Kidney and Renal Pelvis Cancer

• From 2009 to 2013, Louisiana had the highest incidence rate for kidney and renal pelvis cancer, and the 2nd highest mortality rate of any state in the nation (all races and sexes combined). ¹

• About 1,140 new kidney and renal pelvis cancers are expected to be diagnosed and about 260 people are expected to die of kidney and renal pelvis cancers in Louisiana in 2016. ²,³

¹ Data source: NCI state cancer profile.
² Data source: American Cancer Society, Cancer Facts & Figures 2016
Kidney and Renal Pelvis Cancer: Incidence Rates\textsuperscript{1,2}, 2009-2013

1 Age-adjusted to the 2000 U.S. standard population.
2 U.S. Incidence data source: 18 SEER registries.
* Incidence rate of Louisiana is significantly different from that of the U.S.
Incidence Rates of Kidney and Renal Pelvis Cancer in the U.S., All Races, Both Sexes, 2009-2013

Louisiana:
Rate: 21.2 per 100,000
Rank: 1st
Kidney and Renal Pelvis Cancer: Age-Specific Incidence Rates in Louisiana by Race and Gender, 2009-2013

U.S. data source: 18 SEER registries.
Kidney and Renal Pelvis Cancer: Age-Specific Incidence Rates by Gender, 2009-2013

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

U.S. data source: 18 SEER registries.
Incidence Rates of Kidney and Renal Pelvis Cancer in the Louisiana, All Races, Both Sexes, 2009-2013

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

Quantile Interval

US (SEER + NPCR)
Rate (95% C.I.)
16.0 (16.0 - 16.1)

Louisiana
Rate (95% C.I.)
21.2 (20.6 - 21.8)
Kidney and Renal Pelvis Cancer Incidence\textsuperscript{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.
Kidney and Renal Pelvis Cancer Incidence\textsuperscript{1,2} by Region: Louisiana, Blacks, 2009-2013

\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 U.S.
Kidney and Renal Pelvis Cancer: Trends of Incidence Rates\textsuperscript{1,2}, Whites, 1988-2013

\textsuperscript{1} Age-adjusted to the 2000 U.S. standard population.
\textsuperscript{2} US data source: 18 SEER registries.
Kidney and Renal Pelvis Cancer:
Trends of Incidence Rates$^1,2$, Blacks, 1988-2013

$^1$ Age-adjusted to the 2000 U.S. standard population.
$^2$ U.S. data source: 18 SEER registries.
Kidney and Renal Pelvis Cancer Mortality Rates\(^1\) Louisiana vs. US\(^2\), 2009-2013

<table>
<thead>
<tr>
<th></th>
<th>Louisiana</th>
<th>U.S.</th>
</tr>
</thead>
<tbody>
<tr>
<td>White Male</td>
<td>7</td>
<td>5.8</td>
</tr>
<tr>
<td>Black Male</td>
<td>7</td>
<td>5.5</td>
</tr>
<tr>
<td>White Female</td>
<td>3.5</td>
<td>2.5</td>
</tr>
<tr>
<td>Black Female</td>
<td>3.5</td>
<td>2.5</td>
</tr>
</tbody>
</table>

\(^1\) Age-adjusted to the 2000 U.S. standard population.
\(^2\) Data source: National Center of Health Statistics (NCHS).
Mortality Rates of Kidney and Renal Pelvis Cancer in the U.S., All Races, Both Sexes, 2009-2013

Louisiana:
Rate: 5.0 per 100,000
Rank: 2nd
Mortality Rates of Kidney and Renal Pelvis Cancer in the Louisiana, All Races, Both Sexes, 2009-2013

* Suppressed due to fewer than 16 cases.
Kidney and Renal Pelvis 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).
Kidney and Renal Pelvis Cancer: Trends of Mortality Rates\(^1,2\), Blacks, 1988-2013

1 Age-adjusted to the 2000 U.S. standard population.
2 Data source: National Center of Health Statistics (NCHS).
Kidney and Renal Pelvis Cancer: Trends of Incidence and Mortality Rates, by Race, Louisiana, 1988-2013

*APCs were calculated using weighted least squares method
Kidney and Renal Pelvis Cancer: Trends of Incidence and Mortality Rates, by Gender, Louisiana, 1988-2013

*APCs were calculated using weighted least squares method
Kidney and Renal Pelvis Cancer: Louisiana 5-Year Relative Survival by Stage\(^1\), Both Sexes, All Races, 2006-2012

\(^1\) The stage distribution is based on Summary Stage 2000.
Kidney and Renal Pelvis Cancer: Louisiana
5-Year Relative Survival by Stage¹, White Males, 2006-2012

5-Year Relative survival rate (%)

<table>
<thead>
<tr>
<th>Stage</th>
<th>Percent of Cases</th>
</tr>
</thead>
<tbody>
<tr>
<td>Localized</td>
<td>64%</td>
</tr>
<tr>
<td>Regional</td>
<td>18%</td>
</tr>
<tr>
<td>Distant</td>
<td>17%</td>
</tr>
<tr>
<td>Unstaged</td>
<td>1%</td>
</tr>
</tbody>
</table>

¹ The stage distribution is based on Summary Stage 2000.
Kidney and Renal Pelvis Cancer: Louisiana
5-Year Relative Survival by Stage\(^1\), White Females, 2006-2012

![Bar Graph](image)

- Localized: 89.8%
- Regional: 65.9%
- Distant: 15.6%
- Unstaged: 38.5%

![Pie Chart](image)

- Localized: 68%
- Regional: 15%
- Distant: 15%
- Unstaged: 2%

\(^1\) The stage distribution is based on Summary Stage 2000.
Kidney and Renal Pelvis Cancer: Louisiana
5-Year Relative Survival by Stage\(^1\), Black Males, 2006-2012

Percent of Cases by Stage

- Localized 65%
- Regional 15%
- Distant 18%
- Unstaged 2%

5-Year Relative survival rate (%)

- Localized 91.4%
- Regional 69.1%
- Distant 4.6%
- Unstaged 47.7%

\(^1\) The stage distribution is based on Summary Stage 2000.
Kidney and Renal Pelvis Cancer: Louisiana
5-Year Relative Survival by Stage¹, Black Females, Louisiana, 2006-2012

¹ The stage distribution is based on Derived Summary Stage 2000.
* The Unstaged 5-year relative survival could not be calculated due to lack of cases.
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

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  - Pathology laboratories
  - Physician offices and clinics
  - Hospice programs and nursing homes
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