Urinary Bladder Cancer*

- From 2009 to 2013, urinary bladder cancer was the 7th most common cancer in Louisiana and the 6th in U.S.¹
- Bladder cancer was the 14th leading cause of cancer death in Louisiana and the 11th in the U.S. from 2009 to 2013.¹
- About 940 new urinary bladder cancer cases are expected to be diagnosed and about 210 persons are expected to die of this cancer in Louisiana in 2016.²

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

<table>
<thead>
<tr>
<th></th>
<th>Rate Per 100,000</th>
</tr>
</thead>
<tbody>
<tr>
<td>White Male</td>
<td>Louisiana: 38.5</td>
</tr>
<tr>
<td>Black Male</td>
<td>Louisiana: 21</td>
</tr>
<tr>
<td>White Female</td>
<td>Louisiana: 8.6</td>
</tr>
<tr>
<td>Black Female</td>
<td>Louisiana: 6.8</td>
</tr>
</tbody>
</table>

\(^1\) 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 Urinary Bladder Cancer in the U.S., All Races, Both Sexes, 2009-2013

Louisiana: Rate: 19.2 per 100,000
Rank: 38th
Urinary Bladder Cancer: Age-Specific Incidence Rates, Louisiana, 2009-2013

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

U.S. data source: 18 SEER registries.
Urinary Bladder 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 Urinary Bladder Cancer in LA
All Races, Both Sexes, 2009-2013
Urinary Bladder 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 the U.S. was the 18 SEER registries.
* Incidence rate of regions/Louisiana is significantly different from that of the U.S.
Urinary Bladder Cancer Incidence Rates\textsuperscript{1,2} by Region Louisiana, Blacks, 2009-2013

\begin{figure}
\begin{center}
\begin{tikzpicture}
\begin{axis}[
    ybar, ymajorgrids, axis on top, 
    bar width=10pt, 
    ymajorgrids, 
    enlarge x limits=0.25, 
    symbolic x coords={New orleans, Baton Rouge, Southeast, Acadian, Southwest, Central North, Northwest, Northeast, LA, US}, 
    xlabel={Region}, 
    ylabel={Rate Per 100,000}, 
    nodes near coords, 
    nodes near coords align={vertical}, 
    ymin=0, ymax=30, 
]
\addplot coordinates {
    (New orleans, 12.6) 
    (Baton Rouge, 12.9) 
    (Southeast, 15.7) 
    (Acadian, 15.3) 
    (Southwest, 12.9) 
    (Central North, 12.9) 
    (Northwest, 10.5) 
    (Northeast, 7.8*) 
    (LA, 12.5) 
    (US, 12.6) 
};
\end{axis}
\end{tikzpicture}
\end{center}
\end{figure}

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

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

\(^1\) Age-adjusted to the 2000 U.S. standard population.
\(^2\) U.S. data source: 18 SEER registries.
Urinary Bladder 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.
Urinary Bladder Cancer: Mortality Rates\(^1\), Louisiana vs. U.S.\(^2\), 2009-2013

<table>
<thead>
<tr>
<th></th>
<th>Rate Per 100,000</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>White Male</strong></td>
<td>Louisiana: 7.5</td>
</tr>
<tr>
<td></td>
<td>U.S.: 8.1</td>
</tr>
<tr>
<td><strong>Black Male</strong></td>
<td>Louisiana: 5.5</td>
</tr>
<tr>
<td></td>
<td>U.S.: 5.4</td>
</tr>
<tr>
<td><strong>While Female</strong></td>
<td>Louisiana: 2.1</td>
</tr>
<tr>
<td></td>
<td>U.S.: 2.2</td>
</tr>
<tr>
<td><strong>Black Female</strong></td>
<td>Louisiana: 2.9</td>
</tr>
<tr>
<td></td>
<td>U.S.: 2.5</td>
</tr>
</tbody>
</table>

\(^1\) Age-adjusted to the 2000 U.S. standard population.

\(^2\) Data source: National Center of Health Statistics (NCHS).
Mortality Rates of Urinary Bladder Cancer in the U.S.,
All Races, Both Sexes, 2009-2013

Louisiana:
Rate: 4.2 per 100,000
Rank: 33rd
Mortality Rates of Urinary Bladder Cancer in LA, All Races, Both Sexes, 2009-2013
Urinary Bladder 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).
Urinary Bladder Cancer: Trends of Mortality Rates\textsuperscript{1,2}, Blacks, 1988-2013

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

APCs were calculated using weighted least squares method.
Urinary Bladder Cancer: Trends of Incidence and Mortality Rates by Gender, Louisiana, 1988-2013

APCs were calculated using weighted least squares method.
Urinary Bladder Cancer: Louisiana
5-Year Relative Survival by Stage, All Races, Both Sexes, Louisiana, 2006-2012

1 The stage distribution is based on Derived Summary Stage 2000.
Urinary Bladder Cancer: Louisiana 5-Year Relative Survival by Stage\textsuperscript{1}, White Males, Louisiana, 2006-2012

\textbf{Percent of Cases by Stage}

- Localized: 89%
- Regional: 7%
- Distant: 3%
- Unstaged: 1%

\\textsuperscript{1} The stage distribution is based on Derived Summary Stage 2000.
Urinary Bladder Cancer: Louisiana
5-Year Relative Survival by Stage\(^1\), White Females, Louisiana, 2006-2012

- **Localized**: 92%
- **Regional**: 6%
- **Unstaged**: 2%

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

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

Urinary Bladder Cancer: Louisiana
5-Year Relative Survival by Stage\(^1\), Black Males, Louisiana, 2006-2012

<table>
<thead>
<tr>
<th>Stage</th>
<th>Percent of Cases</th>
</tr>
</thead>
<tbody>
<tr>
<td>Localized</td>
<td>84%</td>
</tr>
<tr>
<td>Regional</td>
<td>8%</td>
</tr>
<tr>
<td>Distant</td>
<td>5%</td>
</tr>
<tr>
<td>Unstaged</td>
<td>3%</td>
</tr>
</tbody>
</table>

\(^1\) The stage distribution is based on Derived Summary Stage 2000.
Urinary Bladder Cancer: Louisiana
5-Year Relative Survival by Stage\(^1\), Black Females, Louisiana, 2006-2012

<table>
<thead>
<tr>
<th>Stage</th>
<th>Percent of Cases</th>
</tr>
</thead>
<tbody>
<tr>
<td>Localized</td>
<td>59.7%</td>
</tr>
<tr>
<td>Regional</td>
<td>25.9%</td>
</tr>
<tr>
<td>Distant</td>
<td>23.0%</td>
</tr>
<tr>
<td>Unstaged</td>
<td>3%</td>
</tr>
</tbody>
</table>

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


For Incidence:
• Incidence - SEER 18 Regs Research Data + Hurricane Katrina Impacted Louisiana Cases, Nov 2015 Sub (2000-2013) <Katrina/Rita Population Adjustment>
• 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

• Hospital cancer registries (http://louisianatumorregistry.lsuhsc.edu/)
• Louisiana Cancer Registrars’ Association (http://www.lcra-usa.org/)
• Physicians and staff members in:
  • Medical records offices
  • Pathology laboratories
  • Physician offices and clinics
  • Hospice programs and nursing homes
• Regional and central offices of the Louisiana Tumor Registry
  (http://louisianatumorregistry.lsuhsc.edu/regionalregistries.html)
• School of Public Health, LSU Health Sciences Center–New Orleans
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• Coroners’ offices
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