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Sexual Orientation Group Differences in Perceived Stress and Depressive Symptoms Among Young Adults in the United States

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Abstract

Purpose: Overall, sexual minorities have poorer mental health than heterosexual individuals, and stress is thought to underlie such disparities. However, sexual minorities include both those identifying as lesbian, gay, or bisexual (LGB) and many who do not (e.g., individuals identifying as mostly heterosexual, or as heterosexual but with discordant same-sex attractions or behaviors), and little is known about the mental health or stress experiences of non-LGB identified sexual minorities. This study assessed perceived stress and depressive symptom differences between concordant heterosexual individuals and three groups of sexual minority young adults (LGB, mostly heterosexual, and discordant heterosexual individuals).

Methods: Data were from the National Longitudinal Study of Adolescent to Adult Health, Wave IV (2008– 2009). Descriptive and bivariate statistics were estimated. Path analyses assessed whether perceived stress mediated differences in depressive symptomatology. Analyses were weighted and gender-stratified.

Results: Mostly heterosexual individuals comprised the largest sexual minority group, for both men (3.58%) and women (15.88%). All sexual minority groups reported significantly more depressive symptoms than concordant heterosexual individuals, for both men and women (all P < 0.05). Among women, all sexual minority groups reported significantly higher perceived stress than concordant heterosexual individuals (all P < 0.05), which partially mediated elevations in depressive symptomatology (all P < 0.05). Mostly-heterosexual-identified men reported significantly higher perceived stress than concordant heterosexual men (P < 0.01), which partially mediated elevations in depressive symptomatology (P < 0.01).

Conclusions: Our results underscore the importance of assessing sexual orientation comprehensively to fully understand sexual minority health disparities. Additional research should examine the stressors specific to different sexual minority groups.

Keywords: depressive symptoms, health disparities, perceived stress, sexual minority

Introduction

SEXUAL MINORITIES (e.g., those who identify as lesbian, gay, or bisexual [LGB]) experience a wide range of health disparities compared to heterosexual individuals, 1 with such disparities extending to young adults.^{2–4} Disparities in depressive symptomatology are also well documented, with sexual minorities reporting more symptoms and diagnoses than heterosexual individuals, especially among youths.⁵⁻⁷ LGB mental health inequalities are hypothesized to be driven largely by exposure to social stressors, including minorityspecific stressors stemming from prejudice and stigma, placing LGB individuals at increased risk for depressive symptoms, compared to heterosexuals.8-12

Studies of health disparities start with population definitions and measurement, allowing us to compare among groups. However, inconsistencies in the measurement of sexual identity have led to the exclusion of some sexual minorities who may be relevant to this discussion. Sexuality is determined through a developmental process marked by fluidity, especially during adolescence and young adulthood, 13,14 yet in surveys, sexual identity is often defined using categories (e.g., LGB, heterosexual) that do not capture the complexity of sexual orientation. ^{13,15} For example, a sizeable proportion

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of individuals describe themselves as "mostly heterosexual," rather than as completely heterosexual or as bisexual. However, while it is increasingly accepted that mostly heterosexual individuals form a distinct (and sizeable) sexual identity group, the degree to which they are different from exclusively heterosexual individuals is not well-understood, how and due to measurement limitations, they are often excluded from relevant research.

Furthermore, sexual orientation is multidimensional, consisting of individuals' sexual identities, attractions, and behaviors. 13,18-20 The term "sexual minority" refers to those with nonheterosexual identities, attractions, and/or behaviors, 21 but single-indicator measures, such as identity, are often relied upon to distinguish sexual minorities from nonminorities. ^{14,21} Moreover, sexual orientation dimensions often do not align. ^{13,18,19} For example, "discordant heterosexual" persons are those who identify as heterosexual despite reporting same-sex attractions and/or engaging in samesex sexual behaviors. Based on their sexual identities alone, discordant heterosexual individuals may, thus, be incorrectly categorized together with heterosexuals with no same-sex attractions or behaviors. Use of single-indicator measures may lead to misclassification of people who are sexual minorities, and to biased estimates of sexual minority health disparities. 7,18,20,22,23

Because much of the existing research on sexual minority mental health compares self-identified sexual minorities to self-identified heterosexuals, relatively little is known about the mental health statuses, or the stress experiences, of sexual minorities who do not identify as such (e.g., mostly heterosexual and discordant heterosexual individuals). While some research has shown that mostly heterosexual individuals carry increased risk for mental health and substance use disorders, ^{17,24–26} very few representative studies have explicitly described the mental health of discordant heterosexual individuals. ^{25,27} Furthermore, despite its theoretical relevance, ⁸ to our knowledge, no studies have formally assessed the degree to which stress underlies any mental health hardships that may exist for either of these understudied populations.

