

Supplementary Data

[Supplementary Table 2 about here](#)

Table 2 shows that sexual minority women had significantly higher poor to fair perceived physical health than exclusively heterosexual participants (13% vs. 10%). Chi-square tests showed that sexual minority women had significantly poorer mental health indicators than exclusively heterosexual women in all categories. Among lesbian or bisexual women, nearly 20% (vs. 12% in heterosexual participants) reported ever being diagnosed with a mental illness by a psychiatrist or psychologist, 43.4% (vs. 32%) moderate to severe depressive symptoms, and 13% (vs. 6%) reported suicidal ideation in the last year.

[Supplementary Table 3 about here](#)

Our study found that Asian-American lesbian and bisexual women are significantly more likely to report poorer mental health status (lifetime psychiatric diagnosis, depressive symptoms, and current suicide ideation) compared to their heterosexual counterparts. Table 3 presents results from multiple multivariate logistic regression models examining sexual orientation and mental health indicators, while controlling for age, education level, birthplace, and ethnicity. These models indicate that identifying as lesbian or bisexual is significantly associated with increased odds of all three mental health indicators. In addition, young Asian-American women (aged 18-24 years) were less likely to receive a psychiatric diagnosis in the past year compared to older (aged 25-35) counterparts (OR=.4), and women in the middle education group (some or all of college) were less likely to receive psychiatric diagnosis in the past year (OR=.5) compared to women in the low education group (high school or less).

Supplementary Table 2: Number and Prevalence of Lesbian, Bisexual and Heterosexual Asian-American Women by Mental Health Status, Mental Health Care Utilization and Unmet Needs for Health Care ($n=701$)

	Exclusively heterosexual ($n=572$, 82%)		Lesbian or bisexual ($n=129$, 18%)		Total ($n=701$, 100%)		P-value
	n	% ^a	n	% ^b	n	% ^c	
Insurance status							
Non-insured	97	17	21	16	118	17	.852
Insured	475	83	108	84	583	83	
Perceived physical health							
Poor or fair	55	10	17	13	72	10	.014
Good, very good, or excellent	158	28	49	38	207	30	
	359	63	63	49	422	60	
Mental Health Indicators							
Ever having psychiatric diagnosis							
No	503	88	103	80	606	87	.019
Yes	67	12	25	20	92	13	
Depressive symptom							
Minimal	391	68	73	57	464	66	.011
Moderate to severe	181	32	56	43	237	34	
Suicide ideation in last year							
No	538	94	112	87	650	93	.003
Yes	33	6	17	13	50	7	
Health care utilization							
Mental health care access in last year							
No	513	90	101	78	614	88	.000
Yes	58	10	28	22	86	12	
Mental health service use at least 4 times in last year (among those receiving any services)							
No	31	53	13	47	44	51	.542
Yes	27	47	15	54	42	49	
Mental health service use at least 8 times in last year (among those receiving any services)							
No	40	69	18	64	58	67	.664
Yes	18	31	10	36	28	33	
Unmet needs for health care							
No	488	85	89	69	577	82	.000
Yes	84	15	40	31	124	18	

^{a,b,c}Total percentages may be greater than 100 percent because percentages were rounded up.

Supplement Table 3: Logistic Regression Analysis of Predicting Mental Health Status ($n=701$)

	Ever had psychiatric diagnosis		Moderate to severe depressive symptoms		Suicide ideation in last year	
	OR	CI	OR	CI	OR	CI
Sexual minority (heterosexual: ref)						
Lesbian or bisexual	1.77*	1.05-2.98	1.73**	1.16-2.57	2.67***	1.40-5.89
Age (old age: ref)						
Young age	.40***	.22-.72	1.31	.81-2.11	2.32	.76-7.04
Education (low education: ref)						
Mid education	.54*	.30-.98	.98	.62-1.54	.42*	.21-.83
High education	.46	.18-1.16	1.24	.60-2.53	.70	.18-2.64
Birth place (foreign born: ref)						
U.S. born	1.24	.77-2.01	1.19	.85-1.67	.88	.48-1.61
Ethnicity (Chinese: ref)						
Korean	1.07	.60-1.89	1.12	.74-1.68	1.46	.67-3.16
Vietnamese	.71	.38-1.34	1.36	.90-2.054	2.078*	1.04-4.17
Mixed	.78	.31-1.94	.61	.30-1.21	.27	.04-2.11

* $p < .05$ ** $p < .01$ *** $p < .001$