

**Appendix**  
**Breast Cancer Incidence by Stage Before and After Change in Screening Guidelines**  
**Guo et al.**

**Appendix Table 1.** Number of Cases of Breast Cancer Among Women Aged 40–74 Years, USCS 2006–2009 and 2011–2014

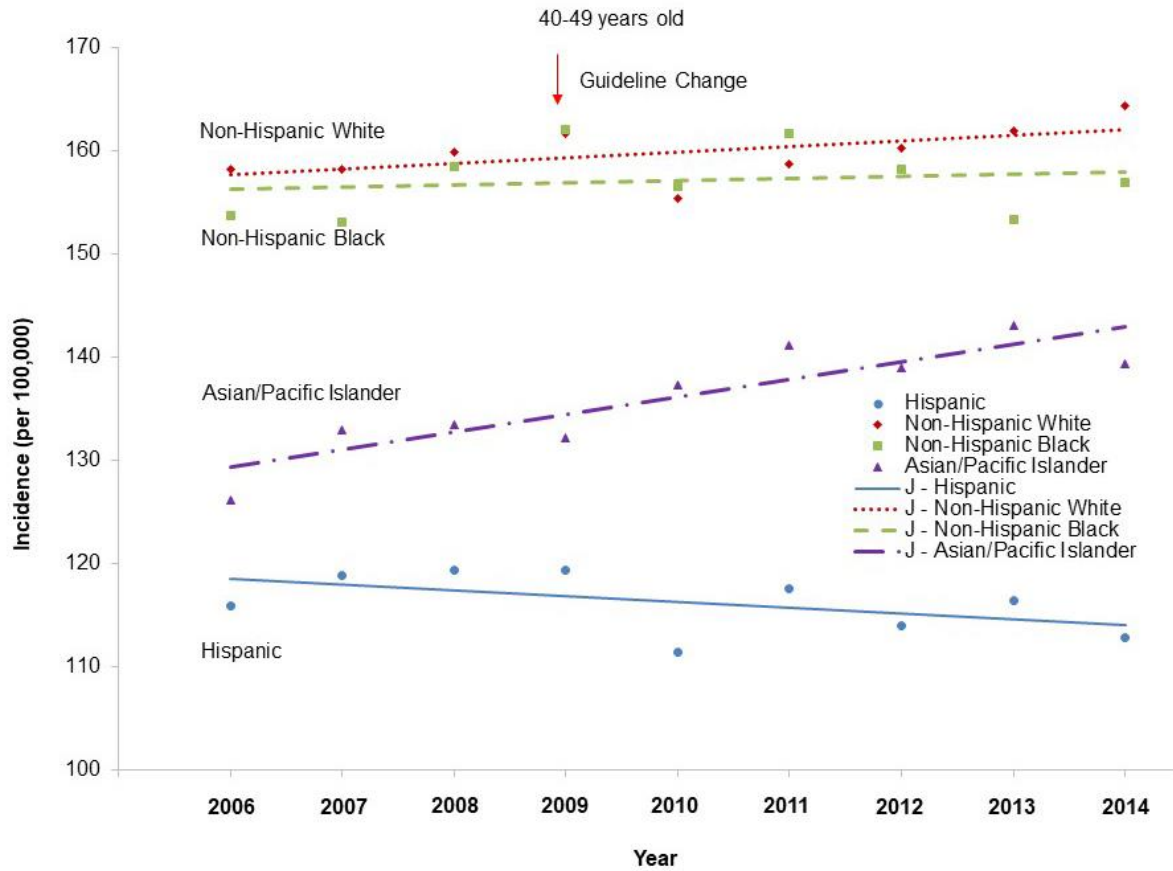
Variable	Number of cases (%)			
	40–49		50–74	
	2006–2009	2011–2014	2006–2009	2011–2014
All	185,522 (100)	176,559 (100)	615,414 (100)	711,008 (100)
All cases by race/ethnicity				
Hispanic	17,896 (9.6)	20,582 (11.7)	39,029 (6.3)	51,121 (7.2)
Non-Hispanic white	132,902 (71.6)	118,926 (67.4)	484,722 (78.8)	541,650 (76.2)
Non-Hispanic black	23,266 (12.5)	23,333 (13.2)	65,166 (10.6)	82,169 (11.6)
Asian or Pacific Islander	8,715 (4.7)	10,924 (6.2)	19,327 (3.1)	26,885 (3.8)
Invasive breast cancer	140,115 (75.5)	132,879 (75.3)	484,789 (78.8)	563,475 (79.3)
Invasive breast cancer by race/ethnicity				
Hispanic	13,867 (7.5)	15,788 (8.9)	31,133 (5.1)	40,561 (5.7)
Non-Hispanic white	99,323 (53.5)	89,023 (50.4)	382,289 (62.1)	431,821 (60.7)
Non-Hispanic black	18,633 (10.0)	18,215 (10.3)	51,273 (8.3)	63,812 (9.0)
Asian or Pacific Islander	6,288 (3.4)	7,875 (4.5)	14,583 (2.4)	20,187 (2.8)
Stage of breast cancer <sup>a</sup>				
Early stage	45,406 (24.5)	43,681 (24.7)	130,626 (21.2)	147,531 (20.7)
Localized	78,721 (42.4)	76,784 (43.5)	304,634 (49.5)	370,007 (52.0)
Regional	51,843 (27.9)	47,111 (26.7)	142,907 (23.2)	150,810 (21.2)
Distant	6,574 (3.5)	6,610 (3.7)	26,414 (4.3)	32,449 (4.6)

*Notes:* Data were from U.S. Cancer Statistics (USCS), the combined data from the Centers for Disease Control and Prevention (CDC's) National Program for Cancer Registries (NPCR) and the National Cancer Institute's (NCI's) Surveillance, Epidemiology, and End Results (SEER) Program.

