

# ***Cancer in Louisiana, 2007-2011***

*Cancer in Louisiana*, Volume 29

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# Summary

## *Cancer in Louisiana*

### *Incidence, 2007-2011*

1. Number of new cancer cases: During the five-year period 2007–2011, new diagnoses of invasive cancer averaged 22,831 cases per year among Louisiana residents (Table A1).
2. Most frequently diagnosed cancers: For all Louisianans combined, the most frequently diagnosed cancers were prostate (16.2% of all new cases), lung (15.1%), breast (13.5%), and colorectum (10.4%) (Table A2).
3. Highest annual incidence rates per 100,000: The four most common invasive cancers by race/sex group were (Table C):
  - White men: prostate (151.5 cases per 100,000 population), lung (92.3), colorectum (57.6), and bladder (38.4)
  - Black men: prostate (230.7), lung (113.8), colorectum (73.3), and kidney (22.7)
  - White women: breast (120.3), lung (59.1), and colorectal (40.2) cancers, and thyroid (18.4)
  - Black women: breast (126.6), colorectum (52.8), lung (52.7), and uterus (19.4)
4. Louisiana vs. nationwide rates: The incidence rates for cancers of all sites combined among white and black men as well as black women in Louisiana were significantly higher than those for their national counterparts ( $p \leq 0.5$ ). In contrast, the rate for white women in the state was significantly lower than nationwide (Table C). Lung cancer in Louisiana has the highest elevated incidence rates for white and black men, 27.5% and 22.4%, respectively.
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6. American Indians/Alaska Natives, Asians and Pacific Islanders (AI/AN and APIs): The incidence rates for cancers of all sites combined among AI/AN and APIs in Louisiana are significantly lower than those of their national counterparts for both men and women. Louisiana AI/AN and APIs also have a significantly lower incidence rate of colorectal cancer among men and women, and significantly lower incidence rates for prostate and Non-Hodgkin Lymphoma among men and breast and thyroid cancers among women (Table D).
7. Cancer among children and adolescents: Louisiana's incidence rates for all invasive cancer combined among children and adolescents (aged 0–19) were lower than U.S. rates for both boys and girls, but only the incidence rate of boys showed statistically significant (Figure 9). The most common invasive cancer among children and adolescents in Louisiana is brain/CNS tumors (Tables H1-H3).

## **Cancer Deaths, 2007-2011**

1. Total cancer deaths: An average of 9,093 deaths were attributed to cancer each year, 2007–2011 (Table I1). Only heart disease caused more deaths (an average of 10,105 per year in Louisiana).
2. Leading causes of cancer death: For all Louisiana residents combined, cancer mortality was highest from cancer of the lung (29.6% of all cancer deaths), colorectum (9.5%), breast (7.2%), and prostate (4.6%) (Table I2).
3. Highest annual mortality rates: The highest rates for cancer death in Louisiana were (Table K):
  - White men: lung (74.1 per 100,000 population), colorectum (20.7), prostate (19.6), and pancreas (14.1)
  - Black men: lung (97.2), prostate (46.8), colorectum (33.1), and pancreas (15.4)
  - White women: lung (44.9), breast (21.8), colorectum (13.8), and pancreas (10.8)
  - Black women: lung (39.7), breast (33.9), colorectum (20.0), and pancreas (13.1)
3. Louisiana vs. nationwide rates: Statewide, each of the four major race/sex groups had a significantly higher death rate for all sites combined than its national counterpart (Table K). Lung cancer mortality rates were higher in Louisiana than in the U.S. among four race-sex groups.
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*Note:* All incidence and death rates in this volume are average annual rates per 100,000 for the five-year period. They are age adjusted to the U.S. 2000 standard and should **not** be compared with rates that are adjusted to the 1970 population.

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**National Program of Cancer Registries, CDC**

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# Introduction

*The Louisiana Tumor Registry is pleased to present Volume 29 of its annual Cancer in Louisiana monograph series, documenting cancer incidence 2007-2011 and mortality 2007-2011 in Louisiana and adding information on incidence among American Indian, Alaska Natives, Asians and Pacific Islanders (AI/AN and API).*

*This volume will be published solely as an online document.*

## Purpose of the Registry

The Louisiana Tumor Registry (LTR) was created by the state legislature to collect, analyze and disseminate information on cancer in Louisiana.

