

Supplementary Table 1. Psychosocial concerns and quality of life among sexual minority patients vs non-SGM patients.

Variable	SM patients^a (n=1,356)	Non- SGM patients (n=50,116)	p-value
Psychosocial concerns			
Have a family member or friend who can help during my illness and treatment (n, %)			.001
Yes	1,297 (95.6%)	48,782 (97.3%)	
No	59 (4.4%)	1,324 (2.6%)	
No response	0 (0.0%)	10 (0.0%)	
Living alone (n, %)			<.001
Yes	259 (19.1%)	6,921 (13.8%)	
No	1,097 (80.9%)	43,185 (86.2%)	
No response	0 (0.0%)	10 (0.0%)	
Considering having a child/children in the future (n, %)			.000
Yes	116 (8.6%)	2,313 (4.6%)	
No	1,154 (85.1%)	46,258 (92.3%)	
Not sure	86 (6.3%)	1,539 (3.1%)	
No response	0 (0.0%)	6 (0.0%)	
Would like to discuss fertility-related issues with a specialist (n, %)			.000
Yes	64 (4.7%)	1,258 (2.5%)	
No	1,216 (89.7%)	47,309 (94.4%)	
Not sure	76 (5.6%)	1,543 (3.1%)	
No response	0 (0.0%)	6 (0.0%)	
Have concerns that may interfere with my ability to seek care at Moffitt (n, %)			.000
Yes	291 (21.5%)	8,355 (16.7%)	
No	1,065 (78.5%)	41,755 (83.3%)	
No response	0 (0.0%)	6 (0.0%)	
Quality of life			
ECOG Performance Status Scale (n, %)			.088
Fully active	750 (55.3%)	28,015 (55.9%)	
Restricted in physically strenuous activity but ambulatory and able to carry out work of a light or sedentary nature	383 (28.2%)	14,452 (28.8%)	
Ambulatory and capable of all self-care but unable to carry out any work activities	161 (11.9%)	4,903 (9.8%)	
Capable of only limited self-care	56 (4.1%)	2,494 (5.0%)	
Completely disabled	6 (0.4%)	252 (0.5%)	
SF-12 (M, SD)			
MCS-12[¶]	46.5 (10.9)	49.5 (10.3)	<.001
Vitality[¶]	44.1 (28.8)	47.8 (29.0)	<.001
Social functioning[¶]	65.0 (32.6)	71.2 (31.9)	<.001

Role-emotional [¶]	70.4 (40.6)	77.0 (37.7)	<.001
Mental health [¶]	62.3 (22.8)	68.0 (22.2)	<.001
PCS-12[¶]	42.6 (12.8)	42.3 (12.8)	.344
Physical functioning [¶]	65.0 (37.4)	63.3 (38.0)	.094
Role-physical [¶]	52.1 (46.9)	52.9 (47.5)	.522
Bodily pain [¶]	65.5 (33.2)	68.8 (32.4)	<.001
General health [¶]	55.4 (27.1)	57.1 (27.5)	.026

Note. ^a Excludes Straight or Heterosexual, Transgender Female or Trans Woman, Transgender Male or Trans Man, and Genderqueer (Nonbinary) or Additional gender category (open-ended response). [¶] Statistically significant difference between SGM and non-SGM patients when controlling for age, ethnicity, and race, as compared to the non-SGM individuals.

ECOG = Eastern Cooperative Oncology Group; MCS-12 = Mental Component Summary; PCS-12: Physical Component Summary. MCS-12 and PCS-12 scores have a normal distribution of M=50, SD=10. SF-12 subscale scores were transformed to a 0 to 100 scale.

