

Table 20.2  
Cancer of the Oral Cavity and Pharynx for Selected Subsites (Invasive)

Trends in SEER 9 Observed Incidence<sup>a</sup> Using the Joinpoint Regression Program,  
1975-2013 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 |     | APC <sup>d</sup><br>2009-13 |
|--|------------|------------|-------|------------|-------|------------|-------|------------|-----|------------|-----|------------|-----|-----------------------------|
|  |            | Years      | APC   | Years      | APC   | Years      | APC   | Years      | APC | Years      | APC | Years      | APC |                             |
| <u>Cancer of the Tongue</u>                              |            |            |       |            |       |            |       |            |     |            |     |            |     |                             |
| All Races  | Both Sexes | 1975-81    | 2.6*  | 1981-97    | 0.0   | 1997-13    | 2.0*  |            |     |            |     |            |     | 2.0*                        |
| All Races  | Male       | 1975-98    | 0.4   | 1998-13    | 2.2*  |            |       |            |     |            |     |            |     | 2.2*                        |
| All Races  | Female     | 1975-13    | 0.6*  |            |       |            |       |            |     |            |     |            |     | 0.6*                        |
| White  | Male       | 1975-98    | 0.6*  | 1998-13    | 2.9*  |            |       |            |     |            |     |            |     | 2.9*                        |
| White  | Female     | 1975-13    | 0.8*  |            |       |            |       |            |     |            |     |            |     | 0.8*                        |
| Black  | Male       | 1975-89    | 1.1   | 1989-13    | -2.4* |            |       |            |     |            |     |            |     | -2.4*                       |
| Black  | Female     | 1975-13    | -1.7* |            |       |            |       |            |     |            |     |            |     | -1.7*                       |
| <u>Cancer of the Floor of Mouth, Gum and Other Mouth</u> |            |            |       |            |       |            |       |            |     |            |     |            |     |                             |
| All Races  | Both Sexes | 1975-83    | 0.2   | 1983-13    | -3.6* |            |       |            |     |            |     |            |     | -3.6*                       |
| All Races  | Male       | 1975-87    | -1.4  | 1987-13    | -4.0* |            |       |            |     |            |     |            |     | -4.0*                       |
| All Races  | Female     | 1975-80    | 4.4   | 1980-13    | -3.3* |            |       |            |     |            |     |            |     | -3.3*                       |
| White  | Male       | 1975-13    | -3.1* |            |       |            |       |            |     |            |     |            |     | -3.1*                       |
| White  | Female     | 1975-82    | 1.9   | 1982-13    | -3.3* |            |       |            |     |            |     |            |     | -3.3*                       |
| Black  | Male       | 1975-77    | 56.5  | 1977-93    | -2.7* | 1993-13    | -6.6* |            |     |            |     |            |     | -6.6*                       |
| Black  | Female     | 1975-13    | -2.8* |            |       |            |       |            |     |            |     |            |     | -2.8*                       |
| <u>Cancer of the Oropharynx and Tonsil</u>               |            |            |       |            |       |            |       |            |     |            |     |            |     |                             |
| All Races  | Both Sexes | 1975-99    | 0.0   | 1999-13    | 3.1*  |            |       |            |     |            |     |            |     | 3.1*                        |
| All Races  | Male       | 1975-98    | 0.4   | 1998-13    | 3.2*  |            |       |            |     |            |     |            |     | 3.2*                        |
| All Races  | Female     | 1975-04    | -1.4* | 2004-13    | 2.8*  |            |       |            |     |            |     |            |     | 2.8*                        |
| White  | Male       | 1975-96    | 0.2   | 1996-13    | 3.8*  |            |       |            |     |            |     |            |     | 3.8*                        |
| White  | Female     | 1975-04    | -1.1* | 2004-13    | 3.4*  |            |       |            |     |            |     |            |     | 3.4*                        |
| Black  | Male       | 1975-13    | -0.6* |            |       |            |       |            |     |            |     |            |     | -0.6*                       |
| Black  | Female     | 1975-13    | -1.7* |            |       |            |       |            |     |            |     |            |     | -1.7*                       |
| <u>Cancer of the Salivary Gland</u>                      |            |            |       |            |       |            |       |            |     |            |     |            |     |                             |
| All Races  | Both Sexes | 1975-13    | 0.6*  |            |       |            |       |            |     |            |     |            |     | 0.6*                        |
| All Races  | Male       | 1975-13    | 0.6*  |            |       |            |       |            |     |            |     |            |     | 0.6*                        |
| All Races  | Female     | 1975-13    | 0.5*  |            |       |            |       |            |     |            |     |            |     | 0.5*                        |
| White  | Male       | 1975-13    | 0.6*  |            |       |            |       |            |     |            |     |            |     | 0.6*                        |
| White  | Female     | 1975-13    | 0.4*  |            |       |            |       |            |     |            |     |            |     | 0.4*                        |
| Black  | Male       | 1975-95    | 3.2*  | 1995-13    | -2.7* |            |       |            |     |            |     |            |     | -2.7*                       |
| Black  | Female     | 1975-13    | 0.8   |            |       |            |       |            |     |            |     |            |     | 0.8                         |
| <u>Cancer of the Lip</u>                                 |            |            |       |            |       |            |       |            |     |            |     |            |     |                             |
| All Races  | Both Sexes | 1975-98    | -3.2* | 1998-09    | -5.4* | 2009-13    | 3.6   |            |     |            |     |            |     | 3.6                         |
| All Races  | Male       | 1975-97    | -3.7* | 1997-09    | -6.4* | 2009-13    | 3.6   |            |     |            |     |            |     | 3.6                         |
| All Races  | Female     | 1975-13    | -0.8* |            |       |            |       |            |     |            |     |            |     | -0.8*                       |
| White  | Male       | 1975-96    | -3.4* | 1996-09    | -6.1* | 2009-13    | 3.7   |            |     |            |     |            |     | 3.7                         |
| White  | Female     | 1975-13    | -0.6* |            |       |            |       |            |     |            |     |            |     | -0.6*                       |
| Black  | Male       | -          | -     |            |       |            |       |            |     |            |     |            |     | -                           |
| Black  | Female     | -          | -     |            |       |            |       |            |     |            |     |            |     | -                           |

Joinpoint Regression Program Version 4.3.0.0, April 2016, National Cancer Institute. (<http://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 over the time range of 1975-2013.

\* The APC/AAPC is significantly different from zero (p<.05).

<sup>a</sup> <sup>b</sup> <sup>\*</sup> <sup>-</sup> Joinpoint regression line analysis could not be performed on data series.