Louisiana Cancer Facts & Figures, Colon and Rectum Cancer, 2016

Louisiana Tumor Registry

February, 2017
Colon and Rectum Cancer

- Colon and rectum cancer was the 4th most common cancer and the 2nd leading cause of cancer death in Louisiana from 2009 to 2013.¹
- Between 2009 and 2013, the average annual incidence rate of colon and rectum cancer in Louisiana was the 3rd highest and the mortality rate was the 4th highest in the U.S.¹
- About 2,170 new colon and rectum cancers are expected to be diagnosed and about 790 patients are expected to die of colon and rectum cancer in Louisiana in 2016 ².

¹. Data source: NCI state cancer profile.
Colon and Rectum Cancer: Age-Specific Incidence Rates, Louisiana, 2009-2013
Colon and Rectum Cancer: Age-Specific Incidence Rates by Gender, 2009-2013

Rate Per 100,000

LA Male
U.S. Male
LA Female
U.S. Female

Age at Diagnosis


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

U.S. data source: 18 SEER registries.
Colon and Rectum Cancer: Incidence Rates\textsuperscript{1,2} 2009-2013

\begin{itemize}
  \item [\textsuperscript{1}] Age-adjusted to the 2000 U.S. standard population.
  \item [\textsuperscript{2}] U.S. Incidence data source: 18 SEER registries.
  \item * Incidence rate of Louisiana is significantly different from that of the U.S.
\end{itemize}
Colon and Rectum Cancer Incidence$^{1,2}$ 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 U.S.

<table>
<thead>
<tr>
<th>Region</th>
<th>Rate per 100,000</th>
</tr>
</thead>
<tbody>
<tr>
<td>New Orleans</td>
<td>41.5</td>
</tr>
<tr>
<td>Baton Rouge</td>
<td>44.5*</td>
</tr>
<tr>
<td>Southeast</td>
<td>43.9</td>
</tr>
<tr>
<td>Acadiana</td>
<td>52.8</td>
</tr>
<tr>
<td>Southwest</td>
<td>46.4</td>
</tr>
<tr>
<td>Central</td>
<td>49.3*</td>
</tr>
<tr>
<td>Northwest</td>
<td>42.3*</td>
</tr>
<tr>
<td>Northeast</td>
<td>42.9*</td>
</tr>
<tr>
<td>LA</td>
<td>45.2*</td>
</tr>
<tr>
<td>U.S.</td>
<td>40.1</td>
</tr>
</tbody>
</table>
Colon and Rectum Cancer Incidence\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.
\item * Incidence rate of regions/Louisiana is significantly different from that of U.S.
\end{itemize}
Colon and Rectum Cancer: Trends of Incidence Rates\textsuperscript{1,2}, Whites, 1988-2013

\textsuperscript{1} Age-adjusted to the 2000 U.S. standard population.
\textsuperscript{2} U.S. data source: 18 SEER registries.
Colon and Rectum Cancer:
Trend 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.
Colon and Rectum Cancer: Mortality Rates¹
Louisiana vs. U.S.,² 2009-2013

Rate Per 100,000

White Males  Black Males  White Females  Black Females

Louisiana  U.S.

19.6  17.6  19.2  17.1
30.8  26.1
13.5  12.3

1 Age-adjusted to the 2000 U.S. standard population.
2 Mortality data source was National Center of Health Statistics (NCHS).
*Mortality rate of Louisiana is significantly different from that of the U.S.
Colon and Rectum Cancer: Trends of Mortality Rates\textsuperscript{1,2}, Whites, 1988-2013

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

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  \item \textsuperscript{1} Age-adjusted to the 2000 U.S. standard population.
  \item \textsuperscript{2} Data source: National Center of Health Statistics (NCHS).
\end{itemize}
Colon and Rectum: Louisiana 1988-2013: Trends of Incidence and Mortality Rates by Gender

*APCs were calculated using weighted least squares method
Colon and Rectum: Louisiana 1988-2013
Trends of Incidence and Mortality Rates by Race

*APCs were calculated using weighted least squares method

*APCs were calculated using weighted least squares method
Colon and Rectum Cancer\textsuperscript{1}: Louisiana 5-Year Relative Survival by Stage\textsuperscript{2}, White Males, 2006-2012

- **Localized**: 86.6%
- **Regional**: 69.5%
- **Distant**: 12.7%
- **Unstaged**: 46.4%

\textsuperscript{1} Colon and rectum cancer includes first primary only (sequence number 0 or 1).

\textsuperscript{2} The stage distribution is based on Summary Stage 2000.
Colon and Rectum Cancer\(^1\): Louisiana
5-Year Relative Survival by Stage\(^2\), Black Males, 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>34%</td>
</tr>
<tr>
<td>Distant</td>
<td>26%</td>
</tr>
<tr>
<td>Unstaged</td>
<td>3%</td>
</tr>
</tbody>
</table>

\(^1\) Colorectal cancer includes first primary only (sequence number 0 or 1).
\(^2\) The stage distribution is based on Summary Stage 2000.
Colon and Rectum Cancer\(^1\): Louisiana
5-Year Relative Survival by Stage\(^2\), White Females, 2006-2012

1 Colorectal cancer includes first primary only (sequence number 0 or 1).
2 The stage distribution is based on Summary Stage 2000.
Colon and Rectum Cancer\(^1\): Louisiana
5-Year Relative Survival by Stage\(^2\), Black Females, 2006-2012

**Percent of Cases by Stage**

- Localized: 40%
- Regional: 33%
- Distant: 23%
- Unstaged: 4%

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1 Colorectal cancer includes first primary only (sequence number 0 or 1).
2 The stage distribution is based on 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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  • Physician offices and clinics
  • Hospice programs and nursing homes
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