Pancreatic Cancer*

• Pancreatic cancer was the 10th most commonly diagnosed cancer in Louisiana, and 12th in the U.S. ¹

• It was the 5th leading cause of cancer death in both Louisiana and the U.S.¹

• About 820 new Pancreatic cancer cases are expected to be diagnosed and about 700 persons are expected to die of this cancer in Louisiana in 2017.²

¹Data source: United States Cancer Statistics
²Data source: American Cancer Society, Cancer Facts & Figures 2017
Pancreatic Cancer: Incidence Rates#,1
Louisiana vs. U.S.,2 2010-2014

# Only invasive cases.
1 Age-adjusted to the 2000 U.S. standard population.
2 Incidence data source:18 SEER registries.
↓↑Rate of Louisiana is significantly different from that of the U.S.
Incidence Rates of Pancreatic Cancer in the U.S.
All Races, Both Sexes, 2010-2014

Louisiana: 14.0 per 100,000
Rank: 2nd

# Only invasive cases.
Pancreatic Cancer: Age-Specific Incidence Rates# Louisiana by Race and Gender, 2010-2014

# Only invasive cases.
Pancreatic Cancer: Age-Specific Incidence Rates by Gender, 2010-2014

# Only invasive cases.
U.S. data source: 18 SEER registries.
Pancreatic Cancer: Age-Specific Incidence Rates* by Race, 2010-2014

* Only invasive cases.
U.S. data source: 18 SEER registries.
Incidence Rates # of Pancreatic Cancer in Louisiana, All Races, Both Sexes, 2010-2014

# Only invasive cases.
Pancreatic Cancer Incidence Rates\(^{\#,1,2}\) by Region\(^{3}\): Louisiana, Whites, 2010-2014

\[^{\#}\text{Only invasive cases.}\]
\[^{1}\text{Age-adjusted to the 2000 U.S. standard population.}\]
\[^{2}\text{Data source for U.S. was the 18 SEER registries.}\]
\[^{3}\text{LTR Regions}\]

\(^{*}\text{Incidence rate of regions/Louisiana is significantly different from that of the U.S.}\)
Pancreatic Cancer Incidence Rates#,1,2 by Region3: Louisiana, Blacks, 2010-2014

# Only invasive cases.
1 Age-adjusted to the 2000 U.S. standard population.
2 Data source for U.S. was the 18 SEER registries.
3 LTR Regions
* Incidence rate of regions/Louisiana is significantly different from that of U.S.
Pancreatic Cancer: Trends of Incidence Rates\(^\#\),\(^1\),\(^2\)
Whites, 1988-2014

\(^\#\) Only invasive cases.
\(^1\) Age-adjusted to the 2000 U.S. standard population.
\(^2\) U.S. data source: 18 SEER registries.
Pancreatic Cancer: Trends of Incidence Rates #,1,2, Blacks, 1988-2014

# Only invasive cases.
1 Age-adjusted to the 2000 U.S. standard population.
2 U.S. data source: 18 SEER registries.
Pancreatic Cancer: Mortality Rates\(^1\), Louisiana vs. US\(^2\), 2010-2014

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

\(^2\) Data source: National center of Health Statistics (NCHS).

↓↑Rate of Louisiana is significantly different from that of the U.S.
Mortality Rates of Pancreatic Cancer in the U.S. All Races, Both Sexes, 2010-2014

Louisiana: 13.1 per 100,000
Rank: 2nd
Mortality Rates of Pancreatic Cancer in Louisiana, All Races, Both Sexes, 2010-2014
Pancreatic Cancer: Trends of Mortality Rates$^{1,2}$, Whites, 1988-2014

1 Adjusted to the 2000 U.S. standard population.
2 Data source: National Center of Health Statistics (NCHS).
Pancreatic Cancer: Trends of Mortality Rates$^1,2$, Blacks, 1988-2014

1 Age-adjusted to the 2000 U.S. standard population.
2 Data source: National Center of Health Statistics (NCHS).
Pancreatic Cancer: Trends of Incidence# and Mortality Rates by Race, Louisiana, 1988-2014

# Only invasive cases.
*Annual average percent change (APC) were calculated using weighted least squares method.
Pancreatic Cancer: Trends of Incidence and Mortality Rates by Gender, Louisiana, 1988-2014

- Male Mortality (APC: -0.2)
- Female Mortality (APC: 0.0)
- Male Incidence (APC: -0.2)
- Female Incidence (APC: 0.2)

* Only invasive cases.
* Annual average percent change (APC) were calculated using weighted least squares method.
Pancreatic Cancer#: Louisiana 5-Year Relative Survival by Stage\(^1\), All Races, Both Sexes, 2007-2013

Only invasive cases.