Cancer is a reportable disease in all states of the U.S. Using the data they compile, statewide population-based registries calculate cancer incidence statistics by age, race, sex, geographic region, and trends over time. With these statistics, data-driven cancer prevention and control programs can be implemented to reduce cancer morbidity and mortality. Registry data provide the foundation for studies evaluating clinical therapies, health care planning, screening and early detection programs, and other cancer prevention and control initiatives. Using registry information, we can work to lessen the burden of cancer in our state.

## Historical Background of the LTR

Cancer registration in Louisiana began in 1947 in the Charity Hospital Tumor Registry in New Orleans and was limited to patients in that facility. In 1974, as part of its Surveillance, Epidemiology and End Results (SEER) Program, the National Cancer Institute (NCI) provided funds for a population-based cancer incidence and survival registry. Data from the Louisiana Tumor Registry, which then encompassed only Jefferson, Orleans, and St. Bernard parishes, were included in the

1974–1977 SEER national incidence rates.

In 1979, the LTR was transferred to Louisiana's Office of Public Health (OPH). The catchment area for the LTR was expanded in 1983 to include 35 parishes of South Louisiana (Regions 1–5). In 1988, when the 29 parishes of North Louisiana (Regions 6–8) were added, statewide coverage was achieved. Vivien W. Chen, Ph.D., served as director of the registry from 1991 until 2012. On July 1, 2012, Xiao-Cheng Wu, MD, MPH, assumed the position of director.

Beginning in 1994, the Centers for Disease Control and Prevention (CDC) has provided funds for most states, including Louisiana, to participate in the National Program of Cancer Registries. In 1995, the registry was transferred from the OPH to the LSU Board of Supervisors. Since then, the LSU Health Sciences Center in New Orleans has been responsible for the cancer registry program and has provided state funds for its work.

In 2001, after a competitive application process, the Louisiana Tumor Registry was selected to join the SEER Program of the National Cancer Institute as an expansion registry on a provisional basis. Four years later, it became a full member of SEER. As such, the LTR again receives additional funds from the NCI.

Oversight of the registry has been exercised by the Louisiana Cancer and Lung Trust Fund Board, whose members represent various health institutions throughout the state and are appointed by the governor (see Acknowledgements, below).

## Operations of the Registry

The operations of the registry are mandated by public law, R.S. 40:1299.80 et seq., which directs all medical facilities and health care providers to report all cancer cases to the registry. The same rules require strict confidentiality of all data.

## Central Office and Regional Registries

The Louisiana Tumor Registry comprises a central office and eight regional registries that collect and process cancer incidence data from geographic areas based on Louisiana's historic

Office of Public Health districts. (See Appendix A.)

## Collection of Cancer Incidence Data

Each regional registry is responsible for the complete ascertainment of data on cancer diagnoses and treatment in its region within six months of diagnosis. About one fourth of all hospitals in Louisiana maintain their own cancer registries, and the regional registries are responsible for abstracting cases from the remaining hospitals and other facilities such as freestanding pathology labs, treatment centers, outpatient surgical facilities, and physician offices.

Regional registries monitor the facilities in their area for completeness of case ascertainment, as well as editing case abstracts, consolidating multiple reports on the same case, and assisting in training new hospital registry employees. The central office coordinates regional offices to ensure the quality, completeness and timeliness of reporting. In addition, its research staff prepares publications and participates in research activities.

Unrecorded cancer diagnoses identified among Louisiana residents through death certificates are traced back to hospitals, other facilities or physician offices to be abstracted. If the original diagnostic information cannot be located, the case is considered a “death-certificate-only” case, and the date of death is recorded as the diagnosis date.

Interstate exchange of data with other states began in 1997 in order to ensure a higher level of case ascertainment and data completeness. This permits the LTR to obtain cancer data on residents of Louisiana who have traveled out of state for cancer diagnosis and/or treatment. Louisiana has such agreements with 19 states, including all neighboring states. Strict protocols on patient confidentiality are followed.

## Reportable Diagnoses

The Louisiana Tumor Registry complies with national standards in requiring that all in situ and invasive neoplasms (cancers with behavior codes 2 or 3 in the *ICD-O-2*<sup>1</sup> or *ICD-O-3*<sup>2</sup>) be reported. Cervical intraepithelial neoplasia III (CIN III) have been reportable since 2009. Non-reportable

cancers include other intraepithelial or in situ carcinomas of the cervix, intraepithelial carcinoma of the prostate, and basal cell and squamous cell carcinomas of the skin.

Beginning in 2004, benign and borderline tumors of the brain and central nervous system are also reportable, but rates and counts are not presented here. Pilocytic astrocytomas are classified as benign by the World Health Organization but as malignant in North America.

