

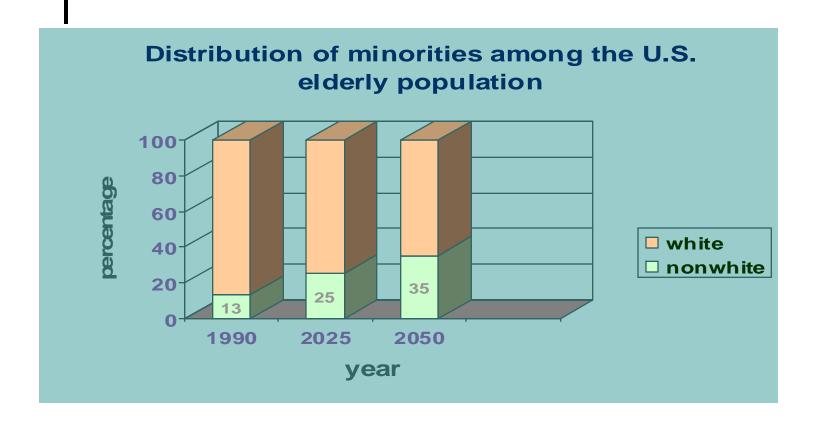
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- Depression is a major public health problem among the elderly.
 - High prevalence
 - Morbidity, mortality and quality of life
 - Socioeconomic burden
- Aging society in the US.
 - Percentage of elderly in total American population: 12.5% (1994) vs. 20% (2050)

Minorities among the elderly



• • Background (II)

- Racial/ethnic disparities in depression prevalence
 - - Percentage of minorities increases
 - Aged 60 and over at the time of arrival.
 - Exposure to risk factors of depression among minorities
 - Low socioeconomic status
 - Morbidity
 - Culture shock

• • Background (III)

- Inconsistent evidence
- African Americans report more depressive symptoms than whites (e.g. Blazer, Landerman, Hays et al., 1998; Jackson, 1997; Myers, Lesser, Rodriguez et al., 2002; Mojtabai, 2004).
- There are no racial differences in reported symptoms (e.g. Gallo, Cooper-Patrick, & Lesikar, 1998; Husaini, Castor, Linn et al., 1990).
- Hispanics had similar prevalence of major depression, compared to Whites (e.g. Dunlop et al, 2003; Riolo et al, 2005).
- African Americans had lower prevalence of major depression, compared to Whites

• • Knowledge gap

 Few studies have been done among the elderly using a nationally representative sample.

 Are results comparable using different measures for depression?

• • Objective

 To compare depression prevalence across racial/ethnic groups among the elderly

 To compare results based on different measures

• • Study Method (I)

Research Design

Observational cross-sectional study

Data Source

 National Epidemiological Survey on Alcohol and Related Conditions (NESARC) (2001-2002)

Study Sample

Inclusion criteria: 65+, community-dwelling

• • Study Method (II) – Measurement

- Dependent variable: Depression
 - DSM-IV diagnosis in the past 12 months
 - Single-Item Screen
 - How much of the time during the past 4 weeks have you felt downhearted and depressed? all of the time, most of the time, some of the time, a little of the time, or none of the time?

Study Method (III) – Measurement (Cont.)

- o Independent Variable:
 - Race/ethnicity
 - Non-Hispanic white
 - Non-Hispanic black
 - Hispanic
 - Other

Study Method (IV) – Measurement (Cont.)

o Control Variables:

- Demographic characteristics:
 - age, gender, marital status, living arrangement, # of children, psychosocial events, family history, born in US
- Socioeconomic characteristics:
 - Annual household income, education, health insurance, rural/urban status
- Health status:
 - self-reported health, chronic conditions

Analytical Approach

- Bivariate analysis
- Logistic regression model
- Sampling weights were used

• • Study population

- 8,205 participants in the analysis (N=33,764,930)
- 83.3% non-Hispanic white (n = 5,776)
 - 8.0% non-Hispanic blacks (n = 1,363)
 - 5.5% Hispanics (n = 895)
 - 3.3% Other (n= 171)
- Mean age = 74.7 years
- 57.9% female

• • Results (I) - bivariate analysis

Proportion of people with depression

Race/ethnicity	DSM-IV	Single-Item Screen	
non-Hispanic white	3.46	6.80	
non-Hispanic black	4.80* (OR = 1.41)	9.51*** (OR = 1.44)	
Hispanic	5.25** (OR = 1.55)	11.45*** (OR = 1.77)	

Notes: non-Hispanic white as reference group, *significant at .10 level; **significant at .05 level; ***significant at .01 level.

• • Results (II) – Logistic model

 After controlling for confounders, no significant differences in depression prevalence between minorities and non-Hispanic white were found.

Race/ethnicity	DSM-IV		Single-Item Screen	
	OR	95% CI	OR	95% CI
non-Hispanic white	1.00		1.00	
non-Hispanic black	1.14	(0.72,1.80)	0.89	(0.67,1.20)
Hispanic	1.20	(0.71,2.01)	0.89	(0.63,1.27)



- Minorities have higher prevalence of major depression and depressed mood compared with non-Hispanic whites among the elderly.
- After controlling for demographic, socioeconomic characteristics and health status, no significant difference in depression prevalence was found across racial/ethnic groups.
- The results are consistent for DSM-IV diagnosis and the Single-Item Screen.

• • Policy implications

- Monitoring racial/ethnic disparities in depression prevalence in large national survey
- Evaluating effectiveness and efficiency of U.S. health care system in eliminating racial/ethnic disparities in depression prevalence

• • Limitations

- Self-reported symptoms—recall bias.
- Acculturation of questions?
- Heterogeneity within minority subgroups (non-Hispanic black, Hispanic).

• • Questions?

