Cancer Facts & Figures
Louisiana, 2013

Louisiana Tumor Registry
Xiang-Rong Li, MD, MSPH
October, 2013
• About **24,930** new cancer cases are expected to be diagnosed in Louisiana 2013. This estimate does not include carcinoma in situ of any site except urinary bladder, and does not include basal cell and squamous cell skin cancers, which are non-reportable cancer; almost 68 cases per day.

• About **9,040** persons are expected to die of cancer in Louisiana in 2013; almost 25 deaths per day.

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Incidence Rates\(^1\) of All Cancers Combined, Louisiana vs. US,\(^2\) 2006-2010

![](chart.png)

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

\(^2\)US Incidence data source: Surveillance, Epidemiology and End Results (SEER), 18 registries.

*Incidence rate of Louisiana was significantly different from that of SEER18.
Trend of Incidence Rates\(^1\) of all Cancers Combined, Louisiana vs. US\(^2\), Male, 1988-2010

2. US incidence data source: 18 SEER registries.
Trend of Incidence Rates\(^1\) of all Cancers Combined, Louisiana vs. US\(^2\), Female, 1988-2010

2. US incidence data source: 18 SEER registries.
Trend of Incidence Rates\(^1\) of all Cancers Combined, Louisiana vs. US\(^2\) by Race, 1988-2010

2. US incidence data source: 18 SEER registries.
Trend of Incidence Rates\(^1\) of all Cancers Combined, Louisiana vs. US\(^2\) by Gender, 1988-2010

\(^1\) Age-adjusted to the 2000 US Standard Population.

\(^2\) US incidence data source: 18 SEER registries.
Cancer Incidence Rates\(^1\) among Males, Louisiana, 1988-2010

\(^1\)Age-adjusted to the 2000 US Standard Population.
Cancer Incidence Rates\(^1\) among Females, Louisiana, 1988-2010

\(^1\)Age-adjusted to the 2000 US Standard Population.
Incidence Rates\(^1\) of Common Cancer Sites, Louisiana vs. US,\(^2\) 2010

<table>
<thead>
<tr>
<th>Cancer Site</th>
<th>LA</th>
<th>US</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prostate*</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Female Breast</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lung*</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Colon and Rectum*</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Corpus and Uterus*</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Melanoma of Skin*</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Urinary Bladder*</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Non-Hodgkin Lymphoma</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Kidney and Renal Pelvis*</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Thyroid*</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Leukemia*</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pancreas*</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ovary*</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Oral Cavity and Pharynx*</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Liver and Intrahepatic Bile Duct</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cervix*</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Stomach*</td>
<td></td>
<td></td>
</tr>
<tr>
<td>All cancers combined:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LA: 477.2*</td>
<td></td>
<td></td>
</tr>
<tr>
<td>US: 445.2</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

\(^1\) Age-adjusted to the 2000 US Standard Population.
\(^2\) US incidence data source: 18 SEER registries.

* Incidence rate of Louisiana is significantly different from that of SEER18 (p ≤ 0.05)
Incidence Rate of Common Cancer in Louisiana,\(^1\)
Average Annual Percent Changes, 2000-2010

Average Annual Percent Changes (2000-2010)


\(^1\) Data source: 18 SEER registries
* Average Annual Percent Changes is significantly different from 0 (p<0.05)
Mortality Rates$^1$ of All Cancers Combined Louisiana vs. US,$^2$ 2006-2010

**Age-adjusted to the 2000 US standard population.**

**Mortality data source:** National Center for Health Statistics (NCHS).

*Mortality rate of Louisiana was significantly different from that of US.*
Trend of Mortality Rates\(^1\) of all Cancers Combined
Louisiana vs. US\(^2\), Male, 1970-2010

\(^1\) Age-adjusted to the 2000 US Standard Population.
\(^2\) Data source: National Center for Health Statistics (NCHS).
Trend of Mortality Rates\(^1\) of all Cancers Combined Louisiana vs. US\(^2\), Female, 1970-2010