Supplementary Table 2. Psychosocial concerns and quality of life among Bisexual vs Lesbian/Gay/Homosexual

Variable	Bisexual patients (n=262)	Lesbian/Gay/Homosexual patients (n=1,087)	p-value
Psychosocial concerns			
Have a family member or friend who can help during my illness and treatment (n, %)			.028
Yes	244 (93.1%)	1,046 (96.2%)	
No	18 (6.9%)	41 (3.8%)	
Living alone (n, %)			.472
Yes	46 (17.6%)	212 (19.5%)	
No	216 (82.4%)	875 (80.5%)	
Considering having a child/children in the future (n, %)			.000
Yes	47 (17.9%)	67 (6.2%)	
No	186 (71.0%)	961 (88.4%)	
Not sure	29 (11.1%)	59 (5.4%)	
Would like to discuss fertility-related issues with a specialist (n, %)			.000
Yes	23 (8.8%)	37 (3.4%)	
No	208 (79.4%)	1,004 (92.4%)	
Not sure	31 (11.8%)	46 (4.2%)	
Have concerns that may interfere with my ability to seek care at Moffitt (n, %)			.022
Yes	70 (26.7%)	220 (20.2%)	
No	192 (73.3%)	867 (79.8%)	
Quality of life			
ECOG Performance Status Scale (n, %)			.921
Fully active	142 (54.2%)	599 (55.1%)	
Restricted in physically strenuous activity but ambulatory and able to carry out work of a light or sedentary nature	80 (30.5%)	306 (28.2%)	
Ambulatory and capable of all self-care but unable to carry out any work activities	30 (11.5%)	130 (12.0%)	
Capable of only limited self-care	9 (3.4%)	47 (4.3%)	
Completely disabled	1 (0.4%)	5 (0.5%)	
SF-12 (M, SD)			
MCS-12 [¶]	42.4 (11.5)	47.5 (10.5)	<.001
Vitality [¶]	37.1 (27.6)	45.8 (28.8)	<.001
Social functioning [¶]	55.1 (32.3)	67.3 (32.2)	<.001
Role-emotional [¶]	58.2 (43.3)	73.4 (39.2)	<.001
Mental health [¶]	56.3 (23.3)	63.9 (22.4)	<.001
PCS-12	42.1 (12.7)	42.7 (12.8)	.520

Physical functioning [¶]	63.2 (37.4)	65.3 (37.4)	.414
Role-physical [¶]	46.0 (46.5)	53.3 (47.0)	.024
Bodily pain	62.1 (32.6)	66.2 (33.3)	.077
General health	53.1 (27.1)	56.1 (27.0)	.116

Note. [¶] Statistically significant difference between SGM and non-SGM patients when controlling for age, ethnicity, and race, as compared to the non-SGM individuals.

ECOG = Eastern Cooperative Oncology Group; MCS-12 = Mental Component Summary; PCS-12: Physical Component Summary. MCS-12 and PCS-12 scores have a normal distribution of M=50, SD=10. SF-12 subscale scores were transformed to a 0 to 100 scale.

Supplementary Table 3. Psychosocial concerns and quality of life among Bisexual vs Non-SGM patients.