## Data Quality

Quality assurance procedures in the regional registries and central office minimize abstracting and coding errors and evaluate the completeness of case ascertainment.

To enhance the quality of incidence data across the United States, the North American Association of Central Cancer Registries (NAACCR) sets standards for quality, timeliness, and completeness. Data from U.S. registries that meet those standards are used in calculating the “U.S. Combined Cancer Incidence Rates,” which are reported in NAACCR’s annual publication, *Cancer in North America*.<sup>3</sup> Louisiana Tumor Registry data have qualified for inclusion every year since the inception of the certification process in 1997 and have been certified at the gold level for the past 17 years.

LTR data are also included in other cancer surveillance publications that accept only high-quality data: *Cancer Incidence in Five Continents*,<sup>4</sup> published by the World Health Organization’s International Association for Research on Cancer; *United States Cancer Statistics*,<sup>5</sup> published by the CDC and the NCI; and *SEER Cancer Statistics Review*,<sup>6</sup> published by the SEER Program.

## **Confidentiality of Data**

Confidentiality is of highest importance in registry operations. Louisiana law mandates strict confidentiality of data about cancers and health care providers and protects participating facilities and physicians from any liability that may arise from reporting to the cancer registry program.

LTR personnel sign an “Agreement to Maintain Confidentiality of Data” and are subject to penalty

if they disclose confidential information. LTR data are published in aggregate form only. Data

released in public presentations or publications are not intended to correspond to individual cases.

# Presentation of Data

Volume 29 of *Cancer in Louisiana* presents cancer incidence and mortality information about residents of Louisiana diagnosed with cancer between January 1, 2007, and December 31, 2011. Statistics on incidence are found in Tables A–H, and Tables I–N contain data on mortality.

Incidence and mortality rates are provided for the state, the regions of the LTR, the regions of the Office of Public Health and the Louisiana Comprehensive Cancer Control Partnership, the Industrial Corridor, and individual parishes. Descriptions of the OPH and Cancer Control Partnership regions can be found at <http://www.publichealth.lsuhsu.edu/LCCCCP/LCCP/AreaCoordinators.htm>.

To ensure statistical stability, rates are not calculated for cells smaller than sixteen.

## Data Use Standards

### Incidence

The LTR follows standard protocols in computing and publishing cancer incidence data so that Louisiana data can be compared with those from other cancer surveillance publications. These conventions include:

- Only primary cancers are included in the LTR database used for calculating incidence counts or rates. Recurrent or metastatic cases are excluded.
- Rules from the SEER Program determine whether multiple primary cancers for a given patient are considered one case or more than one.
- For preparing statistics, anatomic subsites are combined according to code groupings compiled by the SEER Program of the National Cancer Institute ([http://seer.cancer.gov/siterecode/icdo3\\_d01272003/](http://seer.cancer.gov/siterecode/icdo3_d01272003/)).
- With the exception of bladder cancer, only invasive neoplasms are included in the tables. For cancers of the bladder, both in situ and invasive cases are included. In situ carcinomas of the breast

are listed separately from the invasive cancers and are excluded from the “all sites” totals.

- Neoplasms of the lymphatic, hematopoietic, and reticuloendothelial systems (e.g., lymphomas and leukemias), as well as mesothelioma and Kaposi sarcoma, are grouped by their histologies and not by the anatomical sites where they occur.

### Cancer Deaths

Information on residents of Louisiana who died with cancer as the underlying cause of death was compiled by the National Center for Health Statistics, using mortality data from the Louisiana Office of Public Health and its counterparts in other states. Louisiana residents who died out of state are included in Louisiana statistics.

The SEER Program’s detailed anatomical site codes from the *International Classification of Diseases, 10<sup>th</sup> Revision*<sup>7</sup> for calculating mortality statistics can be found at its website: [http://seer.cancer.gov/codrecode/1969+\\_d09172004/index.html](http://seer.cancer.gov/codrecode/1969+_d09172004/index.html).

### Race

Race for cancer cases is based primarily on information contained in a patient’s medical record, supplemented by information on death certificates. The LTR has made great efforts to resolve discrepancies.

Louisiana cancer incidence and mortality data in this volume include the racial categories of white, black, and all races combined. Other groups were not analyzed separately because of their small numbers. Less than one percent of 2006–2010 cases were of unknown race. Cases with unknown race were included in the calculations of rates for “all races” but not in the race-specific computations.

