

COPING WITH CHRONIC STRESS BY UNHEALTHY BEHAVIORS: A RE-EVALUATION AMONG OLDER ADULTS BY RACE/ETHNICITY



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BACKGROUND

- Several potential mechanisms exists that explain the use of unhealthy behaviors to cope with stress
- Depression higher among Latinos, yet comparable between African Americans and Whites
- Past research has suggested that older African
 Americans engage in unhealthy behaviors to cope
 with stress and subsequently prevent depression

AIM & HYPOTHESES

- Aim: To assess the role of unhealthy behaviors in the relationship between chronic stress and depressive symptoms among African American, Latino, and White older aged adults
- Hypotheses: Engaging in ≥1 unhealthy behavior(s)

 (1) weakens the relationship between chronic stress and depressive symptoms for older African Americans and (2) strengthens this relationship for older Latinos

DATA SOURCE

- 2006-2008 Health and Retirement Study
- 6,479 adults >50 years old: 843 African Americans,
 494 Latinos, and 5,142 Whites

EXPLANATORY MEASURE

Chronic stress: (1) ever threatened/harassed, (2) ever had a life-threatening illness, (3) ever had an accidental injury, (4) moving to a worse residence/neighborhood in last 5 years, (5) losing a job involuntarily in last 5 years, (6) robbed/burglarized in last 5 years, (7) any other upsetting event in last 5 years, (8) helped a sick/limited/frail family member/friend regularly in last year, and (9) an injury/sudden crisis/health problem in last year

MODERATING FACTORS

- Unhealthy behaviors: (1) current smoking, (2) excessive/binge drinking, and (3) obesity
- Interaction terms: chronic stress and (1) unhealthy behavior index and (2-4) each individual behavior

OUTCOME & COVARIATES

- Depressive symptoms in 2008: 8-item, short-form Center for Epidemiologic Studies Depression (CES-D) scale
 - ≥4 defined significant symptoms
- Covariates: age, gender, highest level of education, and depressive symptoms in 2006

STATISTICAL ANALYSIS

 Multiple logistic regression, weighted, adjusted, and stratified by race/ethnicity

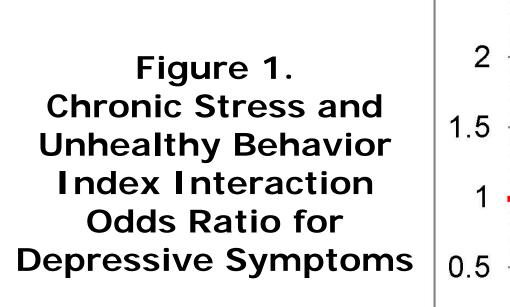
SAMPLE CHARACTERISTICS

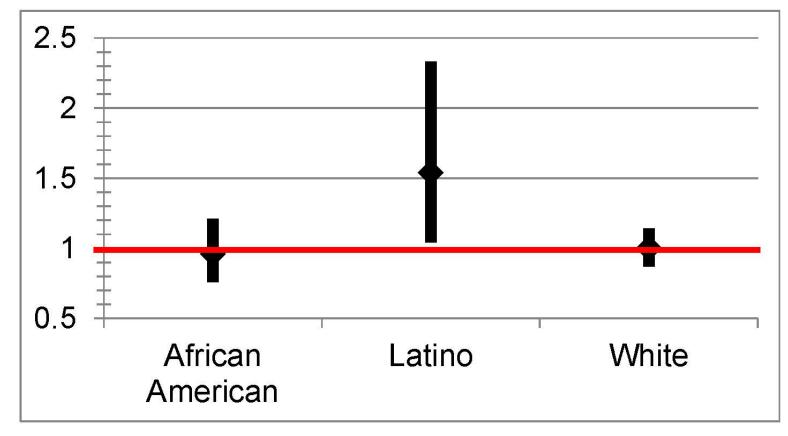
	African Amer.		Latino		White	
n (%)	843	(13)	494	(8)	5142	(79)
Characteristics	Mean	(%)	Mean	(%)	Mean	(%)
Depressive symptoms*		(21)		(31)		(17)
Stress	1.44	_	1.42	_	1.40	
Unhealthy Behaviors*	0.84		0.67		0.64	
Smoking*	_	(24)		(12)	_	(14)
Drinking*	_	(13)		(14)	_	(22)
Obese*	_	(47)		(41)	_	(30)
Note: Amer. = American; * statistically significant						

RESULTS

MODELS WITH INTERACTION TERMS

- Unhealthy behavior index <u>strengthened</u> the relationship between chronic stress and depressive symptoms among older Latinos
- No significant interactions between chronic stress and any individual unhealthy behavior





