

Emotional support, negative interaction and DSM IV lifetime disorders among older African Americans: findings from the national survey of American life (NSAL)

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Objectives: Both emotional support and negative interaction with family members have been linked to mental health. However, few studies have examined the associations between emotional support and negative interaction and psychiatric disorders in late life. This study investigated the relationship between emotional support and negative interaction on lifetime prevalence of mood and anxiety disorders among older African Americans.

Design: The analyses utilized the National Survey of American Life.

Methods: Logistic regression and negative binomial regression analyses were used to examine the effect of emotional support and negative interaction with family members on the prevalence of lifetime DSM-IV mood and anxiety disorders.

Participants: Data from 786 African Americans aged 55 years and older were used.

Measurement: The DSM-IV World Mental Health Composite International Diagnostic Interview (WMH-CIDI) was used to assess mental disorders. Three dependent variables were investigated: the prevalence of lifetime mood disorders, the prevalence of lifetime anxiety.

Results: Multivariate analysis found that emotional support was not associated with any of the three dependent variables. Negative interaction was significantly and positively associated with the odds of having a lifetime mood disorder, a lifetime anxiety disorder and the number of lifetime mood and anxiety disorders.

Conclusions: This is the first study to investigate the relationships among emotional support, negative interaction with family members and psychiatric disorders among older African Americans. Negative interaction was a risk factor for mood and anxiety disorders among older African Americans, whereas emotional support was not significant. Copyright © 2010 John Wiley & Sons, Ltd.

Key words: social support; anxiety; mood disorder; depression; elderly blacks; support network; negative interaction

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Introduction

Social support is important for health and well-being across the life course, particularly in late life. Among

older adults, social support has been consistently linked to mental health outcomes, including symptoms of depression (Travis *et al.*, 2004) and anxiety (Mehta *et al.*, 2004). Few studies, however, have examined the

association between social relationships and diagnosable mental disorders in late life, particularly among older African Americans. In addition, in comparison to research on social support, relatively little attention has been given to the potentially harmful effects that may occur as a result of negative interaction with family members.

The present study investigates the relationship between emotional support and negative interaction with family members on lifetime mental disorders among older African Americans. It builds on recent findings that 23% of older African Americans met criteria for at least one lifetime DSM-IV psychiatric disorder (Ford *et al.*, 2007). This analysis supports recent commentaries calling for greater understanding of potential protective factors (e.g., family support networks) in the development of mental disorders among ethnic minorities (Okereke and Faison, 2008).

A long tradition of research has documented the importance of family support networks for African Americans (Taylor *et al.*, 1990; Chatters *et al.*, 2002). Extended family networks and relationships are important resources for a variety of concerns including assistance when ill or disabled (Dilworth-Anderson *et al.*, 1999), providing a place to live when confronting homelessness (Taylor *et al.*, 2003) and assistance in coping with psychiatric problems (Woodward *et al.*, 2008). For example, a recent study found that social support from family and friends was associated with fewer depressive symptoms among African Americans (Lincoln *et al.*, 2005). However, in addition to the noted benefits of family support, emerging evidence suggests that not all relationships with family members are positive and that negative interactions with family members may be detrimental to mental health.

The concept of negative interactions refers to unpleasant social encounters and interactions that are characterized by conflict, excessive demands and/or criticism (Lincoln, 2000). Several terms are used to describe these interactions including social negativity, social undermining, and problematic social relationships (see review by Lincoln, 2000). Within the gerontological literature, negative interaction is the term most consistently used (Rook, 1984; Krause, 2005; Lincoln, 2007). Negative interactions are regarded as a natural consequence of participation in social networks and can be a fairly common occurrence among family members (Rook and Ituarte, 1999), especially when extensive support is provided (Newsom and Schulz, 1998). Thus, social support and negative interactions frequently co-occur, while at the same time having distinct effects on mental health. Negative interactions with family are among the most upsetting stressors that people experience (e.g., Bolger *et al.*,

1989; Neighbors, 1997). Even when negative interactions occur infrequently, they adversely impact physical and mental health (Rook, 1984; Krause, 2005).

