Louisiana Cancer Facts & Figures, Cervical Cancer, 2016

Louisiana Tumor Registry

September, 2016
Cervical Cancer*

- Cervical cancer was the 15th most commonly diagnosed cancer in Louisiana, and 16th in the U.S. ¹
- It was the 18th leading cause of cancer death in Louisiana and the 19th in the U.S. ¹
- About 230 new cervical cancer cases are expected to be diagnosed and about 80 persons are expected to die of this cancer in Louisiana in 2017.²

¹ Data source: Centers for Disease Control and Prevention
² Data source: American Cancer Society, Cancer Facts & Figures 2017
* ICD_O_3/WHO 2008 code: C530-C539; excluding ICD-O-3 histology (type): 9050-9055, 9140, 9590-9992
Cervical Cancer: Incidence Rates ¹,², 2009-2013

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

Louisiana:
Rate: 8.8 per 100,000
Rank: 8th
Cervical Cancer: Age-Specific Incidence Rates
Louisiana, 2009-2013

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

Rate Per 100,000

Age at Diagnosis

U.S. Female

LA Female

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

U.S. data source: 18 SEER registries.
Incidence Rates of Cervical Cancer in Louisiana, All Races, Females, 2009-2013

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

Quantile Interval

US (SEER + NPCR) Rate (95% C.I.)
7.6 (7.5 - 7.7)

Louisiana Rate (95% C.I.)
8.8 (8.2 - 9.3)
Cervical Cancer Incidence Rates\textsuperscript{1,2} by Region: Louisiana, Whites, 2009-2013

\begin{figure}
\centering
\includegraphics[width=\textwidth]{cervical_cancer_incidence_rates.png}
\end{figure}

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

\# Incidence rate of regions/Louisiana is significantly different from that of US.
Cervical Cancer Incidence Rates\textsuperscript{1,2} by Region: Louisiana, Blacks, 2009-2013

<table>
<thead>
<tr>
<th>Region</th>
<th>Incidence Rate (Per 100,000)</th>
</tr>
</thead>
<tbody>
<tr>
<td>New Orleans</td>
<td>5.5</td>
</tr>
<tr>
<td>Baton Rouge</td>
<td>5.8</td>
</tr>
<tr>
<td>Southeast</td>
<td>5.2</td>
</tr>
<tr>
<td>Acadiana</td>
<td>5.7</td>
</tr>
<tr>
<td>Southwest</td>
<td>6.8</td>
</tr>
<tr>
<td>Central</td>
<td>5.9</td>
</tr>
<tr>
<td>Northwest</td>
<td>7.8#</td>
</tr>
<tr>
<td>Northeast</td>
<td>6.7</td>
</tr>
<tr>
<td>LA</td>
<td>6.1#</td>
</tr>
<tr>
<td>U.S.</td>
<td>4.9</td>
</tr>
</tbody>
</table>

\textsuperscript{1} Age-adjusted to the 2000 U.S. standard population.

\textsuperscript{2} Data source for U.S. was the 18 SEER registries.

\# Incidence rate of regions/Louisiana is significantly different from that of US.
Cervical Cancer: Trends of Incidence Rates\textsuperscript{1,2}
Whites, 1988-2013

1 Age-adjusted to the 2000 U.S. standard population.
2 U.S. data source: 18 SEER registries.
Cervical 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.
Cervical Cancer: Mortality Rates\textsuperscript{1,2}, 2009-2013

<table>
<thead>
<tr>
<th></th>
<th>Louisiana</th>
<th>U.S.</th>
</tr>
</thead>
<tbody>
<tr>
<td>White Female</td>
<td>2.5</td>
<td>2.1</td>
</tr>
<tr>
<td>Black Female</td>
<td>4.3</td>
<td>3.9</td>
</tr>
</tbody>
</table>

\textsuperscript{1} Age-adjusted to the 2000 U.S. standard population.
\textsuperscript{2} Data source: National Center of Health Statistics (NCHS).
* The rate of Louisiana is significantly different from that of U.S.
Mortality Rates of Cervical Cancer in the U.S.
All Races, Females, 2009-2013

Louisiana:
Rate: 3.0 per 100,000
Rank: 6th
Mortality Rates of Cervical Cancer in the Louisiana, All Races, Females, 2009-2013
Cervical Cancer: Trends of Mortality Rates$^{1,2}$, Whites, 1988-2013

1 Adjusted to the 2000 U.S. standard population.
2 Data source: National Center of Health Statistics (NCHS).

![Graph showing trends of cervical cancer mortality rates from 1988 to 2013 for U.S. females and females in Louisiana (LA). The rates are expressed per 100,000 population. The graph shows a general trend of decreasing mortality rates over the years, with some fluctuations. The data is sourced from the National Center of Health Statistics (NCHS).]
Cervical Cancer: Trends of Mortality Rates\textsuperscript{1,2}, Blacks, 1988-2013

1 Age-adjusted to the 2000 U.S. standard population.
2 Data source: National Center of Health Statistics (NCHS).
Cervical Cancer: Trends of Incidence and Mortality Rates, by Race, Louisiana, 1988-2013

*APCs were calculated using weighted least squares method
Cervix Uteri Cancer: Trends of Incidence and Mortality Rates, Louisiana, 1988-2013

*APCs were calculated using weighted least squares method
Cervix Uteri Cancer\(^1\), All Races, Females, Louisiana, 2006-2012

The stage distribution is based on Summary Stage 2000.

Percent of Cases by Stage

- Localized: 45%
- Regional: 38%
- Distant: 13%
- Unstaged: 4%

5-Year Relative Survival Rate:

- 85.6%
- 49.7%
- 20.3%
- 42.5%

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

Cervical Cancer\textsuperscript{1}, White Female, Louisiana, 2006-2012

5-Year Relative survival rate (%)

- Localized: 85.2%
- Regional: 49.2%
- Distant: 23.6%
- Unstaged: 43.3%

Percent of Cases by Stage

- Localized: 49%
- Regional: 37%
- Distant: 10%
- Unstaged: 4%

\textsuperscript{1} The stage is based on Derived Summary Stage 2000.
The stage is based on Derived Summary Stage 2000.

Cervical Cancer\(^1\), Black Females, Louisiana, 2006-2012

<table>
<thead>
<tr>
<th>Stage</th>
<th>5-Year Relative Survival Rate (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Localized</td>
<td>85.8</td>
</tr>
<tr>
<td>Regional</td>
<td>49.9</td>
</tr>
<tr>
<td>Distant</td>
<td>15.3</td>
</tr>
<tr>
<td>Unstaged</td>
<td>41.4</td>
</tr>
</tbody>
</table>

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