Female Breast Cancer

• Female breast cancer was the most common cancer and the 2nd leading cause of cancer death in Louisiana women from 2009 to 2013.\textsuperscript{1}

• Between 2009 and 2013, the average annual incidence rate of female breast cancer in Louisiana ranked 28\textsuperscript{th} in the nation and the mortality rate was the 2nd highest in the U.S.\textsuperscript{1}

• About 3,400 new females breast cancers are expected to be diagnosed and about 630 females are expected to die of breast cancer in Louisiana in 2016.\textsuperscript{2}

\textsuperscript{1} Data source: NCI state cancer profile.
\textsuperscript{2} Data source: American Cancer Society, Cancer Facts & Figures 2016.
Female Breast Cancer: Age-Specific Incidence Rates by Race, 2009-2013

Rate Per 100,000

LA Blacks
U.S.Blacks
LA Whites
U.S.Whites

Age at Diagnosis

U.S. data source: 18 SEER registries.
Female Breast Cancer: Incidence and Mortality Rates\(^1,2\), 2009-2013

<table>
<thead>
<tr>
<th></th>
<th>Incidence Rate</th>
<th>Mortality Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>White Female</strong></td>
<td>121.7</td>
<td>20.8</td>
</tr>
<tr>
<td><strong>Black Female</strong></td>
<td>130.9</td>
<td>21</td>
</tr>
<tr>
<td><strong>Louisiana</strong></td>
<td>128</td>
<td>21</td>
</tr>
<tr>
<td><strong>U.S.</strong></td>
<td>125.2</td>
<td>29.6</td>
</tr>
<tr>
<td><strong>Rate of Louisiana is significantly different from that of the U.S.</strong></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

\(^1\) Age-adjusted to the 2000 U.S. standard population; \(^2\) U.S. incidence data source: SEER 18 registries; Mortality data source: National Center for Health Statistics (NCHS).
Female Breast Cancer Incidence Rates\textsuperscript{1,2} by Region: Louisiana, Whites, 2009-2013

\begin{figure}
\centering
\includegraphics[width=\textwidth]{chart.png}
\caption{Bar graph showing female breast cancer incidence rates per 100,000 for different regions in Louisiana, with rates for New Orleans, Baton Rouge, Southeast, Acadiana, Southwest, Central, Northwest, Northeast, Louisiana (LA), and the United States (U.S.).}
\end{figure}

\begin{itemize}
\item \textsuperscript{1} Age-adjusted to the 2000 U.S. standard population.
\item \textsuperscript{2} Data source for the U.S. was the 18 SEER registries.
\item * Incidence rate of regions/Louisiana is significantly different from that of the U.S.
\end{itemize}
Female Breast Cancer Incidence\textsuperscript{1,2} by Region: Louisiana, Blacks, 2009-2013

\begin{center}
\begin{tabular}{l|c}
Region & Rate per 100,000 \\
\hline
New Orleans & 137* \\
Baton Rouge & 135* \\
Southeast & 133 \\
Acadiana & 132 \\
Southwest & 123 \\
Central & 127 \\
Northwest & 126 \\
Northeast & 117 \\
LA & 131* \\
U.S. & 125 \\
\end{tabular}
\end{center}

\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 the U.S.
Female Breast Cancer: Trend of Incidence Rates\textsuperscript{1,2}, 1988-2013

\textsuperscript{1} Age-adjusted to the 2000 U.S. standard population.
\textsuperscript{2} U.S. incidence data source: 18 SEER registries.
Female Breast Cancer: Trends of Mortality Rates\textsuperscript{1,2}, 1988-2013

\textsuperscript{1} Age-adjusted to the 2000 U.S. standard population.
\textsuperscript{2} National Center of Health Statistics (NHCS) mortality rates.
Female Breast Cancer: Louisiana Trends of Incidence and Mortality Rates, 1988-2013

*APCs were calculated using weighted least squares method
Female Breast Cancer\textsuperscript{1}: Louisiana
5-Year Relative Survival by Stage\textsuperscript{2}, Whites, 2006-2012

1 Breast cancer includes first primary only (sequence number 0 or 1).
2 The stage distribution is based on Summary Stage 2000.
Female Breast Cancer\textsuperscript{1}: Louisiana
5-Year Relative Survival by Stage\textsuperscript{2}, Blacks, 2006-2012

\begin{itemize}
\item Breast cancer includes first primary only (sequence number 0 or 1).
\item The stage distribution is based on Summary Stage 2000.
\end{itemize}
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
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
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