Furthermore, empirical findings indicate that negative interactions are important predictors of psychological functioning (Rook, 1984; Krause, 2005), negative affect (Newsom *et al.*, 2003), heightened physiological reactivity (King *et al.*, 2002), increased susceptibility to infectious disease (Cohen *et al.*, 1997), declines in physical functioning (Seeman and Chen, 2002), and increased mortality (Tanne *et al.*, 2004). A nationally representative sample of adults aged 21–54 (Zlotnick *et al.*, 2000; Bertera, 2005) found that, across a variety of networks (e.g., spouses, relatives, and friends), negative interaction with social network members was associated with a higher number of anxiety and mood disorder episodes. Finally, a small, but emerging literature among African Americans indicates that negative interaction with family members is associated with increased psychological distress among both elderly (Okun and Keith, 1998) and adults of all ages (Lincoln *et al.*, 2005; Lincoln *et al.*, 2007).

Despite the distinct influence of social support and negative interactions on mental health, there is some evidence that the mechanisms through which these influences occur are similar. Reviews of the literature on social support indicate that emotional support, in particular (e.g., being cared for and loved), is especially beneficial for health and well-being, possibly due to a protective role in bolstering positive self-regard (e.g., self-esteem and self-efficacy). Similarly, the impact of negative interactions with family members is thought to work by instilling negative self-attributions which lead to negative mental states (e.g., psychological distress, depression, and anxiety). Prior studies indicate that emotional support and negative interaction have a weak, negative correlation (Lincoln, 2000). This is primarily due to the fact that emotional support and negative interaction, while occurring simultaneously within social networks, are conceptually different dimensions with distinct effects on mental health (Lincoln *et al.*, 2003b).

This study examines the association between emotional support and negative interaction on the lifetime prevalence of mood and anxiety disorders among older African Americans using data from the National Survey of American Life (NSAL). It contributes to the existing knowledge in several ways. This is the first study that examines the influence of emotional support and negative interactions on mental disorders among older African Americans. It builds upon the limited amount of available literature on the influence of negative interaction on a variety of outcomes

including psychological distress. Further, it is one of a handful of studies on the correlates of mental disorders among older African Americans. Lastly, this investigation is important in a practical sense given the noted deleterious effects of negative interactions on mental health coupled with older African Americans' heavy reliance on social networks in meeting day-to-day needs.

Methods

Sample

The NSAL was collected by the Program for Research on Black Americans at the University of Michigan's Institute for Social Research. It is the most comprehensive and detailed study of mental disorders and the mental health of Americans of African descent ever completed (Jackson *et al.*, 2004). The NSAL focuses on the physical, emotional, mental, structural, and economic conditions of African Americans, with a major emphasis on mental health and mental illness.

The field work for the study was completed by the Institute for Social Research's Survey Research Center, in cooperation with the Program for Research on Black Americans. Data were collected from 2001 to 2003. The NSAL sample consists of 64 primary sampling units. Fifty-six of these primary areas overlap substantially with existing Survey Research Center's National Sample primary areas. The remaining eight primary areas were chosen from the South in order for the sample to represent African Americans in the proportion in which they are distributed nationally.

A total of 6082 face-to-face interviews were conducted with persons aged 18 or older, including 3570 African Americans, 891 non-Hispanic whites, and 1621 blacks of Caribbean descent. The interviews were conducted in respondents' homes and they were compensated for their time. There were 786 African Americans age 55 and older with complete data. The overall response rate was 72.3%. This response rate is excellent when considering that African Americans (especially lower income African Americans) are more likely to reside in major urban areas which are more difficult and much more expensive to collect interviews. The NSAL sample is discussed in detail elsewhere (Jackson *et al.*, 2004).

Demographic description of the sample

The respondents in this older African American sample ranged from 55 to 93 years of age ($M = 66.62$; $SD = 7.26$). Approximately 60% of the respondents are

women. Four out of 10 (39.71%) are married, 3 out of 10 (31.82%) are widowed, and 3 out of 10 respondents (28.47%) are divorced, separated, or never married. More than half (55.6%) of the sample resides in the South. With regards to socioeconomic status, the average imputed family income is \$32 881 ($SD = \$33 110$) and the average years of education is 11.48 ($SD = 2.96$). One third of the respondents (33.86%) indicate that they are currently employed while only 1 in 20 (4.69%) are currently unemployed. The remainder of the respondents (61.44%) indicate that they are not in the labor force.

