
Louisiana Tumor Registry

September, 2016
Oral Cavity and Pharynx Cancer*

• Oral cavity and pharynx cancer was the 12th most commonly diagnosed cancer in Louisiana and the 14th in U.S.¹

• It was the 17th leading cause of cancer death in Louisiana and the 18th in U.S.¹

• About 730 new oral cavity and pharynx cancer cases are expected to be diagnosed and about 170 persons are expected to die of this cancer in Louisiana in 2016.²

1. Data source: Centers for Disease Control and Prevention
Oral Cavity and Pharynx: Incidence Rates\(^1\), Louisiana vs. US\(^2\) 2009-2013

1 Age-adjusted to the 2000 U.S. standard population.
2 Incidence data source: 18 SEER registries.
* Incidence rate of Louisiana is significantly different from that of the U.S.
Incidence Rates of Oral Cavity and Pharynx Cancer in the U.S., All Races, Both Sexes, 2009-2013

Louisiana:
Rate: 12.9 per 100,000
Rank: 6th
Oral Cavity and Pharynx Cancer: Age-Specific Incidence Rates Louisiana, 2009-2013

U.S. data source: 18 SEER registries.
Oral Cavity and Pharynx Cancer: Age-Specific Incidence Rates by Gender, 2009-2013

U.S. data source: 18 SEER registries.
Oral Cavity and Pharynx Cancer: Age-Specific Incidence Rates by Race, 2009-2013

U.S. data source: 18 SEER registries.

U.S. data source: 18 SEER registries.
Incidence Rates of Oral Cavity and Pharynx Cancer in Louisiana, All Races, Both Sexes, 2009-2013

Age-Adjusted Annual Incidence Rate (Cases per 100,000)

Quantile Interval

- 9.8 to 11.7
- 11.7 to 13.1
- 13.1 to 13.8
- 13.8 to 15.7
- 15.7 to 20.9

Suppressed * / **

US (SEER + NPCR) Rate (95% C.I.)
12.5 (11.3 - 11.4)

Louisiana Rate (95% C.I.)
12.9 (12.5 - 13.4)
Oral Cavity and Pharynx Cancer Incidence Rates\textsuperscript{1,2} by Region: Louisiana, Whites, 2009-2013

1 Age-adjusted to the 2000 U.S. standard population.
2 Data source for U.S. was the 18 SEER registries.

* Incidence rate of regions/Louisiana is significantly different from that of the US.
Oral Cavity and Pharynx Cancer Incidence Rates\textsuperscript{1,2} by Region, Louisiana, Blacks, 2009-2013

\begin{itemize}
\item\textsuperscript{1} Age-adjusted to the 2000 U.S. standard population.
\item\textsuperscript{2} Data source for U.S. was the 18 SEER registries.
\end{itemize}

\* Incidence rate of regions/Louisiana is significantly different from that of the U.S.
Oral Cavity and Pharynx Cancer: Trends of Incidence Rates\(^1,2\), Whites, 1988-2013

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Oral Cavity and Pharynx Cancer: Trends of Incidence Rates\textsuperscript{1,2}, Blacks, 1988-2013

\textsuperscript{1} Age-adjusted to the 2000 U.S. standard population.
\textsuperscript{2} U.S. data source: 18 SEER registries.
Oral Cavity and Pharynx Cancer: Mortality Rates\(^1\), Louisiana vs. US\(^2\), 2009-2013

\[^1\] Age-adjusted to the 2000 U.S. standard population.
\[^2\] Data source: National Center of Health Statistics (NCHS).

* The rate of Louisiana is significantly different from that of the U.S.
Mortality Rates of Oral Cavity and Pharynx Cancer in the U.S., All Races, Both Sexes, 2009-2013

Louisiana:
Rate: 3.3 per 100,000
Rank: 3rd
Mortality Rates of Oral Cavity and Pharynx Cancer in Louisiana, All Races, Both Sexes, 2009-2013
Oral Cavity and Pharynx Cancer: Trends of Mortality Rates\textsuperscript{1,2}, Whites, 1988-2013

\textsuperscript{1} Adjusted to the 2000 U.S. standard population.
\textsuperscript{2} Data source: National Center of Health Statistics (NCHS).
Oral Cavity and Pharynx Cancer: Trends of Mortality Rates\textsuperscript{1,2,3}, Blacks, 1988-2013

1 Age-adjusted to the 2000 U.S. standard population.
2 Data source: National Center of Health Statistics (NCHS).
3 Louisiana female mortality rate trends could not be calculated due to small case counts.
Oral Cavity and Pharynx Cancer: Louisiana Trends of Incidence and Mortality Rates by Race, 1988-2013

*APCs were calculated using weighted least squares method

White Mortality (APC: -1.0*)
Black Mortality (APC: -2.5*)
White Incidence (APC: 0.5*)
Black Incidence (APC: -0.6*)

*APCs were calculated using weighted least squares method
Oral Cavity and Pharynx Cancer: Louisiana
Trends of Incidence and Mortality Rates by Gender,
1988-2013

APCs were calculated using weighted least squares method
Oral Cavity and Pharynx Cancer: Louisiana 5-Year Relative Survival by Stage\(^1\), All Races, Both Sexes, 2006-2012

\(^1\) The stage distribution is based on Derived Summary Stage 2000.
Oral Cavity and Pharynx Cancer: Louisiana 5-Year Relative Survival by Stage\(^1\), White Males, 2006-2012

Percent of Cases by Stage

- Localized: 39%
- Regional: 44%
- Distant: 15%
- Unstaged: 2%

5-Year Relative survival rate(%):

- Localized: 77.7%
- Regional: 62.4%
- Distant: 35.4%
- Unstaged: 48.3%

\(^1\) The stage distribution is based on Derived Summary Stage 2000.
The stage distribution is based on Derived Summary Stage 2000.

* The survival rate of those diagnosed at a distant stage could not be calculated due to small case counts.
Oral Cavity and Pharynx Cancer: Louisiana 5-Year Relative Survival by Stage¹, White Females, 2006-2012

![Bar chart showing 5-Year Relative Survival by Stage](chart.png)

- **Localized**: 74.5%
- **Regional**: 47.9%
- **Distant**: 36.0%

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¹ The stage distribution is based on Derived Summary Stage 2000.

* The survival rate of unstaged cases could not be calculated due to small case counts.
The stage distribution is based on Derived Summary Stage 2000.

* The survival rate of unstaged cases could not be calculated due to small case counts.

Oral Cavity and Pharynx Cancer: Louisiana 5-Year Relative Survival by Stage\(^1\), Black Females, 2006-2012

<table>
<thead>
<tr>
<th>Stage</th>
<th>Percent of Cases</th>
</tr>
</thead>
<tbody>
<tr>
<td>Localized</td>
<td>37%</td>
</tr>
<tr>
<td>Regional</td>
<td>41%</td>
</tr>
<tr>
<td>Distant</td>
<td>22%</td>
</tr>
</tbody>
</table>

\(^1\) The stage distribution is based on Derived Summary Stage 2000.
* The survival rate of unstaged cases could not be calculated due to small case counts.
Data Sources


For Incidence:
- SEER*DMS - LTR 1988-2013, June 7, 2016

For Mortality:

For Survival:
- Incidence - SEER 18 Regs Research Data + Hurricane Katrina Impacted Louisiana Cases, Nov 2015 Sub (1973-2013 varying)
Acknowledgements

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  • Pathology laboratories
  • Physician offices and clinics
  • Hospice programs and nursing homes
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