RESULTS

MODELS WITHOUT INTERACTION TERMS

- Adjusted for depressive symptoms in 2006 and all others
- Increased risk of depressive symptoms for older White smokers and mildly obese older Latinos

Figure 2. Current Smoking Odds Ratios for Depressive Symptoms

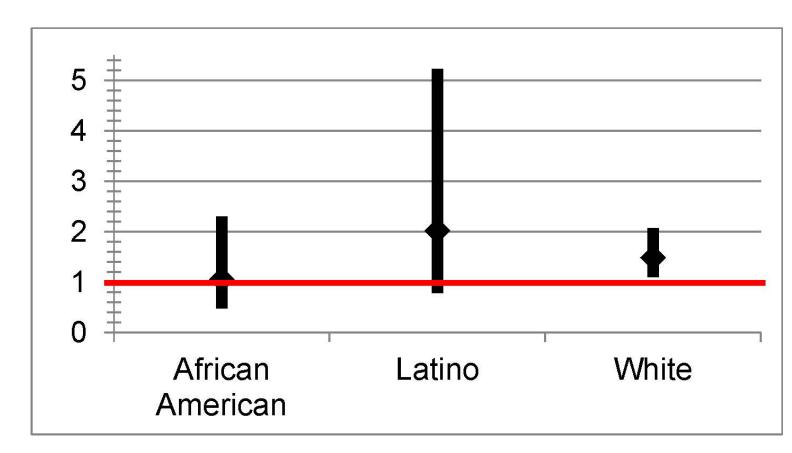


Figure 3. Excessive/Binge Drinking Odds Ratios for Depressive Symptoms

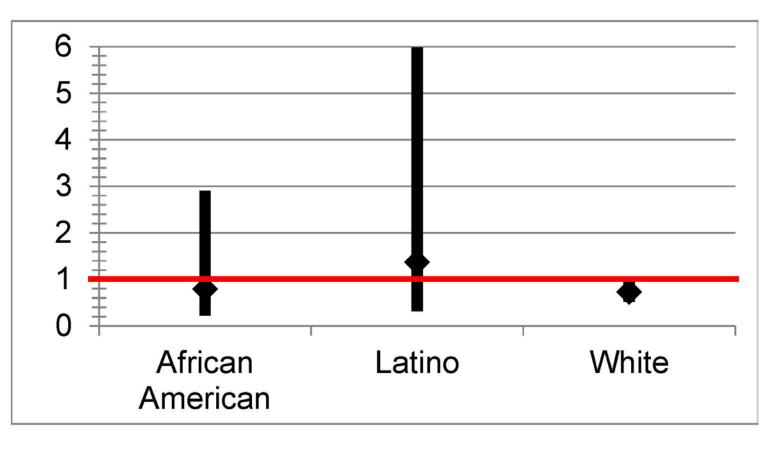
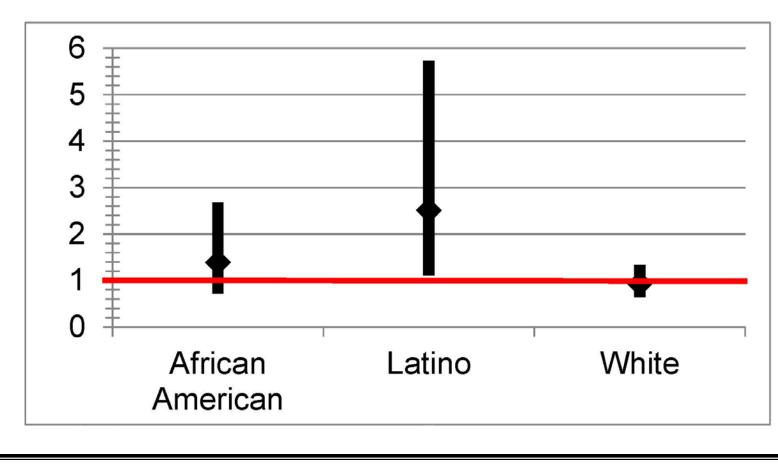


Figure 4. Mild Obesity Odds Ratios for Depressive Symptoms



CONCLUSIONS

- Results do not support past findings of coping with stress using unhealthy behaviors to prevent depression
- In the presence of chronic stress, Latino older adults who engage in increasingly more unhealthy behaviors are at increased risk of significant depressive symptoms
- Limitations: Couldn't assess clinical depression, chronic stress and unhealthy behaviors assessed at same time point, only two years between baseline and follow-up assessments, and studied only adults ≥50 years old
- Future work: assess allostatic load and change in unhealthy behaviors between time points, focus on Latinos

ACKNOWLEDGEMENTS