Sociocultural Context of Mammography Screening Use

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Key Points . . .

➤ The sociocultural context of mammography screening behav-
ior in women needs further investigation.
➤ Health behavior models often lack theoretically based cul-
tural concepts, thus limiting the prediction of mammography screening.
➤ Study results showed that African American and Caucasian women held specific cultural beliefs about mammography screening.

Miller; Champion & Skinner, 2003; Holm et al.), and increased self-efficacy or confidence in their ability to get screened (Savage & Clarke, 1996). However, Yarbrough and Braden (2001), in their review of studies of women from various racial and ethnic groups, found only low to modest correlations between health beliefs and screening. As a result, they recommended taking into account the sociocultural context of ethnic women in breast cancer screening behavior.

A few studies have examined cultural beliefs about mammography screening. Although study designs varied, lacked theoretical frameworks in survey research, and had methodologic limitations, results suggested that African American women who held specific cultural beliefs, including holism, religiosity, collectivism, future orientation, less fear, and fewer fatalistic views about breast cancer, were more likely to get screened (Danigelis et al., 1995; Hoffman-Goetz & Mills, 1997; Lukwago et al., 2003; Mitchell, Lannin, Mathews, & Swanson, 2002; Phillips, Cohen, & Moses, 1999; Phillips, Cohen, & Tarzian, 2001; Smith, Phillips, & Price, 2001). Consistent results have emerged from investigations on sociodemographics and

Despite improvements in the use of mammography screening (Blackman, Bennett, & Miller, 1999), African American women have a 32% higher breast cancer mortality rate than Caucasian women and are more likely to be diagnosed with distant-stage disease (Ghafoor et al., 2003; Jemal et al., 2005). To improve African American women’s use of screening for early disease detection, the effects of culture on screening behavior should be considered (Ashing-Giwa, 1999). The purpose of the current study was to determine the relationship of selected cultural beliefs, health beliefs, and sociodemographic characteristics to mammography screening in a sample of African American and Caucasian women.

Previous studies have shown that health beliefs are related to variations in screening practices among women. Women are more likely to participate in mammography screening if they perceive increased susceptibility to breast cancer (Aiken, West, Woodward, & Reno, 1994; Champion & Miller, 1996), decreased barriers to screening (Aiken et al.; Champion & Miller; Champion & Springer, 1999; Holm, Frank, & Curtin, 1999), increased benefits of screening (Aiken et al.; Champion &