The current study expands upon existing research in several ways. First, using nationally representative data, we explore whether differences in perceived stress exist between heterosexuals with concordant (i.e., opposite-sex only) attractions and behaviors and three sexual minority groups with variations in sexual identification: those identifying as LGB, as mostly heterosexual, or as heterosexual but with discordant behaviors or attractions. Minority Stress Theory suggests that sexual minority disparities in mental health status result from increased exposure to social stressors related to prejudice and stigma.⁸ Given their sexual minority status by at least one dimension, all sexual minority groups are hypothesized to experience increased stress exposure, compared with concordant heterosexual individuals. However, there may be differences between sexual minority groups. For example, LGB-identified sexual minorities may be more attuned to sexual orientation-related stress and therefore report more overall stress than mostly heterosexual and discordant heterosexual individuals, who may be shielded somewhat from identity-based victimization. Second, consistent with Minority Stress Theory, we hypothesize that increased levels of perceived stress will mediate depressive symptomatology disparities among sexual minorities, compared with concordant heterosexual individuals.⁸ Finally, given known gender differences in exposure to both chronic stressors and victimization, ²⁸ including sexual orientation-related stigma, ²⁹ we examine men and women separately.

Methods

Study design

The National Longitudinal Study of Adolescent to Adult Health (Add Health) is a nationally representative, longitudinal sample of adolescents enrolled in grades 7–12 in 1994– 1995. Using a multistage sampling design, 20,754 individuals were selected at Wave I to participate in in-home interviews, to be conducted longitudinally over time. Data for the present study were drawn from Wave IV of data collection, completed in 2008-2009, when respondents were 24-34 years old (N=15,701). Individuals were excluded from analysis if they were missing one or more of the following variables, described in detail below: sample weight (N=901), depressive symptoms (N=10), perceived stress (N=28), sexual orientation group (N=334), or age (N=6). Those who identified as Native American (N=115) or "other" (N=143) races were excluded due to heterogeneity within the groups. The final analytic sample was 14,216 (6,637 men, 7,579 women). Add Health participants provided written informed consent, and the study was approved by the University of North Carolina at Chapel Hill Office of Human Research Ethics.30 The present study was approved by the University of California, Los Angeles Office of the Human Research Protection Program.

Study variables

Sexual identity was measured using the question, "Please choose the description that best fits how you think about yourself." Responses were: "100% heterosexual (straight)," "mostly heterosexual (straight), but somewhat attracted to your own sex," "bisexual, that is, attracted to men and women equally," "mostly homosexual (gay), but somewhat attracted to the opposite sex," "100% homosexual (gay)," and "not sexually attracted to either males or females." Respondents were categorized as heterosexual (100% heterosexual), mostly heterosexual, or LGB (bisexual, mostly homosexual, and 100% homosexual). Respondents missing sexual identity responses, and those reporting that they were "not sexually attracted to either males or females" were categorized as missing.

Sexual behavior was measured using the following questions: "Considering all types of sexual activity, with how many male partners have you ever had sex?" and "Considering all types of sexual activity, with how many female partners have you ever had sex?" Responses were compared to respondents' self-reported genders to assess same-sex directionality. Men who engaged in sexual activity with male partners, or with both male and female partners, and women who engaged in sexual activity with female partners, or with both male and female partners, were coded as having engaged in same-sex behavior. Respondents with no same-sex partners were coded as such. Men and women missing responses for numbers of male and female sex partners, respectively, were categorized as missing.

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Sexual attraction was measured using the following questions: "Are you romantically attracted to males?" and "Are you romantically attracted to females?" Participants responded "yes" or "no." Men reporting attraction to males, women reporting attraction to females, and all respondents reporting attraction to both males and females were coded as having same-sex attraction. Respondents reporting attraction to only different-sex partners were coded as such. Men and women missing responses for attraction to males and females, respectively, and respondents not attracted to either males or females were categorized as missing.