Measures

Three dependent variables are utilized in this analysis: (1) lifetime mood disorders, (2) lifetime anxiety disorders, and (3) number of lifetime mood and anxiety disorders. The DSM-IV World Mental Health Composite International Diagnostic Interview (WMH-CIDI), a fully structured diagnostic interview, was used to assess mood and anxiety disorders. The mental disorders sections used for NSAL are slightly modified versions of those developed for the World Mental Health Project initiated in 2000 (World Health Organization, 2004) and the instrument used in the National Comorbidity Survey-Replication (NCS-R) (Kessler and Ustun, 2004). Anxiety disorders include: panic disorder, agoraphobia, social phobia, generalized anxiety disorder, obsessive-compulsive disorder, and posttraumatic stress disorder. Mood disorders include: major depressive disorder, dysthymia, and bipolar I and II disorders. Obsessive-compulsive disorder was assessed using the CIDI-short forms (Kessler *et al.*, 1998). The number of disorders is a count of the number of mood and anxiety disorders.

Emotional support (an affective dimension of social support) is measured by an index of three items. Respondents were asked 'Other than your (spouse/partner) how often do your family members: (1) make you feel loved and cared for, (2) listen to you talk about your private problems and concerns, and (3) express interest and concern in your well-being?' Response categories range from 'very often' to 'never' with higher values on this index indicating higher levels of emotional support. Cronbach's α for this 3-item index is 0.72. Negative interaction is also measured by an index of three items. Respondents were asked 'Other than your (spouse/partner) how often do your family members: (1) make too many demands on you?, (2) criticize you and the things you do?, and (3) try to take advantage of you?' The response categories for

these questions were 'very often', 'fairly often', 'not too often', and 'never'. Higher values on this index indicate higher levels of negative interaction with family members (Cronbach's $\alpha = 0.75$). For purposes of bivariate analysis only, low, medium, and high levels of emotional support and negative interaction were derived from tertiles of the indices.

Analysis strategy

Cross-tabulations are presented to illustrate demographic differences in prevalence of disorders. The percentages represent weighted proportions based on the distribution of African Americans in the population. The standard errors reflect the recalculation of variance using the study's complex design. The Rao–Scott χ^2 represents a complex design-corrected measure of association. Logistic regression analysis was used to examine the effect of emotional support and negative interaction on the prevalence of mood and anxiety disorders. Odds ratio estimates and 95% confidence intervals are presented along with the design-corrected F statistic. Negative binomial regression was used to examine the effect of emotional support and negative interaction on the number of mood and anxiety disorders for which respondents met criteria. Rate ratio

estimates and 95% confidence intervals are presented. All analyses were conducted using Stata 9.2 which uses the Taylor expansion approximation technique for calculating the complex design-based estimates of variance.

Results

Almost one out of four respondents (22.93%) had one mental disorder over the course of their lifetime, 13.23% of respondents had a lifetime anxiety disorder, and 6.33% had a lifetime mood disorder. One in 10 (10.14%) respondents reported having two or more disorders in their lifetime and the number of mood and anxiety disorders ranged from 0 to 6 and had a mean of 0.3.

Bivariate analyses (Table 1) indicate that among persons reporting a mood or anxiety disorder, a greater proportion were 55–64 years old. Those with mood or anxiety disorder were more likely to be female, have less than a high school education, were not working, and had less than \$21 000 in household income. They were also more likely to be previously married compared to respondents with no psychiatric disorder. Roughly equal proportions of respondents with mood or anxiety disorder reside in the South, while most

Table 1 Characteristics of respondents by disorder ($N = 786$)

	No disorder $n = 652$ % (SE)	Mood disorder $n = 62$ % (SE)	Anxiety disorder $n = 106$ % (SE)
Age			
55–64	43.1 (1.9)	66.1 (6.0)	58.5 (4.8)
65–74	37.0 (1.8)	27.4 (5.7)	32.1 (4.5)
75+	19.9 (1.5)	6.5 (3.1)	9.4 (2.8)
Gender			
Male	37.3 (1.8)	29.0 (5.8)	26.4 (4.3)
Female	62.7 (1.8)	71.0 (5.8)	73.6 (4.3)
Education			
<12 years	42.7 (1.9)	45.9 (6.4)	49.5 (4.9)
12 years	29.9 (1.8)	39.3 (6.3)	29.5 (4.5)
≥13 years	27.4 (1.7)	14.8 (4.5)	20.9 (4.0)
Employment status			
Employed	33.7 (1.8)	37.1 (6.1)	26.4 (4.3)
Not working	62.2 (1.8)	54.8 (6.3)	65.1 (4.6)
Unemployed	4.0 (0.7)	8.1 (3.5)	8.5 (2.7)
Income			
<\$21 000	56.3 (1.9)	67.7 (5.9)	67.9 (4.5)
≥\$21 000	43.7 (1.9)	32.3 (5.9)	32.1 (4.5)
Marital status			
Married/partner	31.5 (1.8)	24.2 (5.4)	21.7 (4.0)
Widowed	36.7 (1.8)	29.0 (5.8)	36.8 (4.7)
Divorced	18.5 (1.5)	29.0 (5.8)	24.5 (4.2)
Separated	6.5 (0.9)	9.7 (3.8)	6.6 (2.4)
Never married	6.8 (1.0)	8.1 (3.5)	10.4 (3.0)
Region			
South	64.6 (1.8)	53.2 (6.3)	50.0 (4.9)
Northeast, midwest, west	35.4 (1.8)	46.8 (6.3)	50.0 (4.9)

