

Table 6.4  
Cancer of the Colon (Invasive) and Cancer of the Rectum (Invasive)

Trends in SEER 9 Observed Incidence<sup>a</sup> Using the Joinpoint Regression Program,  
1975-2017 With up to Five Joinpoints,  
By Race and Sex

|  |            | JP Trend 1 |      | JP Trend 2 |       | JP Trend 3 |       | JP Trend 4 |       | JP Trend 5 |       | JP Trend 6 |       | AAPC <sup>d</sup> |
|--|------------|------------|------|------------|-------|------------|-------|------------|-------|------------|-------|------------|-------|-------------------|
|  |            | Years      | APC  | Years      | APC   | Years      | APC   | Years      | APC   | Years      | APC   | Years      | APC   | 2013-17           |
| <u>SEER 9 Observed Incidence<sup>a</sup> for Cancer of the Colon, 1975-2017</u>  |            |            |      |            |       |            |       |            |       |            |       |            |       |                   |
| All Races  | Both Sexes | 1975-85    | 1.1* | 1985-95    | -1.6* | 1995-00    | 0.0   | 2000-08    | -2.7* | 2008-11    | -4.8* | 2011-17    | -1.5* | -1.5*             |
| All Races  | Male       | 1975-85    | 1.7* | 1985-02    | -1.4* | 2002-12    | -3.5* | 2012-17    | -1.9* |            |       |            |       | -1.9*             |
| All Races  | Female     | 1975-85    | 0.6* | 1985-93    | -1.8* | 1993-01    | -0.3  | 2001-08    | -2.5* | 2008-11    | -4.9  | 2011-17    | -1.2* | -1.2*             |
| White  | Both Sexes | 1975-85    | 1.1* | 1985-95    | -1.9* | 1995-98    | 1.3   | 1998-08    | -2.5* | 2008-11    | -5.3* | 2011-17    | -1.4* | -1.4*             |
| White  | Male       | 1975-86    | 1.6* | 1986-95    | -2.2* | 1995-98    | 1.0   | 1998-08    | -2.9* | 2008-11    | -5.4* | 2011-17    | -1.8* | -1.8*             |
| White  | Female     | 1975-85    | 0.6* | 1985-93    | -2.1* | 1993-00    | 0.0   | 2000-08    | -2.4* | 2008-11    | -4.9  | 2011-17    | -1.0* | -1.0*             |
| Black  | Both Sexes | 1975-80    | 3.5* | 1980-02    | -0.1  | 2002-17    | -3.1* |            |       |            |       |            |       | -3.1*             |
| Black  | Male       | 1975-01    | 0.5* | 2001-17    | -3.2* |            |       |            |       |            |       |            |       | -3.2*             |
| Black  | Female     | 1975-02    | 0.0  | 2002-17    | -3.2* |            |       |            |       |            |       |            |       | -3.2*             |
| <u>SEER 9 Observed Incidence<sup>a</sup> for Cancer of the Rectum, 1975-2017</u> |            |            |      |            |       |            |       |            |       |            |       |            |       |                   |
| All Races  | Both Sexes | 1975-87    | -0.3 | 1987-95    | -2.4* | 1995-98    | 2.6   | 1998-13    | -2.3* | 2013-17    | 0.5   |            |       | 0.5               |
| All Races  | Male       | 1975-89    | -0.3 | 1989-94    | -3.6* | 1994-98    | 1.8   | 1998-12    | -2.6* | 2012-17    | -0.3  |            |       | -0.3              |
| All Races  | Female     | 1975-84    | -0.2 | 1984-95    | -2.2* | 1995-98    | 2.5   | 1998-13    | -2.1* | 2013-17    | 0.5   |            |       | 0.5               |
| White  | Both Sexes | 1975-85    | -0.1 | 1985-95    | -2.3* | 1995-98    | 2.5   | 1998-12    | -2.7* | 2012-17    | 0.2   |            |       | 0.2               |
| White  | Male       | 1975-89    | -0.3 | 1989-94    | -3.9* | 1994-99    | 1.1   | 1999-12    | -3.1* | 2012-17    | 0.2   |            |       | 0.2               |
| White  | Female     | 1975-84    | -0.2 | 1984-95    | -2.3* | 1995-98    | 2.3   | 1998-13    | -2.4* | 2013-17    | 0.9   |            |       | 0.9               |
| Black  | Both Sexes | 1975-07    | -0.1 | 2007-17    | -2.2* |            |       |            |       |            |       |            |       | -2.2*             |
| Black  | Male       | 1975-03    | 0.2  | 2003-17    | -1.5* |            |       |            |       |            |       |            |       | -1.5*             |
| Black  | Female     | 1975-07    | -0.1 | 2007-17    | -2.6* |            |       |            |       |            |       |            |       | -2.6*             |

Joinpoint Regression Program Version 4.8, April 2020, National Cancer Institute. (<https://surveillance.cancer.gov/joinpoint/>).  
The APC is the Annual Percent Change based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).  
Trends are from the SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, and Atlanta).  
The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpoint.  
\* The APC/AAPC is significantly different from zero (p<.05).  
- Joinpoint regression line analysis could not be performed on data series.