Sexual orientation groups. Based on their sexual identities, behaviors, and attractions, respondents were categorized into one of four sexual orientation groups. Heterosexuals with concordant (opposite-sex) attractions and concordant (no prior same-sex) sexual behavior served as the comparison group. The remaining respondents were categorized into one of three sexual minority groups: LGB-identified individuals, mostly heterosexual-identified individuals, and heterosexual-identified individuals who also endorsed discordant (same-sex) attractions and/or behaviors. Three hundred and thirty-four respondents were missing the identity, behavior, and/or attraction variables necessary for categorization into sexual orientation groups and were excluded from analysis.

Depressive symptoms were measured using five items from the Center for Epidemiologic Studies Depression Scale measure of depressive symptomatology, a frequently-used and validated measure of the construct. The frequency of each of the following items was assessed in the past 7 days: "You were bothered by things that don't usually bother you," "You could not shake off the blues, even with help from your family and your friends," "You felt you were just as good as other people," "You had trouble keeping your mind on what you were doing," and "You felt depressed." Participants responded on a Likert scale ("never or rarely," "sometimes," "a lot of the time," or "most of the time or all of the time"). Items were reverse-coded as necessary. Final scores ranged from 0 (no depressive symptoms) to 15 (maximum).

Perceived stress was assessed using the four item version of the Cohen Perceived Stress Scale, a reasonably reliable and well-validated measure (Cronbach's alpha=0.67). 33,34 The items were, "In the last 30 days, how often have you felt that you were unable to control the important things in your life?," "In the last 30 days, how often have you felt confident in your ability to handle your personal problems?," "In the last 30 days, how often have you felt that things were going your way?," and "In the last 30 days, how often have you felt that difficulties were piling up so high that you could not overcome them?" Participants reported how frequently ("never," "almost never," "sometimes," "fairly often," or "very often") they experienced each of the stressors. Items were reverse-coded as necessary. Total scores ranged from 0 (low stress) to 16 (high stress).

Demographic characteristics. Gender was measured dichotomously (male, female). Age was measured as a continuous count in years. Race/ethnicity was based on self-report (non-Hispanic white, non-Hispanic black, non-Hispanic Asian, Hispanic). Those who endorsed a Hispanic ethnicity

were categorized as Hispanic, regardless of race. Nativity status was a dichotomous variable (born a US citizen vs. not). Educational attainment (less than high school, high school/General Equivalency Diploma, some college, 4-year college, more than college) and annual household income (<\$25,000, \$25,000–\$49,999, \$50,000–\$74,999, ≥\$75,000) were coded as ordinal variables. Missing income values were imputed using regression imputation.

Data analysis

Bivariate differences in depressive symptoms and perceived stress, and demographic differences were assessed between sexual orientation groups using Stata 14.35 Wald tests assessed differences for continuous variables, and design-based F tests assessed differences for categorical variables. Next, using MPlus 7,³⁶ path analyses³⁷ assessed differences in perceived stress and depressive symptomatology between concordant heterosexuals and each sexual minority group. Total, direct, and indirect effects were also estimated. Total effects models assessed depressive symptomatology differences between sexual orientation groups. Direct effects models assessed these associations, independent of potential mediating effects through perceived stress. Indirect effects models assessed the degree to which the associations were explained by (i.e., mediated through) perceived stress. All path analyses controlled for age, race/ ethnicity, nativity, education, and income. All analyses used survey weights to account for the complex survey design, and to allow for generalization to the U.S. population of young adults. Finally, all analyses were performed separately by gender.

Results

Table 1 displays mean depressive symptom and perceived stress scores, and demographic characteristics, separately by sexual orientation group among men. Concordant heterosexual men were the largest group (90.57%), followed by mostly heterosexual men (3.58%). Gay/bisexual and discordant heterosexual men each comprised 2.93% of the sample. Concordant heterosexual men had the fewest mean number of depressive symptoms (2.29) followed by gay/bisexual (2.64), mostly heterosexual (3.03), and discordant heterosexual men (3.22) (P < 0.001). Concordant heterosexual men reported the lowest mean perceived stress (4.52) followed closely by gay/bisexual men (4.74), while discordant heterosexual and mostly heterosexual men reported the same mean score (5.29) (P = 0.005). No age differences were present. Higher percentages of discordant heterosexual men were Hispanic and black and fewer were white, compared to other sexual orientation groups. Gay/bisexual and mostly heterosexual men reported higher educational attainment than other groups. However, a higher percentage of concordant heterosexual men had higher incomes, and a higher percentage of discordant heterosexual men had lower incomes, compared to other groups.