Table 2 Characteristics of respondents by number of disorders ($N=786$)

	No disorder $n=652$ % (SE)	One disorder $n=78$ % (SE)	Two or more disorders $n=56$ % (SE)
Age			
55–64	43.1 (1.9)	59.3 (7.0)	59.5 (7.3)
65–74	37.0 (1.8)	32.5 (7.0)	32.1 (7.8)
75+	19.9 (1.5)	8.3 (3.5)	8.4 (3.6)
Gender			
Male	37.3 (1.8)	36.5 (4.8)	29.8 (6.0)
Female	62.7 (1.8)	63.5 (4.8)	70.2 (6.0)
Education			
<12 years	42.7 (1.9)	38.2 (6.1)	50.6 (5.8)
12 years	29.9 (1.8)	33.3 (6.4)	33.3 (8.2)
≥13 years	27.4 (1.7)	28.5 (5.7)	16.1 (6.6)
Employment status			
Employed	33.7 (1.8)	38.6 (7.1)	26.4 (6.5)
Not working	62.2 (1.8)	52.5 (6.9)	67.3 (6.2)
Unemployed	4.0 (0.7)	8.9 (3.4)	6.3 (3.3)
Income			
<\$21 000	56.3 (1.9)	54.5 (6.1)	68.0 (8.2)
≥\$21 000	43.7 (1.9)	45.5 (6.1)	32.0 (8.2)
Marital status			
Married/partner	31.5 (1.8)	25.2 (5.6)	33.0 (5.4)
Widowed	36.7 (1.8)	31.2 (5.5)	31.2 (7.1)
Divorced	18.5 (1.5)	20.6 (5.2)	21.1 (4.9)
Separated	6.5 (0.9)	8.4 (3.8)	7.1 (4.5)
Never married	6.8 (1.0)	14.6 (7.1)	7.7 (3.8)
Region			
South	64.6 (1.8)	52.2 (8.1)	38.7 (5.5)
Northeast, midwest, west	35.4 (1.8)	47.8 (8.1)	61.3 (5.5)

respondents without disorders live in the South. Bivariate analysis of the number of disorders (Table 2) also indicates that younger respondents (55–64), women, those with lower levels of income and education, and non-Southerners had more disorders.

Figure 1 represents the bivariate associations between emotional support and the presence of mood and anxiety disorder. There are no significant differences in the distribution of mood or anxiety disorder by reported level of emotional support from

family members. The association between negative interaction and the presence of mood or anxiety disorder is depicted in Figure 2. Respondents without a psychiatric disorder report lower levels of negative interaction with family members compared to respondents reporting either a mood or anxiety disorder. Among the 'no disorder group', a greater proportion indicated low negative interaction with family, as compared to those reporting either medium or high negative interaction. Figure 3 presents the bivariate

