

Table 1. Sample characteristics and bivariate associations with history of anal cytology screening among sexual and gender minority natal males in Pennsylvania: Data from the statewide LGBTQ Pennsylvania Needs Assessment (2020 and 2022).

	2020 Sample (N = 1125)					2022 Sample (N = 630)				
	Total N (%)	Never %	Past year %	>1 year ago %	p	Total N (%)	Never %	Past year %	>1 year ago %	p
Total	1125	75.20	14.04	10.76		630	69.84	13.65	16.51	
Predisposing Factors										
Age					<0.01					<0.01
18 – 29	386 (34.31)	83.68	12.18	4.15		158 (25.08)	75.95	15.19	8.86	
30 – 39	347 (30.84)	79.25	12.97	7.78		230 (36.51)	74.35	9.13	16.52	
40+	392 (34.84)	63.27	16.84	19.90		242 (38.41)	61.57	16.94	21.49	
Hispanic/Latinx					0.03					<0.01
No (ref)	1037 (92.18)	75.60	13.31	11.09		589 (93.49)	71.48	12.90	15.62	
Yes	88 (7.82)	70.45	22.73	6.82		41 (6.51)	46.34	24.39	29.27	
Race					0.32					<0.01
White (ref)	944 (83.91)	75.53	13.67	10.81		526 (83.49)	72.62	11.41	15.97	
Black/African American	61 (5.42)	65.57	18.03	16.39		41 (6.51)	34.15	36.59	29.27	
Another race	120 (10.67)	77.50	15.00	7.50		63 (10.00)	69.84	17.46	12.70	
College degree					0.44					0.13
No (ref)	469 (41.69)	73.99	13.86	12.15		225 (35.71)	66.67	17.33	16.00	
Yes	656 (58.31)	76.07	14.18	9.76		405 (64.29)	71.60	11.60	16.79	
Rural county residence					0.80					0.59
No (ref)	929 (82.58)	74.81	14.32	10.87		531 (84.29)	69.87	14.12	16.01	
Yes	196 (17.42)	77.04	12.76	10.20		99 (15.71)	69.70	11.11	19.19	
Public health insurance					<0.01					<0.01
No	881 (78.31)	78.09	13.28	8.63		485 (76.98)	72.37	10.52	17.11	
Yes	244 (21.69)	64.75	16.80	18.44		145 (23.02)	61.38	24.14	14.48	
Sexual orientation					0.27					0.10
Gay/Lesbian (ref)	774 (68.80)	73.51	14.99	11.50		382 (60.63)	70.42	11.52	18.06	
Bisexual	233 (20.71)	80.26	12.02	7.73		93 (14.76)	75.27	12.90	11.83	
Other	118 (10.49)	76.27	11.86	11.86		155 (24.60)	65.16	19.35	15.48	
Gender identity					0.01					0.66
Cisgender man	810 (72.00)	72.72	14.94	12.35		376 (59.68)	70.74	11.97	17.29	

Cisgender woman	85 (7.56)	85.88	11.76	2.35		59 (9.37)	76.27	11.86	11.86	
Transgender woman	32 (2.84)	68.18	18.18	13.64		19 (3.02)	62.69	20.37	16.67	
Transgender man	66 (5.87)	81.25	9.38	9.38		54 (8.57)	73.68	10.53	15.79	
Non-binary	132 (11.73)	85.61	9.09	5.30		122 (19.37)	66.39	17.21	16.39	
Enabling Factors										
Has medical home					<0.01					0.26
No	203 (18.04)	85.22	7.88	6.90		78 (12.38)	74.36	7.69	17.95	
Yes	922 (81.96)	72.99	15.40	11.61		552 (87.62)	69.20	14.49	16.30	
STI Treatment, past year					<0.01					<0.01
No	835 (74.22)	78.68	11.50	9.82		500 (79.37)	72.20	11.40	16.40	
Yes	290 (25.78)	65.17	21.38	13.45		130 (20.63)	60.77	22.31	16.92	
Current PrEP Use					<0.01					<0.01
No	848 (75.38)	77.71	10.26	12.03		472 (74.92)	71.82	9.53	18.64	
Yes	277 (24.62)	67.51	25.63	6.86		158 (25.08)	63.92	25.95	10.13	
Initiated HPV vaccination					0.08					0.04
No	767 (68.18)	77.18	12.78	10.04		395 (62.70)	72.91	11.14	15.95	
Yes	358 (31.82)	70.95	16.76	12.29		235 (37.30)	64.68	17.87	17.45	
Need Factors										
Diagnosed with HIV					<0.01					<0.01
No	946 (84.09)	81.29	12.16	6.55		519 (82.38)	75.92	10.02	14.07	
Yes	179 (15.91)	43.02	24.02	32.96		111 (17.62)	41.44	30.63	27.93	
Recent URAI, past year					<0.01					<0.01
No	334 (29.69)	71.26	13.47	15.27		215 (34.13)	66.05	11.16	22.79	
Yes	791 (70.31)	76.86	14.29	8.85		415 (65.87)	71.81	14.94	13.25	
≥4 sex partners, past year					<0.01					<0.01
No	566 (50.31)	77.39	10.78	11.84		383 (60.79)	73.11	9.14	17.75	
Yes	559 (49.69)	72.99	17.35	9.66		247 (39.21)	64.78	20.65	14.57	
Current smoker					0.66					<0.01
No	874 (77.69)	75.17	14.42	10.41		518 (82.22)	72.78	10.81	16.41	
Yes	251 (22.31)	75.30	12.75	11.95		112 (17.78)	56.25	26.79	16.96	

Bold indicates p<0.05