Table 2 displays mean depressive symptom and perceived stress scores, and demographic characteristics, separately by sexual orientation group among women. Among women, concordant heterosexual individuals were the largest group (75.31%), followed by mostly heterosexual (15.88%), discordant heterosexual (4.62%), and LGB individuals (4.19%).

Table 1. Selected Characteristics by Sexual Orientation Group, Men, Add Health Wave IV, $2008-2009 \ (N=6,637)$

	Concordant heterosexual	Gay, bisexual	Mostly heterosexual	Discordant heterosexual	
(N) weighted%	(N=6,000) 90.57%	(N=223) 2.93%	(N = 228) 3.58%	(N = 186) 2.93%	P
Depressive symptoms (mean, range: 0–15)	2.29	2.64	3.03	3.22	<0.001
Perceived stress (mean, range: 0–16)	4.52	4.74	5.29	5.29	0.005
Age (mean)	28.91	28.91	28.91	29.26	0.307
Race/ethnicity (%)					0.004
Hispanic	11.45	17.75	12.09	20.82	0.00.
Non-Hispanic black	15.38	13.07	8.77	23.92	
Non-Hispanic Asian	3.46	3.99	3.41	0.98	
Non-Hispanic white	69.71	65.19	75.74	54.28	
Nativity (born a US citizen) (%)	96.03	94.02	98.33	91.11	0.021
Education (%)					< 0.001
<high school<="" td=""><td>10.34</td><td>7.99</td><td>6.96</td><td>15.06</td><td>10.001</td></high>	10.34	7.99	6.96	15.06	10.001
High school/GED	30.32	18.94	18.62	44.35	
Some college	32.45	34.44	31.84	29.62	
4-year college	18.04	23.49	31.49	5.16	
More than college	8.84	15.14	11.09	5.81	
Household income (%)					< 0.001
<\$25,000	14.46	14.87	24.54	29.49	
\$25,000-\$49,999	31.14	32.70	35.08	34.64	
\$50,000-\$74,999	23.82	22.94	15.10	11.25	
≥\$75,000	30.58	29.49	25.27	24.62	

The table presents weighted means and percentages. Adjusted Wald tests were performed to calculate P values for continuous variables, and design-based F tests were performed to calculate P values for categorical variables. GED, general equivalency diploma.

Table 2. Selected Characteristics by Sexual Orientation Group, Women, Add Health Wave IV, $2008-2009 \ (N=7,579)$

	Concordant Heterosexual	Lesbian, Gay, Bisexual	Mostly Heterosexual	Discordant Heterosexual	
(N) weighted%	(N=5,756) 75.31%	$\overline{(N=316)\ 4.19\%}$	(N=1,178) 15.88%	$\overline{(N=329)\ 4.62\%}$	P
Depressive symptoms (mean, range: 0–15)	2.62	4.09	3.43	3.63	<0.001
Perceived stress (mean, range: 0–16)	4.80	6.26	5.91	5.53	< 0.001
Age (mean)	28.80	28.38	28.44	28.63	< 0.001
Race/ethnicity (%)					< 0.001
Hispanic	11.72	13.79	10.62	14.24	
Non-Hispanic black	17.65	17.03	9.20	14.14	
Non-Hispanic Asian	3.17	1.48	2.81	4.66	
Non-Hispanic white	67.46	67.71	77.37	66.95	
Nativity (born a US citizen) (%)	95.67	96.51	97.98	94.80	0.023
Education (%)					< 0.001
<high school<="" td=""><td>6.49</td><td>15.48</td><td>6.83</td><td>11.24</td><td></td></high>	6.49	15.48	6.83	11.24	
High school/GED	22.88	28.13	22.78	29.35	
Some college	34.62	36.63	38.69	33.30	
4-year college	21.08	13.85	18.14	19.61	
More than college	14.94	5.91	13.57	6.51	
Household income (%)					< 0.001
<\$25.000	18.40	36.02	17.81	24.00	
\$25,000-\$49,999	30.56	31.88	31.04	34.04	
\$50,000-\$74,999	23.21	17.28	25.47	19.28	
≥\$75,000	27.83	14.82	25.68	22.68	

The table presents weighted means and percentages. Adjusted Wald tests were performed to calculate P values for continuous variables, and design-based F tests were performed to calculate P values for categorical variables.

