Louisiana Cancer Facts & Figures, Melanoma of the Skin

Louisiana Tumor Registry

January 5, 2016
Melanoma of the Skin*

• Melanoma of the skin was the 9th most commonly diagnosed cancer in Louisiana and the 7th in the U.S.

• It was the 19th leading cause of cancer death in Louisiana and the 17th in U.S.¹

• About 960 new melanoma of the skin cases are expected to be diagnosed and about 110 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 2016
Melanoma of the Skin Incidence Rates\(^1\)
Louisiana vs. US,\(^2\) 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.
Incidence Rates of Melanoma of the Skin in the U.S., All Races, Both Sexes, 2009-2013

Louisiana: Rate: 16.0 per 100,000, Rank: 47th
Melanoma of the Skin: Age-Specific Incidence Rates in Louisiana by Race*, 2009-2013

*Age-specific incidence rates of LA black males and females could not be displayed due to small case counts.
Melanoma of the Skin: Age-Specific Incidence Rates by Gender, 2009-2013

U.S. data source: 18 SEER registries.
Melanoma of the Skin: Age-Specific Incidence Rates by Race*, 2009-2013

U.S. data source: 18 SEER registries.

*Age-specific incidence rates for Louisiana blacks could not be displayed due to small case counts.
Incidence Rates of Melanoma of the Skin in Louisiana, All Races, Both Sexes, 2009-2013

[Map of Louisiana showing incidence rates of melanoma by county, with different colors indicating various rate intervals.]

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

Quantile Interval

- Suppressed * / ***

US (SEER + NPCR)
Rate (95% C.I.)
20.3 (20.2 - 20.3)

Louisiana
Rate (95% C.I.)
16.0 (15.5 - 16.6)
Melanoma of the Skin Incidence\(^1,\)\(^2\) by Region: Louisiana, Whites, 2009-2013

1. Age-adjusted to the 2000 US 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.
Melanoma of the Skin: 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.
Melanoma of the Skin: Trend of Incidence Rates\textsuperscript{1,2}, Blacks, 2000-2013

\textsuperscript{1} Age-adjusted to the 2000 US standard population.
\textsuperscript{2} U.S. data source: 18 SEER registries.

Trend of incidence rates for LA blacks could not be displayed due to small case counts.
Melanoma of the Skin: Mortality Rates$^{1,2}$, 2009-2013

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

* Mortality rate of LA black males could not be displayed due to small case counts.

<table>
<thead>
<tr>
<th></th>
<th>Rate Per 100,000</th>
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<tbody>
<tr>
<td>White Male</td>
<td>4.5</td>
</tr>
<tr>
<td>White Female</td>
<td>1.7</td>
</tr>
<tr>
<td>Black Male*</td>
<td>0.5</td>
</tr>
<tr>
<td>Black Female</td>
<td>0.5</td>
</tr>
</tbody>
</table>

Louisiana | U.S.

4.6 | 4.5
2   | 2

Louisiana Tumor Registry
Mortality Rates of Melanoma of the Skin in the U.S., All Races, Both Sexes, 2009-2013

Louisiana:
Rate: 2.3 per 100,000
Rank: 44th
Mortality Rates of Melanoma of the Skin in Louisiana, All Races, Both Sexes, 2009-2013

Age-Adjusted Annual Death Rate
(Deaths per 100,000)

Quantile Interval

United States Rate (95% C.I.)
2.7 (2.7 - 2.7)

Louisiana Rate (95% C.I.)
2.3 (2.1 - 2.5)

Healthy People 2020 Goal C-8
2.4

Suppressed*
Melanoma of the Skin: 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).

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Melanoma of the Skin: Trends of Mortality Rates\textsuperscript{1,2,3}, Blacks, 1988-2013

\textsuperscript{1} Age-adjusted to the 2000 U.S. standard population.
\textsuperscript{2} Data source: National Center of Health Statistics (NCHS).
\textsuperscript{3} Trends of mortality rates for black LA males and females could not be displayed due to small case counts.
Melanoma of the Skin: Trends of Incidence and Mortality Rates, by Race, Louisiana\(^1\), 1988-2013

APCs were calculated using weighted least squares method.

\(^1\) Trends of incidence and mortality rates for black males and females in Louisiana could not be displayed due to small case counts.
Melanoma of the Skin: Trends of Incidence and Mortality Rates, by Gender, Louisiana, 1988-2013

*APCs were calculated using weighted least squares method
Melanoma of the Skin: Louisiana
5-Year Relative Survival by Stage\(^1\), All Races, Both Sexes, 2006-2012

The stage distribution is based on Derived Summary Stage 2000.

\(^1\) The stage distribution is based on Derived Summary Stage 2000.
Melanoma of the Skin: Louisiana
5-Year Relative Survival by Stage\textsuperscript{1}, White Males, 2006-2012

\textbf{Percent of Cases by Stage}

- Localized: 80%
- Regional: 12%
- Distant: 4%
- Unstaged: 4%

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

<table>
<thead>
<tr>
<th>Stage</th>
<th>Percent of Cases</th>
<th>5-Year Survival Rate (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Localized</td>
<td>85%</td>
<td>96.0</td>
</tr>
<tr>
<td>Regional</td>
<td>9%</td>
<td>65.9</td>
</tr>
<tr>
<td>Distant</td>
<td>3%</td>
<td>13.2</td>
</tr>
<tr>
<td>Unstaged</td>
<td>3%</td>
<td>80.9</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Stage</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Localized</td>
<td>74.8%</td>
</tr>
<tr>
<td>Regional</td>
<td>38%</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.
2 The 5-year relative survival rate for regional, distant and unstaged could not be displayed due to small case counts.
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

• Hospital cancer registries (http://louisianatumorregistry.lsuhsc.edu/)
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  • Pathology laboratories
  • Physician offices and clinics
  • Hospice programs and nursing homes
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• Coroners’ offices
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Editors
Shuang Yang, MPH
Meichin Hsieh, PhD, MSPH, CTR
Lauren Maniscalco, MPH
Xiaocheng Wu, MD, MPH, CTR

Contributors
Xiangrong Li, MD, MSPH
Brent Mumphrey, BS
Tina Lefante, MPH
Lisa Pareti, BS, RHIT, CTR
Yong Yi, PhD, MS
Questions?

Contact:
LTR-info@lsuhsc.edu
or
504-568-5757