Variable	Bisexual patients (n=262)	Non-SGM patients (n=50,116)	p-value
Psychosocial concerns			
Have a family member or friend who can help during my illness and treatment (n, %)			.000
Yes	244 (93.1%)	48,782 (97.3%)	
No	18 (6.9%)	1,324 (2.6%)	
No response	0 (0.0%)	10 (0.0%)	
Living alone (n, %)			.210
Yes	46 (17.6%)	6,921 (13.8%)	
No	216 (82.4%)	43,185 (86.2%)	
No response	0 (0.0%)	10 (0.0%)	
Considering having a child/children in the future (n, %)			.000
Yes	47 (17.9%)	2,313 (4.6%)	
No	186 (71.0%)	46,258 (92.3%)	
Not sure	29 (11.1%)	1,539 (3.1%)	
No response	0 (0.0%)	6 (0.0%)	
Would like to discuss fertility-related issues with a specialist (n, %)			.000
Yes	23 (8.8%)	1,258 (2.5%)	
No	208 (79.4%)	47,309 (94.4%)	
Not sure	31 (11.8%)	1,543 (3.1%)	
No response	0 (0.0%)	6 (0.0%)	
Have concerns that may interfere with my ability to seek care at Moffitt (n, %)			.000
Yes	70 (26.7%)	8,355 (16.7%)	
No	192 (73.3%)	41,755 (83.3%)	
No response	0 (0.0%)	6 (0.0%)	
Quality of life			
ECOG Performance Status Scale (n, %)			.652
Fully active	142 (54.2%)	28,015 (55.9%)	
Restricted in physically strenuous activity but ambulatory and able to carry out work of a light or sedentary nature	80 (30.5%)	14,452 (28.8%)	
Ambulatory and capable of all self-care but unable to carry out any work activities	30 (11.5%)	4,903 (9.8%)	
Capable of only limited self-care	9 (3.4%)	2,494 (5.0%)	
Completely disabled	1 (0.4%)	252 (0.5%)	
SF-12 (M, SD)			
MCS-12 [¶]	42.4 (11.5)	49.5 (10.3)	<.001
Vitality [¶]	37.1 (27.6)	47.8 (29.0)	<.001
Social functioning [¶]	55.1 (32.3)	71.2 (31.9)	<.001
Role-emotional [¶]	58.2 (43.3)	77.0 (37.7)	<.001

Mental health [¶]	56.3 (23.3)	68.0 (22.2)	<.001
PCS-12[¶]	42.1 (12.7)	42.3 (12.8)	.809
Physical functioning [¶]	63.2 (37.4)	63.3 (38.0)	.970
Role-physical [¶]	46.0 (46.5)	52.9 (47.5)	.019
Bodily pain [¶]	62.1 (32.6)	68.8 (32.4)	.001
General health [¶]	53.1 (27.1)	57.1 (27.5)	.019

Note. [¶] Statistically significant difference between SGM and non-SGM patients when controlling for age, ethnicity, and race, as compared to the non-SGM individuals.

ECOG = Eastern Cooperative Oncology Group; MCS-12 = Mental Component Summary; PCS-12: Physical Component Summary. MCS-12 and PCS-12 scores have a normal distribution of M=50, SD=10. SF-12 subscale scores were transformed to a 0 to 100 scale.

Supplementary Table 4. T-Test results: Age difference within total and subsamples. (Total N=51,503; SGM N=1,387; Non-SGM=50,116)

Group	Yes (1)	No (2)	Not sure (3)	<i>p</i> -value (Comparison pair: 1-2; 1-3; 2-3)
Considering having a child/children in the future (M, SD)				
Total Sample	30.4 (8.3)	62.9 (12.6)	38.1 (12.4)	<.001, <.001, <.001
SGM	28.0 (6.3)	57.1 (13.4)	32.4 (11.1)	<.001, <.01, <.001
Non-SGM	30.6 (8.4)	63.1 (12.5)	38.5 (12.4)	<.001, <.001, <.001
Would like to discuss fertility-related issues with a specialist (M, SD)				
Total Sample	34.6 (11.4)	62.0 (13.6)	39.3 (14.8)	<.001, <.001, <.001
SGM	30.6 (8.5)	55.4 (14.7)	32.7 (12.9)	<.001, .256, <.001
Non-SGM	34.8 (11.5)	62.2 (13.5)	39.6 (14.8)	<.001, <.001, <.001

Supplementary Table 5. Comparison of the demographics in the US, catchment area and the study sample.