<sup>a</sup>Among cases with available information on stages.

**Appendix**  
**Breast Cancer Incidence by Stage Before and After Change in Screening Guidelines**  
 Guo et al.

**Appendix Figure 1.** Trends in age-adjusted incidence rate of invasive breast cancer by race/ ethnicity among women aged 40–49 years, 2006–2014.



*Notes:* Red arrow indicates screening guideline change in 2009 for breast cancer. Lines were joinpoint regression lines.

Annual percentage changes (APC), 95% CI, and *p*-values:

Hispanic: 2006–2014 APC= −0.5, 95% CI= −1.2, 0.2, *p*=0.15

Non-Hispanic white: 2006–2014 APC=0.3, 95% CI= −0.1, 0.8, *p*=0.11

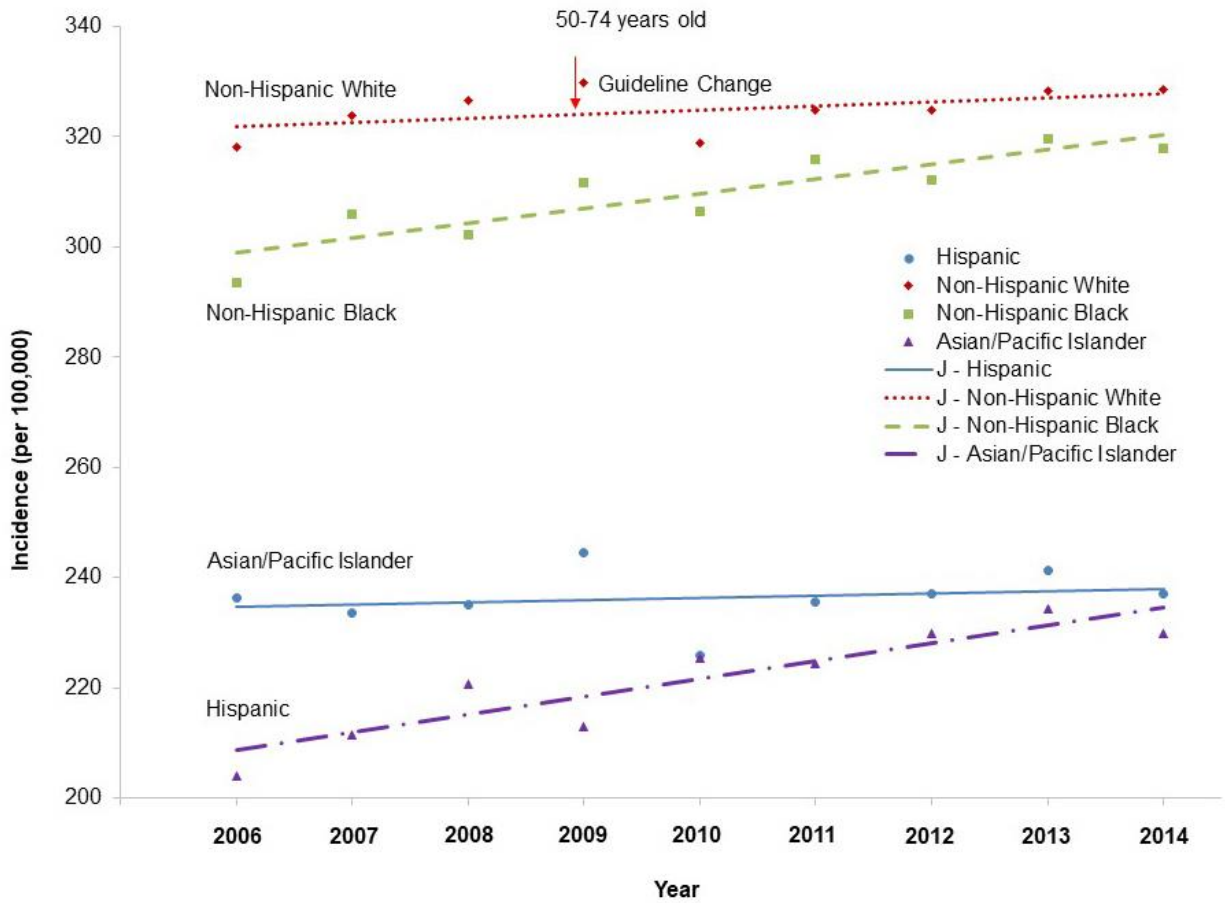
Non-Hispanic black: 2006–2014 APC=0.1, 95% CI= −0.6, 0.8, *p*=0.65

Asian/Pacific Islander: 2006–2014 APC=1.3, 95% CI=0.6, 1.9, *p*=0.002

J -, joinpoint regression line.

**Appendix**  
**Breast Cancer Incidence by Stage Before and After Change in Screening Guidelines**  
 Guo et al.

**Appendix Figure 2.** Trends in age-adjusted incidence rate of invasive breast cancer by race/ethnicity among women aged 50–74 years, 2006–2014.



*Notes:* Red arrow indicates screening guideline change in 2009 for breast cancer. Lines were joinpoint regression lines.

Annual percentage changes (APC), 95% CI, and *p*-values:

Hispanic: 2006–2014 APC=0.2, 95% CI= -0.5, 0.8, *p*=0.58

Non-Hispanic white: 2006–2014 APC=0.2, 95% CI= -0.1, 0.6, *p*=0.17

Non-Hispanic black: 2006–2014 APC=0.9, 95% CI=0.5, 1.3, *p*=0.001

Asian/Pacific Islander: 2006–2014 APC=1.5, 95% CI=0.9, 2.1, *p*<0.001

J -, joinpoint regression line.