\(^1\) The stage distribution is based on Derived Summary Stage 2000.
Pancreatic Cancer#: Louisiana 5-Year Relative Survival by Stage\(^1\), White Males, 2007-2013

Percent of cases by stage
- Localized: 22.7%
- Regional: 7.0%
- Distant: 6.3%
- Unstaged: 1.2%

#Only invasive cases.
\(^1\) The stage distribution is based on Derived Summary Stage 2000.
Pancreatic Cancer #: Louisiana 5-Year Relative Survival by Stage\(^1\), White Females, 2007-2013

\(^1\) Only invasive cases.

\(^1\) The stage distribution is based on Derived Summary Stage 2000.
Pancreatic Cancer#: Louisiana 5-Year Relative Survival by Stage\textsuperscript{1}, Black Males, 2007-2013

\textbf{Percent of cases by stage}

- Localized: 20.9%
- Regional: 23%
- Distant: 60%
- Unstaged: 7%  

\textbf{5-Year Relative survival rate(\%)}

- Localized: 20.9%
- Regional: 8.8%
- Distant: 13.2%
- Unstaged: 1.4%

#Only invasive cases.
\textsuperscript{1} The stage distribution is based on Derived Summary Stage2000.
Pancreatic Cancer#: Louisiana
5-Year Relative Survival by Stage¹, Black Females, 2007-2013

Percent of cases by stage

- Localized: 24.1%
- Regional: 29%
- Distant: 50%
- Unstaged: 9%

#Only invasive cases.

¹ The stage distribution is based on Derived Summary Stage2000.
## Appendix A. Regions of the Louisiana Tumor Registry

<table>
<thead>
<tr>
<th>Regional Registry</th>
<th>Beginning Date of the Registry</th>
<th>Average Annual Population, 2010-2014</th>
<th>Parishes Covered</th>
</tr>
</thead>
<tbody>
<tr>
<td>Region 1 – New Orleans</td>
<td>1974</td>
<td>21,864</td>
<td>Jefferson, Orleans, St. Bernard</td>
</tr>
<tr>
<td>Region 3 – Southeast Louisiana</td>
<td>1983</td>
<td>17,036</td>
<td>Lafourche, Plaquemines, St. Charles, St. James, St. John, St. Tammany, Terrebonne, Washington</td>
</tr>
<tr>
<td>Region 4 – Acadiana</td>
<td>1983</td>
<td>17,032</td>
<td>Acadia, Evangeline, Iberia, Lafayette, St. Landry, St. Martin, St. Mary, Vermilion</td>
</tr>
<tr>
<td>Region 5 – Southwest Louisiana</td>
<td>1983</td>
<td>7,698</td>
<td>Allen, Beauregard, Calcasieu, Cameron, Jefferson Davis</td>
</tr>
<tr>
<td>Region 6 – Central Louisiana</td>
<td>1988</td>
<td>8,283</td>
<td>Avoyelles, Catahoula, Concordia, Grant, La Salle, Rapides, Vernon, Winn</td>
</tr>
<tr>
<td>Region 7 – Northwest Louisiana</td>
<td>1988</td>
<td>14,817</td>
<td>Bienville, Bossier, Caddo, Claiborne, De Soto, Natchitoches, Red River, Sabine, Webster</td>
</tr>
<tr>
<td>Region 8 – Northeast Louisiana</td>
<td>1988</td>
<td>9,061</td>
<td>Caldwell, East Carroll, Franklin, Jackson, Lincoln, Madison, Morehouse, Ouachita, Richland, Tensas, Union, West Carroll</td>
</tr>
<tr>
<td>Entire State</td>
<td>1988</td>
<td>119,201</td>
<td></td>
</tr>
</tbody>
</table>

Source: U.S. Bureau of Census and National Cancer Institute, April 2017.
Data Sources


For Incidence:

For Mortality:

For Survival:
- Incidence - SEER 18 Regs Research Data + Hurricane Katrina Impacted Louisiana Cases, Nov 2015 Sub (1973-2013 varying)
Data Sources

• USCS:

• Cancer Facts & Figures:
Data Sources

NCI State profiles

• Incidence Data Sources:
  – Incidence data are provided by the National Program of Cancer Registries External Web Site Policy Cancer Surveillance System (NPCR-CSS), Centers for Disease Control and Prevention and by the National Cancer Institute's Surveillance, Epidemiology, and End Results (SEER) Program External Web Site Policy.
  – Population counts for denominators are based on Census populations as modified by NCI.
  – Rates are calculated using SEER*Stat External Web Site Policy.

• Mortality Data Sources:
  – Mortality data are provided by the National Vital Statistics System External Web Site Policy at the National Center for Health Statistics of the Centers for Disease Control and Prevention.
  – Population counts for denominators are based on Census populations as modified by NCI.
  – Rates are calculated using SEER*Stat External Web Site Policy.
  – Trends are determined by using Joinpoint External Web Site Policy analysis of available historical data and reporting the last segment as the most recent trend.
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  • Pathology laboratories
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  • Hospice programs and nursing homes
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