

Table 4.16  
Cancer of the Female Breast (Ages 50+, Invasive)

SEER<sup>a</sup> Relative Survival (Percent)  
By Year of Diagnosis

All Races, Females

Year of Diagnosis

	1975- 1979	1980- 1984	1985- 1989	1990- 1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Survival Time																										
1-year	93.7	94.4	95.8	96.7	96.8	96.7	97.1	97.2	97.2	97.2	97.0	97.2	97.5	97.5	97.4	97.4	97.3	97.4	97.5	97.3	97.4	97.9	97.8	97.2	97.8	97.5
2-year	88.1	89.6	92.3	93.8	94.1	93.6	94.2	94.9	95.2	95.3	95.2	95.4	95.3	95.5	95.6	95.3	95.7	95.5	95.9	95.7	95.7	95.9	96.1	95.8	96.2	
3-year	82.7	84.3	88.7	90.7	91.9	91.0	92.2	93.2	93.4	93.6	93.2	93.7	93.2	93.3	93.8	93.5	93.7	93.7	93.9	94.0	94.2	94.0	94.4	94.2		
4-year	78.0	80.0	85.7	88.4	89.6	89.2	90.3	91.6	91.8	92.0	91.6	92.2	91.5	91.5	91.9	92.1	92.2	92.4	92.5	92.4	92.7	92.6	93.0			
5-year	74.1	76.1	82.9	86.3	87.8	87.1	88.9	90.3	90.1	90.6	90.1	90.7	89.8	90.2	90.5	90.7	91.0	90.7	91.5	91.0	91.5	91.3				
6-year	70.8	73.1	80.5	84.6	86.6	85.6	87.8	89.4	88.8	89.6	89.2	89.5	88.9	88.9	89.2	89.8	89.8	89.5	90.7	90.3	90.3					
7-year	68.0	70.4	78.6	82.9	85.1	84.6	86.9	88.4	87.8	88.4	88.0	88.5	87.8	88.0	88.0	88.8	89.0	88.4	89.7	89.6						
8-year	65.6	68.0	77.1	81.9	84.1	83.3	86.3	87.2	86.7	87.4	87.3	87.3	86.6	87.1	87.4	87.8	88.1	87.4	88.9							
9-year	63.3	65.9	75.3	80.7	82.8	82.2	84.9	86.1	85.9	86.3	86.8	86.5	86.3	86.2	86.7	86.9	87.1	86.5								
10-year	61.3	63.8	73.9	79.6	82.2	81.4	83.9	84.9	85.1	85.5	86.0	86.1	85.1	85.4	85.9	86.0	86.2									
11-year	59.6	61.9	72.7	78.5	81.0	80.6	83.2	84.1	84.0	84.6	85.2	85.5	84.4	85.0	85.1	85.1										
12-year	58.0	60.6	71.4	77.6	80.0	79.6	82.5	83.6	83.4	83.6	84.0	84.5	83.8	84.5	84.1											
13-year	56.7	59.4	70.3	76.7	78.8	78.7	81.5	82.5	82.7	82.8	83.5	83.6	83.3	83.5												
14-year	55.6	58.1	69.4	75.7	78.3	78.0	80.9	81.7	81.7	82.1	82.4	83.2	82.6													
15-year	54.4	57.2	68.4	74.9	77.4	77.4	79.9	80.5	81.4	81.3	81.7	82.5														
16-year	53.4	56.0	67.5	74.0	76.3	76.7	78.8	79.8	80.4	80.7	81.2															
17-year	52.1	54.8	66.6	72.9	75.5	75.9	78.3	79.2	80.1	80.1																
18-year	51.3	54.1	65.8	72.1	74.3	74.9	77.9	78.5	79.0																	
19-year	50.4	53.3	65.2	71.4	74.1	73.7	76.7	77.2																		
20-year	49.6	52.5	64.5	70.5	73.4	72.8	75.6																			
21-year	48.8	51.7	63.7	69.3	72.5	71.3																				
22-year	48.3	51.0	63.0	68.4	71.9																					
23-year	47.7	50.4	62.4	67.7																						
24-year	47.0	49.7	61.6																							
25-year	46.1	49.2	60.8																							
26-year	45.8	48.9	59.7																							
27-year	45.4	48.3	58.7																							
28-year	45.1	47.7	57.9																							
29-year	44.5	46.6																								
30-year	44.0	45.7																								

<sup>a</sup> Based on the SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, and Atlanta). [Expected survival rates](#) are derived from the U.S. Annual Life Tables.