

Appendix
Health-related Quality of Life Among Black Sexual Minority Women
Yette and Ahern

States included

Alaska
Colorado
Delaware
Hawaii
Idaho
Indiana
Kansas
Maryland
Massachusetts
Michigan
Minnesota
Nevada
New Mexico
New York
North Carolina
Ohio
Pennsylvania
Virginia
Washington
Wisconsin

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Appendix Table 1. Number and Weighted Proportions: Demographics and HRQOL - BRFSS, Selected U.S. States, 2014 and 2015

Variable	Black			White		
	Lesbian	Bisexual	Heterosexual	Lesbian	Bisexual	Heterosexual
	n=150 n (%)	n=213 n (%)	n=12,464 n (%)	n=1,598 n (%)	n=1,969 n (%)	n=138,601 n (%)
Age						
18–24	18 (29.4)	50 (39.7)	639 (13.1)	110 (18.8)	358 (34.9)	4,194 (9.1)
25–34	39 (29.3)	60 (32.7)	1,309 (17.0)	133 (15.0)	437 (30.4)	9,352 (12.8)
35–44	26 (11.3)	39 (14.8)	1,737 (18.1)	182 (16.6)	316 (14.0)	14,387 (14.5)
45–54	33 (17.8)	23 (5.0)	2,419 (18.4)	383 (22.4)	272 (8.9)	22,937 (19.0)
55–64	23 (8.4)	20 (3.1)	3,040 (17.3)	467 (17.1)	278 (6.1)	33,818 (19.4)
≥65	11 (3.7)	21 (4.7)	3,320 (16.2)	323 (10.1)	308 (5.8)	53,913 (25.3)
Education						
<High school	13 (11.8)	23 (20.1)	1,015 (12.3)	34 (6.1)	109 (11.7)	5,506 (7.3)
High school	39 (28.5)	62 (33.7)	3,581 (29.6)	252 (21.8)	446 (26.5)	36,516 (28.3)
Some college or tech school	48 (39)	69 (31.3)	3,905 (36.1)	359 (31.0)	658 (39.5)	40,578 (33.8)
College degree	50 (20.7)	59 (14.9)	3,934 (21.9)	952 (41.0)	755 (22.3)	55,763 (30.4)
Refused	0 (0)	0 (0)	29 (0.2)	1 (0.2)	1 (0)	238 (0.2)
Relationship status						
Married	25 (11.4)	32 (10.1)	3,612 (28.1)	505 (26.4)	649 (26.6)	75,603 (57.5)
Divorced	18 (9.1)	19 (3.5)	2,438 (13.8)	179 (9.6)	337 (11.0)	20,655 (11.6)
Widowed	2 (0.7)	11 (2.1)	1,842 (9.5)	48 (1.6)	141 (2.9)	24,010 (10.8)
Separated	3 (2.4)	11 (3.4)	626 (4.8)	22 (1.5)	61 (3.4)	1,890 (1.5)
Never married	93 (73.2)	123 (74.3)	3,626 (40.1)	526 (39.5)	589 (43.6)	13,250 (15.3)
Member of an unmarried couple	9 (3.3)	15 (4.3)	235 (3.0)	304 (20.7)	187 (12.2)	2,636 (2.9)
Refused	0 (0)	2 (2.4)	85 (0.5)	14 (0.7)	5 (0.3)	547 (0.3)
Missing	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	10 (0)
HRQOL measures						
Fair or poor self-rated health	36 (22.9)	59 (29.2)	2,901 (20.7)	243 (13.0)	397 (21.1)	20,365 (14.0)
Frequent poor physical health	23 (16.6)	35 (21.1)	1,781 (12.1)	233 (11.6)	348 (18.0)	17,845 (12.4)
Frequent poor mental health	30 (21.3)	51 (27.8)	1,497 (13.7)	234 (17.6)	475 (28.4)	14,230 (12.2)
Frequent unhealthy days	39 (28.3)	75 (41.5)	2,776 (22.2)	402 (26.1)	679 (40.3)	27,563 (21.1)
Frequent activity limitation	25 (19.7)	22 (14.7)	1,223 (9.0)	185 (11.1)	264 (15.1)	11,328 (8.2)
7+ days poor physical health	34 (31.9)	51 (28.9)	2,512 (18.2)	317 (17.3)	478 (26.3)	24,464 (17.3)
7+ days poor mental health	39 (27.3)	73 (36.5)	2,183 (19.9)	330 (24.9)	677 (42.1)	20,716 (17.7)
7+ unhealthy days	52 (45.0)	97 (51.5)	3,903 (31.9)	559 (38.0)	918 (53.1)	38,390 (29.9)
7+ days activity limitation	32 (24.2)	38 (20.9)	1,685 (13.0)	257 (15.1)	382 (20.7)	15,685 (11.5)