### Population Estimates



Five-year population estimates by race, sex and age for Louisiana and the U.S. were obtained from the National Cancer Institute and are based on the U.S. Census Bureau's estimates of the populations for 2007–2011.

### Age Adjustment

Age adjustment allows meaningful comparisons of cancer risk in different populations by controlling for differences in the age distributions of those populations. This is important because cancer is diagnosed more frequently among the elderly. Age-adjusted rates are the weighted average of the age-specific rates, where the weights represent the age distribution of a standard population.

Rates in this monograph are age adjusted to the 2000 U.S. standard population. Rates in earlier publications (with data predating 1999), however, were age adjusted to the 1970 U.S. standard population. Because the U.S. populace was older in 2000 than in 1970, the new standard will cause most rates to appear to rise markedly. Thus, incidence and mortality rates in Volumes 1-16 of this series should not be compared with those in subsequent volumes.

## **Comparison Groups**

### Incidence

Estimates of the average annual age-adjusted incidence rates for the U.S. were calculated by the Surveillance, Epidemiology and End Results (SEER) Program of the National Cancer Institute. Data from the SEER Program are recognized for their high quality, and SEER estimates have been traditionally cited as national rates.

The SEER Program estimates in this volume are based on data representing about 28% of the U.S. population. These come from nine state registries (California, Connecticut, Georgia, Hawaii, Iowa, Kentucky, Louisiana, New Jersey, New Mexico and Utah), two metropolitan areas (Detroit and Seattle/Puget Sound), and the American Indian/Alaska Natives of Arizona and Alaska.

### Mortality

Mortality statistics for the United States are based on data from the National Center for Health Statistics, to which all states submit death certificate information.

## **Calculations**

The following versions of SEER\*Stat, developed by the NCI, were used for all calculations:

### Incidence:

Surveillance, Epidemiology, and End Results (SEER) Program ([www.seer.cancer.gov](http://www.seer.cancer.gov))  
SEER\*Stat Database: Incidence - SEER 18 Regs Research Data + Hurricane Katrina Impacted Louisiana Cases, Nov 2013 Sub (2000-2011) <Katrina/Rita Population Adjustment> - Linked To County Attributes - Total U.S., 1969-2012 Counties, National Cancer Institute, DCCPS, Surveillance Research Program, Surveillance Systems Branch, released April 2014 (updated 5/7/2014), based on the November 2013 submission.

### Mortality:

Surveillance, Epidemiology, and End Results (SEER) Program ([www.seer.cancer.gov](http://www.seer.cancer.gov))  
SEER\*Stat Database: Mortality - All COD, Aggregated With County, Total U.S. (1990-2010) <Katrina/Rita Population Adjustment> - Linked To County Attributes - Total U.S., 1969-2011 Counties, National Cancer Institute, DCCPS, Surveillance Research Program, Surveillance Systems Branch, released April 2013. Underlying mortality data provided by NCHS ([www.cdc.gov/nchs](http://www.cdc.gov/nchs)).

## **Cautions in Interpretation**

In comparing rates among geographic areas it is important to keep in mind that a variety of factors, in addition to true differences in the risk of developing or dying from cancer, can contribute to variations in cancer rates. Geographic differences should, therefore, be interpreted with

caution and should be used to generate, not test, hypotheses.

Rates based on small numbers may be unstable. For this reason, federal agencies and some states have guidelines for minimum counts. This issue of *Cancer in Louisiana* publishes rates based on

sixteen or more cases for a five-year period, in conformity with the standards of the “Annual Report to the Nation,” published by the American Cancer Society, the North American Association of Central Cancer Registries, the CDC, and other surveillance agencies.

## Abbreviations and Symbols Used in This Volume

|                |                                                                                      |
|----------------|--------------------------------------------------------------------------------------|
| <b>ICD-O-2</b> | <i>International Classification of Diseases for Oncology, 2<sup>nd</sup> edition</i> |
| <b>ICD-O-3</b> | <i>International Classification of Diseases for Oncology, 3<sup>rd</sup> edition</i> |
| <b>LTR</b>     | Louisiana Tumor Registry                                                             |
| <b>NCI</b>     | National Cancer Institute                                                            |
| <b>NAACCR</b>  | North American Association of Central Cancer Registries                              |
| <b>OPH</b>     | Louisiana Office of Public Health                                                    |
| <b>SEER</b>    | Surveillance, Epidemiology and End Results Program of the National Cancer Institute  |
| --             | Not applicable                                                                       |
| ^              | Rate is not calculated for a case count lower than sixteen                           |