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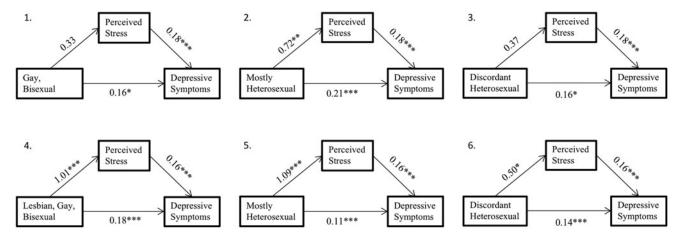


FIG. 1. Associations between sexual orientation group, perceived stress, and depressive symptoms: Path coefficients, weighted path analyses, Add Health Wave IV, 2008-2009 (N=6,637 men, 7,579 women). Values reported are path coefficients. All analyses controlled for sex, age, race/ethnicity, nativity, educational attainment, and household income. ***P<0.001; **P<0.05. 1. Gay/bisexual, compared with concordant heterosexual, men; 2. Mostly heterosexual, compared with concordant heterosexual, men; 4. Lesbian/gay/bisexual, compared with concordant heterosexual, women; 5. Mostly heterosexual, compared with concordant heterosexual, women; and 6. Discordant heterosexual, compared with concordant heterosexual, women.

Concordant heterosexual women had the fewest mean number of depressive symptoms (2.62) followed by mostly heterosexual (3.43), discordant heterosexual (3.63), and LGB women (4.09) (P < 0.001). Concordant heterosexual women reported the lowest mean perceived stress (4.80) followed by discordant heterosexual (5.53), mostly heterosexual (5.91), and LGB women (6.26) (P < 0.001). Small, but significant age differences existed between groups. Higher percentages of mostly heterosexual women were white and were born as U.S. citizens, compared with other sexual orientation groups. Concordant heterosexual and mostly heterosexual women reported higher educational attainment than other groups. Finally, a higher percentage of concordant heterosexual women had higher incomes, and a higher percentage of LGB women had lower incomes, compared with other groups.

Figure 1 presents individual path coefficients from a series of path analyses, controlling for covariates. Among both men and women, each sexual minority group had more depressive symptoms than concordant heterosexuals (all P < 0.05). For both men and women, increased perceived stress was associated with more depressive symptoms (all P < 0.001). Among women, each sexual minority group reported higher perceived stress than concordant heterosexual individuals (all P < 0.05). However, only mostly heterosexual men reported higher perceived stress than concordant heterosexual men (P < 0.01).

Table 3 presents the total, direct, and indirect effect estimates from the path analyses. Among women, all sexual minority subgroups had significant total, direct, and indirect effects (i.e., sexual minority groups had increased perceived stress, which in turn, was associated with more depressive symptoms), compared to concordant heterosexual individuals (all P < 0.05). However, among men, while all sexual minority groups had significant total and direct effects (all P < 0.05), only mostly heterosexual individuals had significant indirect effects (P < 0.01), compared with concordant heterosexual individuals.

Discussion

Our results highlight several variations that exist in sexual identification among sexual minorities and underscore the importance of comprehensively assessing multiple sexual orientation dimensions to fully understand sexual orientation health differences. Among both men and women, all sexual minority groups—LGB, mostly heterosexual, and discordant heterosexual respondents—experienced more depressive symptoms than concordant heterosexual respondents. While consistent with research showing mental health disparities between heterosexual and LGB people, 5-7 our findings also show that frequently excluded sexual minority groups—mostly heterosexual and discordant heterosexual

Table 3. Mediating Effect of Perceived Stress on the Associations Between Sexual Orientation Groups and Depressive Symptomatology, Weighted Path Analyses, Add Health Wave IV, 2008–2009. (N=6,637 Men, 7,579 Women)

	Men, B (SE)	Women, B (SE)
Lesbian, gay, bisex	ual	
Total effect	0.22 (0.09)**	0.34 (0.06)***
Direct effect	0.16 (0.07)*	0.18 (0.05)***
Indirect effect	0.06 (0.04)	0.17 (0.05)***
Mostly heterosexua	1	
Total effect	0.34 (0.07)***	0.29 (0.03)***
Direct effect	0.21 (0.06)***	0.11 (0.03)***
Indirect effect	0.13 (0.05)**	0.18 (0.02)***
Discordant heterose	exual	
Total effect	0.23 (0.07)**	0.22 (0.06)***
Direct effect	0.16 (0.07)*	0.14 (0.04)***
Indirect effect	0.07 (0.05)	0.08 (0.04)*

For all models, concordant heterosexuals are the referent group. All models controlled for sex, age, race/ethnicity, nativity status, educational attainment, and household income.