Rate Per 100,000

Year of Death

1 Age-adjusted to the 2000 US Standard Population.
2 Data source: National Center for Health Statistics (NCHS).
Trend of Mortality Rates$^1$ of all Cancers Combined Louisiana vs. US$^2$ by Race, 1970-2010

1 Age-adjusted to the 2000 US Standard Population.
2 Data source: National Center for Health Statistics (NCHS).
Trend of Mortality Rates\(^1\) of all Cancers Combined Louisiana vs. US\(^2\) by Gender, 1970-2010

1 Age-adjusted to the 2000 US Standard Population.
2 Data source: National Center for Health Statistics (NCHS).
Cancer Mortality Rates$^{1,2}$ among Males Louisiana, 1970-2010

Rate Per 100,000

Year of Death

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1 Age-adjusted to the 2000 US Standard Population.
2 Data source: National Center for Health Statistics (NCHS)
Cancer Mortality Rates\textsuperscript{1,2} among Females, Louisiana, 1970-2010

1 Age-adjusted to the 2000 US Standard Population.
2 Data source: National Center for Health Statistics (NCHS).
Mortality Rates\(^1\) for Common Cancer Sites
Louisiana vs. US,\(^2\) 2010

<table>
<thead>
<tr>
<th>Cancer Site</th>
<th>LA</th>
<th>U.S</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lung*</td>
<td>47.4</td>
<td>57.7</td>
</tr>
<tr>
<td>Female Breast*</td>
<td>21.9</td>
<td>24.6</td>
</tr>
<tr>
<td>Prostate*</td>
<td>21.8</td>
<td>25</td>
</tr>
<tr>
<td>Colon and Rectum*</td>
<td>17.9</td>
<td>15.5</td>
</tr>
<tr>
<td>Pancreas*</td>
<td>13.2</td>
<td>11</td>
</tr>
<tr>
<td>Ovary</td>
<td>7.8</td>
<td>7.6</td>
</tr>
<tr>
<td>Leukemia</td>
<td>6.9</td>
<td>6.1</td>
</tr>
<tr>
<td>Non-Hodgkin Lymphoma</td>
<td>6.9</td>
<td>6.1</td>
</tr>
<tr>
<td>liver and Intrahepatic Bile Duct*</td>
<td>5.9</td>
<td>5.9</td>
</tr>
<tr>
<td>Corpus and Uterus</td>
<td>4.5</td>
<td>3.7</td>
</tr>
<tr>
<td>Urinary Bladder</td>
<td>4.4</td>
<td>4.4</td>
</tr>
<tr>
<td>Esophagus</td>
<td>4.3</td>
<td>4.3</td>
</tr>
<tr>
<td>Brain and Nervous System</td>
<td>4.2</td>
<td>4.1</td>
</tr>
<tr>
<td>Kidney and Renal Pelvis*</td>
<td>5.4</td>
<td>5.4</td>
</tr>
<tr>
<td>Stomach*</td>
<td>5.2</td>
<td>3.4</td>
</tr>
</tbody>
</table>

Age Adjusted Mortality Rate Per 100,000

All cancers combined:
LA: 196.4 *
U.S: 171.8

\(^1\)Age-adjusted to the US 2000 standard population.
\(^2\)Data source: National Center for Health Statistics (NCHS).
*Mortality Rate of Louisiana is significantly different from that of US.
Mortality Rates of Common Cancers in Louisiana,\(^1\) Average Annual Percent Changes, 2000-2010

- Liver and Intrahepatic Bile Duct\(^*\)
- Urinary Bladder
- Cervix Uteri
- Pancreas
- Melanoma of Skin
- Corpus and Uterus
- Kidney and Renal Pelvis
- Brain and Nervous System
- Esophagus
- Stomach
- Leukemia
- Oral Cavity and Pharynx
- Ovary\(^*\)
- Myeloma
- Lung\(^*\)
- Female Breast\(^*\)
- Non-Hodgkin Lymphoma\(^*\)
- Colon and Rectum\(^*\)
- Prostate\(^*\)

\(^1\) Data Source: National Center of Health Statistics (NCHS)
* Average Annual Percent Changes is significantly different from 0 (p<0.05)
Trend of Incidence and Mortality Rates\textsuperscript{1,2} for All Cancers Combined, 1988-2010

\begin{itemize}
\item LA incidence
\item US Incidence
\item LA mortality
\item US mortality
\end{itemize}

\textsuperscript{1}Age-adjusted to the 2000 US standard population.
\textsuperscript{2}Incidence data source: 18 SEER registries and Mortality data source: National Center for Heath Statistics (NCHS).
5-Year Relative Survival (%) of all Cancers\(^1\)
Louisiana vs. US,\(^2\) 2003-2009

First primary only (sequence number 0 or 1), cut-off year is 2010.
Data source: 18 SEER registries.

