Louisiana Cancer Facts & Figures, Non-Hodgkin Lymphoma, 2016

Louisiana Tumor Registry

September, 2016
Non-Hodgkin Lymphoma

- Non-Hodgkin lymphoma was the 6th most common cancer in Louisiana, and the 8th most common cancer in the U.S.\(^1\) from 2009 to 2013.

- Between 2009 and 2013, Non-Hodgkin lymphoma was the 8\(^{th}\) leading cause of cancer deaths in both Louisiana and the U.S.\(^1\)

- About 1,090 new Non-Hodgkin Lymphoma cases are expected to be diagnosed and about 280 persons are expected to die of Non-Hodgkin Lymphoma in Louisiana in 2016\(^2\).

1. Data source: NCI state cancer profile.
Non-Hodgkin Lymphoma: Age-Specific Incidence Rates
Louisiana, 2009-2013

Rate per 100,000

Age at Diagnosis

White Male
White Female
Black Male
Black Female
Non-Hodgkin Lymphoma: Age-Specific Incidence Rates by Race, Louisiana and the U.S., 2009-2013

U.S. data source: 18 SEER registries.
Non-Hodgkin Lymphoma: Age-Specific Incidence Rates by Gender, Louisiana and the U.S., 2009-2013

U.S. data source: 18 SEER registries.
Non-Hodgkin Lymphoma: Incidence Rates\(^1\), Louisiana vs. U.S.,\(^2\) 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.
## Non-Hodgkin Lymphoma Incidence Rates\(^1,2\) by Region

**Louisiana, Whites, 2009-2013**

<table>
<thead>
<tr>
<th>Region</th>
<th>Rate per 100,000</th>
</tr>
</thead>
<tbody>
<tr>
<td>New Orleans</td>
<td>24.2*</td>
</tr>
<tr>
<td>Baton Rouge</td>
<td>20.1</td>
</tr>
<tr>
<td>Southeast</td>
<td>23.7*</td>
</tr>
<tr>
<td>Acadian</td>
<td>20.7</td>
</tr>
<tr>
<td>Southwest</td>
<td>23.2*</td>
</tr>
<tr>
<td>Central North</td>
<td>18.8</td>
</tr>
<tr>
<td>Northwest</td>
<td>21.4</td>
</tr>
<tr>
<td>Northeast</td>
<td>18.3*</td>
</tr>
<tr>
<td>Louisiana</td>
<td>21.3</td>
</tr>
<tr>
<td>US</td>
<td>20.2</td>
</tr>
</tbody>
</table>

\(^1\) 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 U.S.
Non-Hodgkin Lymphoma Incidence Rates\(^1,2\) by Region Louisiana, Blacks, 2009-2013

<table>
<thead>
<tr>
<th>Region</th>
<th>Rate per 100,000</th>
</tr>
</thead>
<tbody>
<tr>
<td>New Orleans</td>
<td>16.1</td>
</tr>
<tr>
<td>Baton Rouge</td>
<td>16.2</td>
</tr>
<tr>
<td>Southeast</td>
<td>15.7</td>
</tr>
<tr>
<td>Acadiana</td>
<td>13.7</td>
</tr>
<tr>
<td>Southwest</td>
<td>12.2</td>
</tr>
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<td>Central</td>
<td>18.7</td>
</tr>
<tr>
<td>Northwest</td>
<td>13.7</td>
</tr>
<tr>
<td>Northeast</td>
<td>10.6*</td>
</tr>
<tr>
<td>Louisiana</td>
<td>14.6</td>
</tr>
<tr>
<td>U.S.</td>
<td>14.4</td>
</tr>
</tbody>
</table>

\(^1\) 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 U.S.
Non-Hodgkin Lymphoma: Trends of Incidence Rates\textsuperscript{1,2} Whites, Louisiana and the U.S., 1988-2013

\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.
\end{itemize}
Non-Hodgkin Lymphoma: Trends of Incidence Rates\textsuperscript{1,2}
Blacks, Louisiana and the U.S., 1988-2013

\textsuperscript{1} Age-adjusted to the 2000 U.S. standard population.
\textsuperscript{2} U.S. data source: 18 SEER registries.
Non-Hodgkin Lymphoma Mortality Rates¹
Louisiana vs. U.S.², 2009-2013

1 Age-adjusted to the 2000 U.S. standard population.
2 Mortality Data source: National Center of Health Statistics (NCHS).
* The rate of Louisiana is significantly different from that of the U.S.
Death Rates for Louisiana
Non-Hodgkin Lymphoma, 2009 - 2013
All Races (includes Hispanic), Both Sexes, All Ages

Notes:
Created by statecancerprofiles.cancer.gov on 09/22/2016 4:47 pm.
State Cancer Registries may provide more current or more local data.
Data presented on the State Cancer Profiles Web Site may differ from statistics reported by the State Cancer Registries (for more information).
Source: Death data provided by the National Vital Statistics System public use data file. Death rates calculated by the National Cancer Institute using SEER*Stat. Death rates (deaths per 100,000 population per year) are age-adjusted to the 2000 US standard population (19 age groups: <1, 1-4, 5-9, ..., 80-84, 85+). The Healthy People 2020 goals are based on rates adjusted using different methods but the differences should be minimal.
Population counts for denominators are based on the Census 1969-2014 US Population Data File as modified by NCI.
* Data have been suppressed to ensure confidentiality and stability of rate estimates. Data is currently being suppressed if there are fewer than 16 counts for the time period.
** Data have been suppressed for states with a population below 50,000 per sex combination for American Indian/Alaska Native or Asian/Pacific Islanders because of concerns regarding the relatively small size of these populations in some states.
Non-Hodgkin Lymphoma: Trends of Mortality Rates\textsuperscript{1,2}, Louisiana and the U.S., Whites, 1988-2013

\textsuperscript{1} Adjusted to the 2000 U.S. standard population.
\textsuperscript{2} Data source: National Center of Health Statistics (NCHS).
Non-Hodgkin Lymphoma: Trends of Mortality Rates\textsuperscript{1,2}, Louisiana and the U.S., Blacks, 1988-2013

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

APCs were calculated using weighted least squares method.

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Non-Hodgkin Lymphoma: Louisiana
5-Year Relative Survival by Stage\(^1\), White Males, 2006-2012

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

Percent of Cases by Stage

- Localized: 31%
- Regional: 15%
- Distant: 48%
- Unstaged: 6%

\(^1\) The stage distribution is based on Derived Summary Stage 2000.
Non-Hodgkin Lymphoma: Louisiana 5-Year Relative Survival by Stage\(^1\), White Females, 2006-2012

- Localized: 32%
- Regional: 14%
- Unstaged: 6%
- Distant: 48%

\(^1\) The stage distribution is based on Derived Summary Stage 2000.
Non-Hodgkin Lymphoma: Louisiana
5-Year Relative Survival by Stage\textsuperscript{1}, Black Males, 2006-2012

\begin{itemize}
  \item Localized: 24% \quad 65.6%
  \item Regional: 14% \quad 63.4%
  \item Distant: 58% \quad 39.6%
  \item Unstaged: 4% \quad 29.8%
\end{itemize}

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

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/](http://louisianatumorregistry.lsuhsc.edu/))
- 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](http://louisianatumorregistry.lsuhsc.edu/regionalregistries.html))
- School of Public Health, LSU Health Sciences Center–New Orleans
- Louisiana Cancer and Lung Trust Fund Board
- Coroners’ offices
Sources of LTR Funding

• National Cancer Institute, SEER Program
• National Program of Cancer Registries, CDC
• Louisiana Health Care Services Division
Questions?

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