.05)	.39
Number of male partners last three months	-0.03 (-0.06, 0.003)	.08	-0.03 (-0.05, -0.01)	.01
Frequency of condomless anal intercourse last three months	0.2 (0.09, 0.32)	.001	0.19 (0.05, 0.33)	.01
Non-specific disclosure	-0.2 (-0.36, -0.05)	.01	-	-
Versatile*non-specific disclosure	0.27 (0.06, 0.48)	.01	-	-
Disclosure to health provider	-	-	-0.16 (-0.29, -0.04)	.01
Versatile*disclosure to health provider	-	-	0.29 (0.06, 0.53)	.01
N	85		85	
Predicted mean for receiving a rectal test	0.41		0.39	

Note: Marginal effects of probit with sample selection (outcome equation results shown). Confidence interval (CI) estimated using jackknife with clustering by sites and within-site groups. Non-specific disclosure: Compared to versatile MSM not out to someone, versatile MSM who are out to someone (disclosed sexual identity) are more likely to select the rectal gonorrhea and chlamydia test, compared to the urethral test; Disclosure to health provider: Compared to versatile MSM not out to their health provider, versatile MSM out to their health provider are more likely to select the rectal gonorrhea and chlamydia test, compared to the urethral test.