\(^1\)First primary only (sequence number 0 or 1), cut-off year is 2010.
\(^2\)Data source: 18 SEER registries.
5-Year Relative Survival (%) for Common Cancers, Louisiana 2003-2009

1First primary only (sequence number 0 or 1), cut-off year is 2010.
Cancer Incidence Rates\(^1\) by ICCC Groups\(^2\)  
Children Age 0-14, Louisiana vs.US,\(^3\) 2006-2010

* Leukemias, myeloproliferative & myelodysplastic diseases
  - Lymphomas and reticuloendothelial neoplasms
  - CNS and misc intracranial and intraspinal neoplasms
  - Neuroblastoma and other peripheral nervous cell tumors
  - Retinoblastoma
  - * Renal tumors
  - Hepatic tumors
  - Malignant bone tumors
  - Soft tissue and other extraosseous sarcomas
  - Germ cell & trophoblastic tumors & neoplasms of gonads
  - * Other malignant epithelial neoplasms and melanomas
  - Other and unspecified malignant neoplasms

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\(^1\) Age-adjusted to the 2000 US Standard Population.
\(^2\) International Classification of Childhood Cancer (ICCC)
\(^3\) US data source: SEER18 registries
* Incidence rate of Louisiana is significantly different from that of SEER18.
Trend of Incidence and Mortality Rates\(^1\) (Children 0-14 Years), Louisiana, 1988-2010

1 Age-adjusted to the 2000 US Standard Population.
2 Incidence data source was 18 SEER registries, and Mortality data source was National Center for Health Statistics (NCHS).

¹ First primary only (sequence number 0 or 1).
Prevalence(%) of Obesity$^{1,2}$ for Adults 18+, Louisiana 1995-2012

1. Obesity=body mass index $\geq$ 30 kg/m$^2$
2. Data Source: Behavioral Risk Factor Surveillance System (BRFSS)
Prevalence (%) of Fruit and Vegetable Consumption,\(^1,2\) Louisiana, 1996-2009

1. Fruit and vegetable consumption five or more times per days
2. Data Source: Behavioral Risk Factor Surveillance System (BRFSS)
Prevalence (%) of Having Mammogram,\(^1,\)\(^2\)
Louisiana, 1995-2012

![Graph showing prevalence of mammograms for women aged 40+ and 50+ by race from 1995 to 2012.](image)

1. Have had Mammogram within the past two years.
2. Data Source: Behavioral Risk Factor Surveillance System (BRFSS)
Prevalence of Having Pap Smear\(^1,2\) for Women Age 18+ in Louisiana, 1995-2012

1 Have had Pap Smear test within the past three years.
2 Data Source: Behavioral Risk Factor Surveillance System (BRFSS)
Prevalence of Having Fecal Occult Blood Test\(^1\) for Adult Age 50+, Louisiana 1997-2010

\[\text{Prevalence (\%)}\]

\[\text{Year of Survey}\]

\[\begin{array}{c|c|c|c|c|c|c}
\hline
Whites & & & & & & \\
\hline
Blacks & & & & & & \\
\end{array}\]

\(^1\) Data Source: Behavioral Risk Factor Surveillance System (BRFSS)
Prevalence of Having a Sigmoidoscopy or Colonoscopy\(^1\) For Adult Age 50+, Louisiana, 1997-2010

![Graph showing the prevalence of having a sigmoidoscopy or colonoscopy for Whites and Blacks from 1997 to 2010.](image)

\(^1\) Data Source: Behavioral Risk Factor Surveillance System (BRFSS)
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