Auxiliary Figures for “Breast Cancer Trends among Young Women in the United States”

The format for all auxiliary figures is the same as that for Figure 1 in the text. Each rate is calculated based on cases diagnosed in three consecutive years and is plotted at the midpoint of the three-year interval.

Auxiliary figures A1 through A6 show the plots of the in situ breast cancer incidence rates (cases per 100,000 person-years) by decade of age for US women. These figures demonstrate that the in situ breast cancer rates follow a calendar period pattern of variation (i.e., major changes in the slope of the incidence rate curves tend to occur predominately in the same calendar years for every age group).

Auxiliary figures A7 through A9 show the plots of invasive breast cancer incidence rates (cases per 100,000 person-years) by decade of age for young US women. These figures show the strong influence of the birth cohort pattern of risk (previously demonstrated in analyses of U.S. breast cancer mortality rates) on invasive breast cancer rates. In particular, the year in which the incidence rates peak and the recent decrease in rates begins, moves progressively to the right (i.e., later calendar years) with increasing decade of age. This birth cohort pattern of risk for invasive breast cancer incidence rates is in marked contrast to the strong calendar period pattern of risk observed for in situ breast cancer incidence rates.
Figure A1. *In situ* breast cancer incidence rates (cases per 100,000 person-years) for white and black women in the United States (SEER Program); ages 20-29.
**Figure A2.** *In situ* breast cancer incidence rates (cases per 100,000 person-years) for white and black women in the United States (SEER Program); ages 30-39.
Figure A3. *In situ* breast cancer incidence rates (cases per 100,000 person-years) for white and black women in the United States (SEER Program); ages 40-49.
Figure A4. *In situ* breast cancer incidence rates (cases per 100,000 person-years) for white and black women in the United States (SEER Program); ages 50-59.
**Figure A5.** *In situ* breast cancer incidence rates (cases per 100,000 person-years) for white and black women in the United States (SEER Program); ages 60-69.
Figure A6. *In situ* breast cancer incidence rates (cases per 100,000 person-years) for white women in the United States (SEER Program) by decade of age.
Figure A7. Invasive breast cancer incidence rates (cases per 100,000 person-years) for white and black women in the United States (SEER Program); ages 20-29.
Figure A8. Invasive breast cancer incidence rates (cases per 100,000 person-years) for white and black women in the United States (SEER Program); ages 30-39.
**Figure A9.** Invasive breast cancer incidence rates (cases per 100,000 person-years) in white and black women in the United States (SEER Program); ages 40-49.