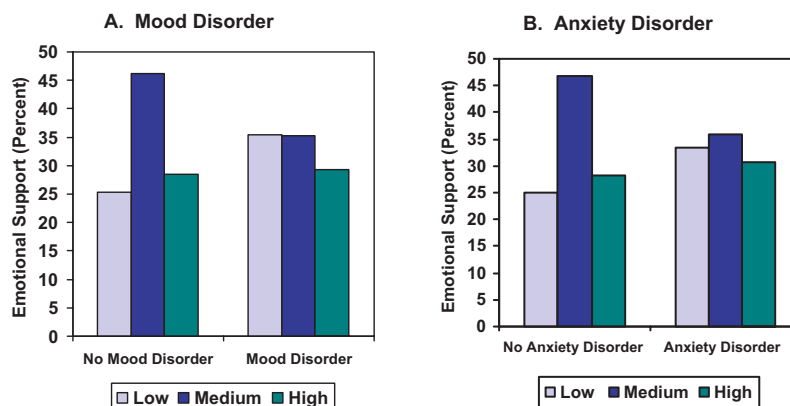


Figure 1 Level of emotional support by DSM-IV disorder. (A) Mood disorder, (B) anxiety disorder. F -test $(1,99,65,58)$ for mood disorder = 1.353, p -value = 0.266; F -test $(1,94,64,16)$ for anxiety disorder = 1.722, p -value = 0.188. This figure is available in colour online at www.interscience.wiley.com/journal/gps

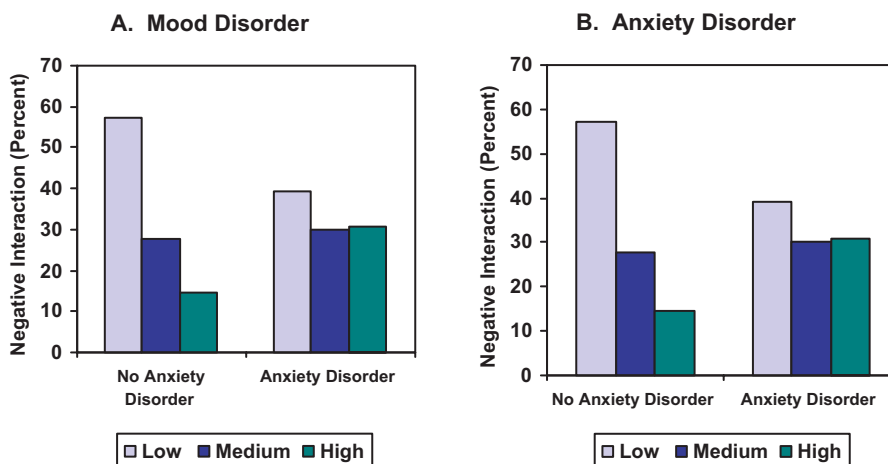


Figure 2 Level of negative interaction by DSM-IV disorder. (A) Mood disorder, (B) anxiety disorder. F -test (1.92,63.25) for mood disorder = 4.065, p -value = 0.023; F -test (1.83,60.43) for anxiety disorder = 9.419, p -value < 0.001. This figure is available in colour online at www.interscience.wiley.com/journal/gps

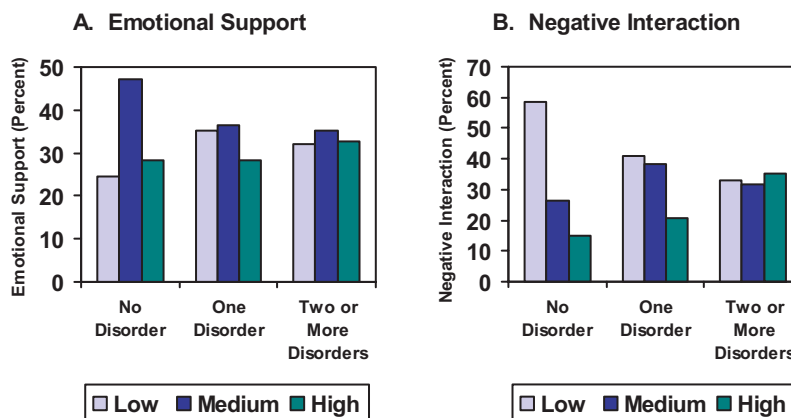


Figure 3 Level of emotional support and negative interaction by number of disorders. (A) Emotional support, (B) negative interaction. F -test (3.72,122.78) for emotional support = 1.428, p -value = 0.232; F -test (3.05,100.49) for negative interaction = 6.162, p -value < 0.001. This figure is available in colour online at www.interscience.wiley.com/journal/gps

associations between emotional support, negative interaction, and the number of disorders. Emotional support from family members was not associated with the number of disorders but respondents with more disorders reported more frequent negative interactions with family members.

The multivariate relationships between emotional support, negative interaction, and mood or anxiety disorders are shown in Table 3. Emotional support from family members was not associated with mood disorder, anxiety disorder, or the number of disorders. On the other hand, negative interaction with family members was positively associated with the presence of a mood disorder and the presence of an anxiety disorder after controlling for age, gender, employment status, income,

education, marital status, and region. Negative interaction with family members was also positively associated with the number of disorders for which respondents met criteria after adjusting for covariates.