***P<0.001; **P<0.01; *P<0.05.

individuals—experience similar mental health disparities to LGB-identified individuals. Furthermore, several sociodemographic differences (e.g., race/ethnicity, education) were present across sexual minority groups, highlighting important intersections between sexual identity and other identities and characteristics, which should be explored further.

These results further show that, among young adults, the mostly heterosexual and discordant heterosexual populations are as large, or larger, than the population of LGB-identified individuals, and that, at least in terms of perceived stress and depressive symptoms, they are more similar to LGB individuals than concordant heterosexual individuals. This suggests that measures relying on identity alone may misclassify young sexual minority individuals who identify as heterosexual, masking the extent of sexual minority mental health disparities, and impeding researchers' and practitioners' abilities to assess and intervene with the full sexual minority population.

As the purpose of this study was to compare sexual minorities identifying as such to those who do not, LGB-identified sexual minorities were combined into a single analytic group. However, it will be important for future research to examine differences between sexual minority identities. For instance, there is growing evidence that bisexuals experience differential and often deeper health disparities than gay and lesbian individuals. ^{38,39}

Gender differences

Although women and men were not compared directly, results from our stratified analyses suggest that gender differences exist in stress and mental health processes among sexual minorities. Compared to men, women were approximately 4.5 times as likely to identify as mostly heterosexual, and were approximately 1.6 times as likely to be discordantly heterosexual, consistent with previous research showing that young women express more variability and fluidity than men in the use of sexual identity labels.²⁰ Furthermore, among women, all sexual minority groups reported higher perceived stress than concordant heterosexual individuals, which partially mediated increases in depressive symptomatology. These findings are consistent with Minority Stress Theory, which asserts that increased social stress underlies mental health disparities among sexual minorities.8 However, among men, only the results for mostly heterosexual men fully supported minority stress hypotheses. Although gay/bisexual-identified men and discordant heterosexual men reported more depressive symptoms than concordant heterosexual men, they did not report more perceived stress, nor did stress mediate the relationship between sexual orientation and depressive symptomatology.

The gender differences that we reported in the impact of perceived stress on depressive symptoms might represent a limitation of our measure of stress, which assessed general stress rather than specific minority stress processes. Although perceived stress mediated mental health disparities for all groups of sexual minority women measured here and among mostly heterosexual men, it may have a more tenuous role among gay/bisexual and discordant heterosexual men. It is possible that alternative or more refined measures of stress (e.g., minority-specific stressors, including prejudice events, internalized homophobia, or expectations of rejection^{8,40}) would show the hypothesized full mediation of depressive

symptom disparities for these groups. Additional research is needed to assess these hypotheses.

Furthermore, while all sexual minorities may experience stress associated with decisions to reveal or conceal aspects of their sexual orientations (identity, attractions, and/or behaviors),²⁴ it is also possible that group differences exist in exposure to other stressors. For example, salient stressors for LGB-identified individuals might include harassment, whereas more salient stressors for discordant and mostly heterosexual individuals might include isolation from similar others. To address health disparities meaningfully, future studies should assess, more comprehensively, differences in the types of stressors most salient to different sexual minority groups.

Limitations

There are analytic limitations of our study. Although this article advocates for assessing sexual orientation comprehensively, we were limited by the items available in Add Health. For example, the response options available for the identity term confound identity with attraction [e.g., "mostly heterosexual (straight), but somewhat attracted to your own sex"]; and the measure included the term "gay" as an example of "homosexual," but not other nonheterosexual identities (e.g., lesbian, queer). In addition, sample size concerns led to excluding Native American and "other" races, because no meaningful analyses could be performed on these groups. These data were collected in 2008–2009, and so do not account for recent social changes surrounding the acceptance of sexual diversity, or possible changes in the use of identity labels. Finally, these data are cross-sectional, limiting our ability to draw inferences about the causal nature of the associations we presented.

Conclusion

This study highlighted several important intersections between sexual identity, attraction, behavior, and gender. To our knowledge, this is the first study to formally assess stress as a mechanism by which two understudied sexual minority groups—mostly heterosexual and discordant heterosexual individuals—experience disparities in depressive symptomatology, particularly among women. It shows that in addition to LGB-identified persons, discordant heterosexual and mostly heterosexual individuals should be studied as at risk, sexual minority populations.

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Author Disclosure Statement

No competing financial interests exist.

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