	United States N=327,167,439	Catchment Area N=6,145,524	Study Sample: SGM N=1,387	Study Sample: Non-SGM N=50,116
Race				
Asian American or Pacific Islander/ American Indian ^a	5.8%	2.6%	1.7%	1.9%
Black/African American	12.7%	10.6%	4.4%	5.1%
Non-Hispanic White	60.2%	67.4%	74.5%	76.4%
Ethnicity: Hispanic/Latinx	18.3%	17.7%	11.7%	8.5%
Age				
10-19 Years ^b	13.1%	10.9%	0.9%	0.4%
20-64 Years	- ^c	54.7%	72.7%	52.8%
65 Years +	16.0%	24.1%	26.3%	46.8%
Gender				
Female	50.8%	51.3%	41.6%	40.7%
LGBT ^d	7.2%	4.1%	2.7%	-

Note. ^a USA/Catchment area includes Asian American or Pacific Islander whereas the study sample includes Asian American or American Indian. ^b USA/Catchment area includes individuals 10-19 years whereas the study sample includes 18-19 years. ^c Data unavailable. ^d USA is based on the Gallup results in 2023.³ USA/Catchment area includes LGBT. Catchment area includes LGBT in Tampa Bay (4 counties) only. The study sample includes LGBT+.

Supplementary Table 6. Psychosocial concerns and quality of life among those who were exposed to the Sexual Orientation (SO) question only. (N=14,741)

Variable	SGM patients (n=352)	Non-SGM (n=14,389)	p-value
Psychosocial concerns			
Have a family member or friend who can help during my illness and treatment (n, %)			.021
Yes	335 (95.2%)	14027 (97.5%)	
No	17 (4.8%)	358 (2.5%)	
No response	0 (0.0%)	4 (0.0%)	
Living alone (n, %)			<.001
Yes	79 (22.4%)	1898 (13.2%)	
No	273 (77.6%)	12487 (86.8%)	
No response	0 (0.0%)	4 (0.0%)	
Considering having a child/children in the future (n, %)			<.01
Yes	29 (8.2%)	669 (4.6%)	
No	308 (87.5%)	13268 (92.2%)	
Not sure	15 (4.3%)	452 (3.1%)	
Would like to discuss fertility-related issues with a specialist (n, %)			.020
Yes	13 (3.7%)	415 (2.9%)	
No	319 (90.6%)	13517 (93.9%)	
Not sure	20 (5.7%)	457 (3.2%)	
Have concerns that may interfere with my ability to seek care at Moffitt (n, %)			.042
Yes	80 (22.7%)	2525 (17.5%)	
No	272 (77.3%)	11863 (82.4%)	
No response	0 (0.0%)	1 (0.0%)	
Quality of life			
ECOG Performance Status Scale (n, %)			.760
Fully active	199 (56.5%)	8255 (57.4%)	
Restricted in physically strenuous activity but ambulatory and able to carry out work of a light or sedentary nature	96 (27.3%)	4059 (28.2%)	
Ambulatory and capable of all self-care but unable to carry out any work activities	41 (11.6%)	1380 (9.6%)	
Capable of only limited self-care	15 (4.3%)	631 (4.4%)	
Completely disabled	1 (0.3%)	64 (0.4%)	
SF-12 (M, SD)			
MCS-12[¶]	47.2 (10.8)	49.5 (10.2)	<.001
Vitality[¶]	44.2 (27.9)	48.3 (28.9)	<.001
Social functioning[¶]	67.7 (32.3)	71.9 (31.3)	<.001

Role-emotional	73.4 (39.9)	76.7 (37.8)	.104
Mental health [¶]	62.4 (22.5)	68.0 (22.0)	<.001
PCS-12	42.7 (12.8)	42.7 (12.7)	.999
Physical functioning	66.5 (36.5)	64.4 (37.8)	.311
Role-physical [¶]	51.3 (46.4)	53.5 (47.4)	.386
Bodily pain [¶]	65.9 (32.7)	69.4 (32.2)	.043
General health	56.3 (26.6)	58.1 (27.4)	.235

Note. [¶] Statistically significant difference between SGM and non-SGM patients when controlling for age, ethnicity, and race, as compared to the non-SGM individuals.

ECOG = Eastern Cooperative Oncology Group; MCS-12 = Mental Component Summary; PCS-12: Physical Component Summary. MCS-12 and PCS-12 scores have a normal distribution of M=50, SD=10. SF-12 subscale scores were transformed to a 0 to 100 scale.