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6. Available at [http://seer.cancer.gov/csr/1975\\_2010/](http://seer.cancer.gov/csr/1975_2010/)
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A list of the first 28 volumes of *Cancer in Louisiana* is available at  
<http://louisianatumorregistry.lsuhs.edu/pdf/Louisiana%20Tumor%20Registry%20Monograph%20Series.pdf>

# Web Addresses for Cancer-Related Organizations

**American Cancer Society:** <http://www.cancer.org>

**Behavioral Risk Factor Surveillance System:** [www.cdc.gov/brfss](http://www.cdc.gov/brfss)

**Centers for Disease Control and Prevention:** <http://www.cdc.gov/>

**Louisiana Breast and Cervical Health Program:** <http://louisianacancer.org>

**Louisiana Cancer Control Partnership:**  
<http://www.publichealth.lsuhs.edu/lcccp/lccp/ExecutiveCommittee.htm>

**Louisiana Cancer Registrars' Association:** <http://www.lcra-usa.org>

**Louisiana Office of Public Health:** [www.oph.dhh.louisiana.gov/](http://www.oph.dhh.louisiana.gov/)

**National Cancer Institute:** <http://cancer.gov>

**North American Association of Central Cancer Registries:** [www.naaccr.org](http://www.naaccr.org)

**SEER Program (NCI):** <http://seer.cancer.gov>

**State Cancer Profiles:** <http://statecancerprofiles.cancer.gov>

**Tobacco-Free Louisiana:** <http://www.lphi.org/home2/section/3-27/the-louisiana-campaign-for-tobacco-free-living>

**United States Cancer Statistics (National Program of Cancer Registries, CDC):**  
<http://apps.nccd.cdc.gov/uscs>

## **APPENDIX A**

### **Regions of the Louisiana Tumor Registry and the Louisiana Office of Public Health**

Because the Louisiana Tumor Registry was created as an agency of the Louisiana Office of Public Health (OPH), it followed the Department of Health and Hospitals' regional divisions in its publications. Using OPH boundaries enabled state officials to take advantage of the existing public health structure in case alarming cancer incidence patterns emerged.

Later, the OPH revised its health regions to respond to changing population patterns (especially the growth of the area north of Lake Pontchartrain, now Region 9) and to eliminate the geographic isolation of Plaquemines Parish for public health operations. Regions 5-8 did not change.

The Tumor Registry, however, has retained the traditional OPH regional boundaries, in order to monitor historical incidence trends.

Maps of the regions are available at:

OPH: <http://www.dhh.louisiana.gov/assets/images/maps/regionmap.jpg>

LTR: <http://louisianatumorregistry.lsuhs.edu/>

## Regions of the Louisiana Tumor Registry

| <i>Regional registry</i>          | <i>Beginning date<br/>of the Registry</i> | <i>Average annual<br/>Population<br/>2007–2011</i> | <i>Parishes covered</i>                                                                                                                                 |
|-----------------------------------|-------------------------------------------|----------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| New Orleans<br>(Region 1)         | 1974                                      | 786,157                                            | Jefferson, Orleans, St. Bernard                                                                                                                         |
| Baton Rouge<br>(Region 2)         | 1983                                      | 938,591                                            | Ascension, Assumption, East Baton Rouge, East Feliciana, Iberville, Livingston, Pointe Coupée, St. Helena, Tangipahoa, West Baton Rouge, West Feliciana |
| Southeast Louisiana<br>(Region 3) | 1983                                      | 630,022                                            | Lafourche, Plaquemines, St. Charles, St. James, St. John, St. Tammany, Terrebonne, Washington                                                           |
| Acadiana<br>(Region 4)            | 1983                                      | 635,676                                            | Acadia, Evangeline, Iberia, Lafayette, St. Landry, St. Martin, St. Mary, Vermilion                                                                      |
| Southwest Louisiana<br>(Region 5) | 1983                                      | 290,590                                            | Allen, Beauregard, Calcasieu, Cameron, Jefferson Davis                                                                                                  |
| Central Louisiana<br>(Region 6)   | 1988                                      | 306,971                                            | Avoyelles, Catahoula, Concordia, Grant, La Salle, Rapides, Vernon, Winn                                                                                 |
| Northwest Louisiana<br>(Region 7) | 1988                                      | 541,691                                            | Bienville, Bossier, Caddo, Claiborne, De Soto, Natchitoches, Red River, Sabine, Webster                                                                 |
| Northeast Louisiana<br>(Region 8) | 1988                                      | 354,643                                            | Caldwell, East Carroll, Franklin, Jackson, Lincoln, Madison, Morehouse, Ouachita, Richland, Tensas, Union, West Carroll                                 |
| Entire state                      | 1988                                      | 4,484,341                                          |                                                                                                                                                         |

Source: U.S. Bureau of Census and National Cancer Institute, April 2014.