Discussion

The current study examined the association between emotional support and negative interaction with family members and psychiatric disorders among older African Americans. Similar to previous studies of negative interaction and mental disorders (Zlotnick *et al.*, 2000; Bertera, 2005) and psychological distress (Lincoln *et al.*, 2003a, 2005), our findings indicated

Table 3 Multivariate regression of DSM-IV disorders and number of DSM-IV disorders

	Mood disorder ^a	Anxiety disorder ^a	Number of mood and anxiety disorders ^b
Independent variable Final model ^c	OR (95%CI)	OR (95%CI)	RR (95%CI)
Emotional support	0.99 (0.84, 1.15) <i>p</i> = 0.871	0.95 (0.83, 1.08) <i>p</i> = 0.398	1.01 (0.93, 1.10) <i>p</i> = 0.734
Negative interaction	1.12 (1.02, 1.25) <i>p</i> = 0.025	1.18 (1.05, 1.32) <i>p</i> = 0.006	1.14 (1.05, 1.23) <i>p</i> = 0.002
<i>F</i> _{13,21}	4.16	3.15	6.03
Prob > <i>F</i>	0.002	0.009	<0.001

Note: Significance test of the individual parameter estimates were based on a complex design-corrected *t*-test. OR = odds ratio; RR = rate ratio; 95%CI = 95% confidence interval.

^aMultivariate logistic odds ratio (95% confidence interval) and *p*-values were reported.

^bNegative binomial regression rate ratio (95% confidence interval) and *p*-values were reported.

^cAge, gender, employment status, income, education, marital status, and region were controlled for in the final models.

that negative interaction was associated with greater odds of having a mood disorder, an anxiety disorder, and the number of mood and anxiety disorders. Our results identify negative interaction with family members as a risk factor for poor mental health among older African Americans, and highlight the robust influence of negative interaction on both mood and anxiety disorders.

What is not evident from our findings are the causal relationships between negative interactions with family members and anxiety and mood disorders. That is to say, to what degree do negative interactions with family contribute to the development of anxiety or mood disorders, *versus* the degree to which they are the result of having a disorder. The presence of an anxiety or mood disorder can be the cause of significant distress in families that can easily lead to negative interactions with family members. For instance, an individual suffering from depression may experience symptom-related social withdrawal that may give rise to criticisms from family members for not acting 'normal'. Similarly, symptoms of specific anxiety disorders (e.g., compulsive rituals in OCD) may elicit criticism from family members.

The evidence, however, is less clear and consistent regarding the role of negative interactions in the development of anxiety and mood disorders. Research in the area of 'childhood adversity' indicates that the quality of interactions with family in early life is consequential for mental health status. For example, research using both treatment and community samples found that adults who suffer from mental disorders were more likely to report having been exposed to serious hardships during childhood (Kessler *et al.*, 1997). This includes a range of difficulties during

childhood including parental emotional abuse, sexual abuse, parental substance abuse, parental depression, being in a life threatening accident or disaster, and the death of a parent (Kessler *et al.*, 1997; Wilson *et al.*, 2006). However, these childhood circumstances involve varying degrees of physical and emotional trauma and are qualitatively different from negative interactions with family. Recently, Waldinger *et al.* (2007) examined the impact of negative interactions during childhood on psychiatric disorders as an adult. Using data from a 30-year prospective study, they found that difficult relations with siblings prior to age 20 was associated with the occurrence of major depressive disorder and use of mood altering drugs by the age of 50. However, Waldinger *et al.* (2007) caution that because the associations involved are so complex, a causal relationship cannot be assumed even given this 30-year prospective data.

Because our study is cross-sectional, we cannot determine causal relationships between negative interaction and anxiety and mood disorders. Even with a longitudinal study design, it can be difficult to distinguish between negative interaction with family members as an antecedent to, or as a result of psychiatric disorder. Over time and with a long history of association, negative interactions and anxiety and mood disorders may develop reciprocal patterns of association and influence. For persons with mood or anxiety disorders, criticisms and other negative interactions with family members can lead to an exacerbation of symptoms which, in turn, lead to more negative interactions and a further deterioration of the relationship.

