

Grov, C., Rendina, H. J., Ventuneac, A., Cain, D. N., & Parsons, J. T. (2015, November). Characteristics associated with urine and rectal STI diagnosis in a U.S. representative sample of gay and bisexual men: Results from the One Thousand Strong panel. Paper presented at the annual meeting of the American Public Health Association, October 31 – November 4, Chicago, IL. cgrov@chestnyc.org

Table 1. STI diagnoses in the *One Thousand Strong* panel,  $N = 1071$

	<i>n</i>	%
Rectal or urethral GC and/or CT (i.e., any STI diagnosis)	66	6.2
Rectal CG and/or CT	57	5.3
Rectal GC	19	1.8
Rectal CT	47	4.4
Urethral GC and/or CT	18	1.7
Urethral GC	5	0.5
Urethral CT	15	1.4

Table 2. Demographic and behavioral characteristics associated with rectal GC/CT diagnosis

	Rectal GC and/or CT				Odds Ratio	95% CI
	No		Yes			
	<i>n</i>	%	<i>n</i>	%		
Income						
< \$50,000	536	52.9	39	68.4	<b>0.52</b>	<b>0.29 - 0.92</b>
\$50,000 +	478	47.1	18	31.6		
Has a 4-year college degree						
No	444	43.8	30	52.6	0.70	0.41 - 1.20
Yes	570	56.2	27	47.4		
Relationship status						
Single	512	50.5	37	64.9	<b>0.55</b>	<b>0.32 - 0.96</b>
In a relationship	502	49.5	20	35.1		
Race and ethnicity						
White (Ref.)	729	71.9	34	59.6	Ref.	-- - --
Black	79	7.8	4	7.0	1.09	0.38 - 3.14
Latino	121	11.9	14	24.6	<b>2.48</b>	<b>1.29 - 4.76</b>
Multiracial or "other"	85	8.4	5	8.8	1.26	0.48 - 3.31
Has health insurance						
No	85	8.4	8	14.0	0.56	0.26 - 1.22
Yes	929	91.6	49	86.0		
Has a primary care providers						
Yes	774	76.3	40	70.2	1.37	0.76 - 2.46
No	240	23.7	17	29.8		
Any drug use, <sup>1</sup> < 3 months						
No	841	89.8	42	79.2	<b>2.29</b>	<b>1.14 - 4.61</b>
Yes	96	10.2	11	20.8		

Table 2. Demographic and behavioral characteristics associated with rectal GC/CT diagnosis

	Rectal GC and/or CT				Odds Ratio	95% CI
	No		Yes			
	<i>n</i>	%	<i>n</i>	%		
Anal sexual behavior with casual male partners, < 3 months, excluding men who did not report anal sex with a casual male partner, valid <i>n</i> = 538						
Exclusive bottom	122	24.7	10	22.7	0.49	0.23 - 1.04
Versatile (Ref.)	186	37.7	31	70.5	Ref.	-- --
Exclusive top	186	37.7	3	6.8	<b>0.10</b>	<b>0.03 - 0.32</b>
CAS <sup>2</sup> with a casual male partner or HIV-positive or HIV-unknown main partner, < 3 months						
No	633	62.4	18	31.6	<b>3.60</b>	<b>2.03 - 6.38</b>
Yes	381	37.6	39	68.4		
Age in years	<i>M</i>	<i>SD</i>	<i>M</i>	<i>SD</i>	<i>t</i>	<i>p</i>
	40.6	13.8	34.4	13.8	3.29	<b>&lt; .001</b>
Male partners in the last 12 months	<i>Mdn</i>	<i>IQR</i>	<i>Mdn</i>	<i>IQR</i>	<i>U</i>	<i>p</i>
	4	1-10	8.0	5-15	39448.0	<b>&lt; .001</b>
Sexual behavior with casual male partners in the last 3 months, valid <i>n</i> = 1071						
Number of anal insertive acts	0	0-2	2	0-7.5	36719.0	<b>&lt; .001</b>
Number of anal receptive acts	0	0-1	2	0-7	42140.0	<b>&lt; .001</b>
Number of condomless anal insertive acts	0	0-0	1	0-3	36891.0	<b>&lt; .001</b>
Number of condomless anal receptive acts	0	0-0	1	0-3	40033.0	<b>&lt; .001</b>

Table 3. Demographic and behavioral characteristics associated with urethral GC/CT diagnosis

	Urethral GC and/or CT				Odds Ratio	95% CI
	No		Yes			
	<i>n</i>	%	<i>n</i>	%		
Income						
< \$50,000	562	53.4	13	72.2	0.44	0.16 - 1.24
\$50,000 +	491	46.6	5	27.8		
Has a 4-year college degree						
No	462	43.9	12	66.7	0.39	0.15 - 1.05
Yes	591	56.1	6	33.3		
Relationship status						
Single	540	51.3	9	50	1.05	0.42 - 2.67
In a relationship	513	48.7	9	50		
Race and ethnicity						
White (Ref.)	750	71.2	13	72.2	Ref.	-- --
Black	81	7.7	2	11.1	1.42	0.32 - 6.41
Latino	133	12.6	2	11.1	0.87	0.19 - 3.89
Multiracial or "other"	89	8.5	1	5.6	0.65	0.08 - 5.01
Has health insurance						
No	90	8.5	3	16.7	0.47	0.13 - 1.65
Yes	936	91.5	15	83.3		
Has a primary care providers						
Yes	803	76.3	11	61.1	2.04	0.78 - 5.33
No	250	23.7	7	38.9		
Any drug use, <sup>1</sup> < 3 months						
No	869	89.3	14	82.4	1.79	0.51 - 6.33
Yes	104	10.7	3	17.6		

Table 3. Demographic and behavioral characteristics associated with urethral GC/CT diagnosis

	Urethral GC and/or CT				Odds Ratio	95% CI
	No		Yes			
	<i>n</i>	%	<i>n</i>	%		
Anal sexual behavior with casual male partners, < 3 months, excluding men who did not report anal sex with a casual male partner, valid <i>n</i> = 538						
Exclusive bottom	131	25	1	7.1	0.16	0.02 - 1.25
Versatile (Ref.)	207	39.5	10	71.4	Ref.	-- --
Exclusive top	186	35.5	3	21.4	0.33	0.09 - 1.23
CAS <sup>2</sup> with a casual male partner or HIV-positive or HIV-unknown main partner, < 3 months						
No	647	61.4	4	22.2	<b>5.58</b>	<b>1.82 - 17.06</b>
Yes	406	38.6	14	77.8		
Age in years	<i>M</i>	<i>SD</i>	<i>M</i>	<i>SD</i>	<i>t</i>	<i>p</i>
	40.4	13.8	31.0	10.7	2.87	<b>0.004</b>
Male partners in the last 12 months	<i>Mdn</i>	<i>IQR</i>	<i>Mdn</i>	<i>IQR</i>	<i>U</i>	<i>p</i>
	4.0	1-10	10.5	4-20	13121.0	<b>0.01</b>
Sexual behavior with casual male partners in the last 3 months, valid <i>n</i> = 1071						
Number of anal insertive acts	0	0-2	4.0	0-7.5	13220.0	<b>0.001</b>
Number of anal receptive acts	0	0-1	1.0	0-7.75	12637.0	<b>0.004</b>
Number of condomless anal insertive acts	0	0-0	1.0	0-4.25	13894.0	<b>&lt; .001</b>
Number of condomless anal receptive acts	0	0-0	0.0	0-4.5	11625.0	<b>0.02</b>