BRFSS, Behavioral Risk Factor Surveillance System; HRQOL, health-related quality of life

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Appendix Table 2. Age-adjusted HRQOL Prevalence Differences - BRFSS, Selected U.S. States, 2014 and 2015

HRQOL measure	PD (95% CI)	PD (95% CI)	PD (95% CI)
Black lesbian women compared to	Black heterosexual	White lesbian	White heterosexual
Fair or poor self-rated health	0.142 (−0.016, 0.299)	0.227 (0.104, 0.351)	0.273 (0.073, 0.472)
Frequent poor physical health	0.024 (−0.075, 0.123)	0.051 (−0.034, 0.137)	0.024 (−0.091, 0.140)
Frequent poor mental health	0.083 (−0.017, 0.183)	0.078 (−0.010, 0.166)	0.084 (−0.032, 0.199)
Frequent unhealthy days	0.033 (−0.072, 0.138)	0.038 (−0.054, 0.131)	0.027 (−0.092, 0.146)
Frequent activity limitation	0.092 (−0.009, 0.192)	0.096 (−0.008, 0.183)	0.090 (−0.028, 0.207)
7+ days poor physical health	0.165 (0.001, 0.328)	0.166 (0.038, 0.294)	0.220 (0.008, 0.432)
7+ days poor mental health	0.042 (−0.059, 0.142)	0.034 (−0.056, 0.124)	0.047 (−0.068, 0.163)
7+ unhealthy days	0.129 (−0.030, 0.288)	0.088 (−0.040, 0.215)	0.183 (−0.023, 0.389)
7+ days activity limitation	0.132 (−0.008, 0.271)	0.133 (0.024, 0.241)	0.152 (−0.022, 0.326)
Black bisexual women compared to	Black heterosexual	White bisexual	White heterosexual
Fair or poor self-rated health	0.035 (−0.071, 0.142)	0.070 (−0.017, 0.157)	0.095 (−0.014, 0.204)
Frequent poor physical health	0.021 (−0.064, 0.106)	−0.006 (−0.078, 0.067)	0.031 (−0.062, 0.125)
Frequent poor mental health	0.058 (−0.028, 0.143)	−0.023 (−0.099, 0.053)	0.050 (−0.040, 0.140)
Frequent unhealthy days	0.118 (0.009, 0.228)	0.005 (−0.081, 0.091)	0.133 (0.008, 0.259)
Frequent activity limitation	0.042 (−0.045, 0.129)	−0.001 (−0.074, 0.072)	0.045 (−0.047, 0.136)
7+ days poor physical health	0.081 (−0.028, 0.190)	0.020 (−0.065, 0.106)	0.110 (−0.015, 0.234)
7+ days poor mental health	0.107 (0.008, 0.206)	−0.036 (−0.120, 0.047)	0.116 (0.006, 0.227)
7+ unhealthy days	0.054 (−0.059, 0.167)	−0.041 (−0.129, 0.047)	0.077 (−0.050, 0.203)
7+ days activity limitation	0.092 (−0.020, 0.203)	0.030 (−0.053, 0.113)	0.113 (−0.013, 0.239)
Black sexual minority women (combined lesbian and bisexual) compared to	Black heterosexual	White SMW	White heterosexual
Fair or poor self-rated health	0.067 (−0.022, 0.155)	0.122 (0.046, 0.198)	0.145 (0.035, 0.255)
Frequent poor physical health	0.032 (−0.033, 0.097)	N/A ^a	0.037 (−0.033, 0.107)
Frequent poor mental health	0.079 (0.017, 0.140)	N/A ^a	0.071 (0.009, 0.132)
Frequent unhealthy days	0.095 (0.014, 0.179)	N/A ^a	0.100 (0.006, 0.195)
Frequent activity limitation	0.071 (0.008, 0.133)	N/A ^a	0.070 (0.005, 0.135)
7+ days poor physical health	0.101 (0.009, 0.193)	0.078 (0.000, 0.155)	0.134 (0.018, 0.251)
7+ days poor mental health	0.085 (0.008, 0.162)	N/A ^a	0.091 (0.008, 0.173)
7+ unhealthy days	0.080 (−0.013, 0.172)	N/A ^a	0.107 (−0.011, 0.224)
7+ days activity limitation	0.118 (0.036, 0.201)	0.079 (0.012, 0.145)	0.136 (0.041, 0.231)

^aEstimates for lesbian and bisexual women were in different directions. Boldface indicates statistical significance ($p < 0.05$). Age-adjusted using age categories: 18–24, 25–34, 35–44, 45–54, 55–64, ≥ 65 years.

BRFSS, Behavioral Risk Factor Surveillance System; HRQOL, health-related quality of life; SMW, sexual minority women; PD, prevalence difference