Our findings also are consistent with research on expressed emotion and perceived criticism within

clinical samples of patients with schizophrenia, as well as mood and anxiety disorders (Hooley, 2007). Expressed emotion is measured through an interview with a key family member (e.g., parent and spouse) and assesses the degree of criticism, hostility, or emotional over-involvement the relative expresses about the family member with the psychiatric disorder. This research consistently finds that the risk of relapse is higher for schizophrenic patients whose families are characterized by high levels of expressed emotion (Butzlaff and Hooley, 1998; Lopez *et al.*, 2004). Although these findings are consistent with those of the present study, it is important to note that there are important sample and methodological differences between research on expressed emotion (i.e., treatment samples and interview with key family members) and negative interaction (i.e., community samples, interviews with respondents with and without mental disorders).

In the current investigation, emotional support from family members was not a significant correlate of having a mood disorder, an anxiety disorder, or the number of mood and anxiety disorders; indicating that negative interaction with family members is a more significant predictor of psychiatric disorders than emotional support. This is consistent with the larger body of literature that examines the simultaneous effects of positive and negative aspects of social relationships. For instance, research on psychological distress among African Americans found that negative interaction was associated with psychological distress, while emotional support was not (Lincoln *et al.*, 2005, 2007). In analysis using the 1990–1992 NCS, Bertera (2005) found that negative interaction was consistently associated with the number of 12-month mood and anxiety disorders, while emotional support was not consistently associated with these variables (Bertera, 2005). Recent analysis by Kiecolt *et al.* (2008) also using the 1990–1992 NCS found that among African Americans, emotional support from family and spouse were inversely associated with the odds of having a 12-month mental disorder, but emotional support from friends did not have a significant association (Kiecolt *et al.*, 2008). Unlike the present analysis, these studies examined 12-month, as opposed to lifetime disorders and the NCS sample's upper age range was 54 years.

The results of this study have important clinical implications. The reduction of negative family interactions is a potentially valuable intervention target that is not commonly included in empirically supported psychosocial treatment manuals for anxiety (Craske and Barlow, 2006; Craske *et al.*, 2006; Foa

et al., 2007) and depressive disorders (Freeman and Gilson, 2009). Interventions that target high levels of negative expressed emotion among families with a schizophrenic member have been shown to be effective in reducing both positive and negative symptoms of this disorder (McFarlane *et al.*, 2003). Preliminary evidence also suggests that similar interventions can be modified to address certain anxiety (Van Noppen and Steketee, 2003; Weine *et al.*, 2008) and depressive (Sanford *et al.*, 2006) disorders with beneficial effects. Future research examining the value of interventions aimed at reducing negative interaction among African Americans with depressive and anxiety disorders and their family members is clearly needed.

Limitations

This study has several limitations. First, because several segments of the population such as homeless and institutionalized individuals were not represented, our findings are not generalizable to these subgroups. Second, disorder-specific symptoms and behaviors may be underreported (potentially resulting in lower prevalence rates) due to item non-response to sensitive questions which is a common issue in survey interviewing. Third, the number of cases for several of the lifetime disorders is low and, consequently, we are unable to conduct disorder-specific analyses. Fourth, it would have been preferable to examine 12-month as opposed to lifetime disorders to lessen the temporal differences between the dependent and social relationship variables. However, the number of cases of 12-month disorders was too few to conduct reliable analysis. Finally, as noted earlier, causal inferences are problematic with cross-sectional data and longitudinal data are preferred. Nonetheless, the significant advantages of the sample provided the first opportunity to examine the impact of emotional support and negative interaction on psychiatric disorders among older African Americans.

Conclusions

The present findings are important for understanding the relationship between family interactions and mental disorders. Prior literature indicates that emotional support is beneficial for health and well-being. However, relatively few studies have examined the adverse effects of negative interactions with family on psychiatric disorders. While questions as to the precise etiology of psychiatric disorders can only be

Key points

- Negative interaction is a risk factor for mood and anxiety disorders among older African Americans. The reduction of negative family interactions is a potentially valuable intervention target that is not commonly included in empirically supported psychosocial treatment manuals for anxiety depressive disorders.

addressed with prospective data, information on negative family interactions may be important in understanding contemporaneous aspects of family environment. Study findings alert clinicians to the potential negative impacts of family involvement and their implications for psychiatric disorders. Importantly, this study explored the relationship between negative interaction with family members on mood and anxiety disorders in a population for which there was no prior information.

Conflict of interest

None known.

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