## **Regions of the Office of Public Health**

### **Region 1: New Orleans Region**

Jefferson Parish  
Orleans Parish  
Plaquemines Parish  
St. Bernard Parish

### **Region 2: Baton Rouge Region**

Ascension Parish  
East Baton Rouge Parish  
East Feliciana Parish  
Iberville Parish  
Pointe Coupee Parish  
West Baton Rouge Parish  
West Feliciana Parish

### **Region 3: Southeast Region**

Assumption Parish  
Lafourche Parish  
St. Charles Parish  
St. James Parish  
St. John the Baptist Parish  
St. Mary Parish  
Terrebonne Parish

### **Region 4: Acadiana Region**

Acadia Parish  
Evangeline Parish  
Iberia Parish  
Lafayette Parish  
St. Landry Parish  
St. Martin Parish  
Vermilion Parish

### **Region 5: Southwest Region**

Allen Parish  
Beauregard Parish  
Calcasieu Parish  
Cameron Parish  
Jefferson Davis Parish

### **Region 6: Central Region**

Avoyelles Parish  
Catahoula Parish  
Concordia Parish  
Grant Parish  
La Salle Parish  
Rapides Parish  
Vernon Parish  
Winn Parish

### **Region 7: Northwest Region**

Bienville Parish  
Bossier Parish  
Caddo Parish  
Claiborne Parish  
De Soto Parish  
Natchitoches Parish  
Red River Parish  
Sabine Parish  
Webster Parish

### **Region 8: Northeast Region**

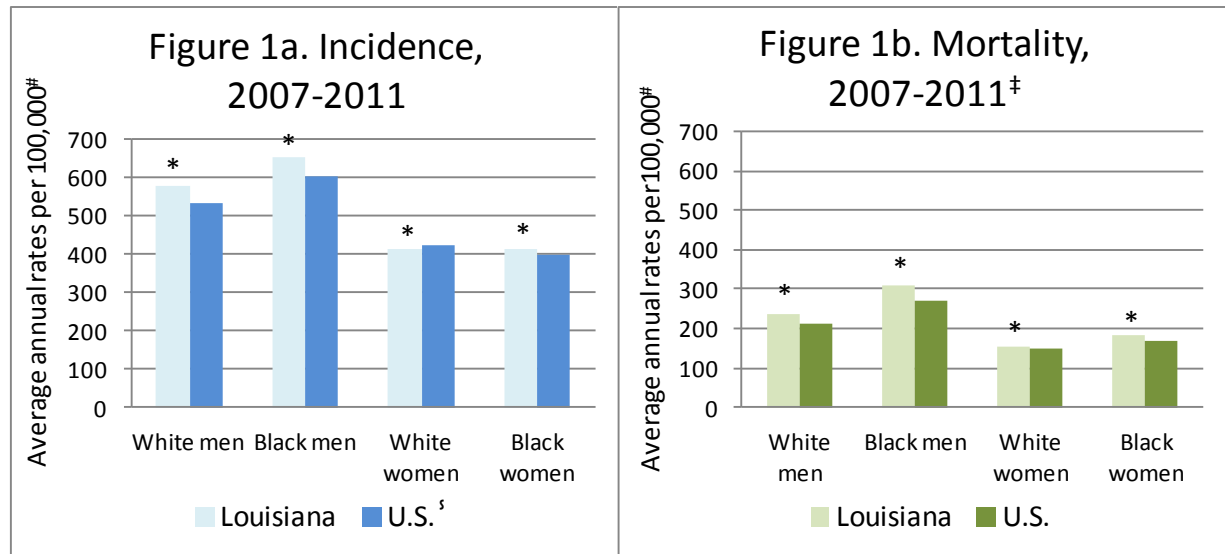
Caldwell Parish  
East Carroll Parish  
Franklin Parish  
Jackson Parish  
Lincoln Parish  
Madison Parish  
Morehouse Parish  
Ouachita Parish  
Richland Parish  
Tensas Parish  
Union Parish  
West Carroll Parish

### **Region 9: Northlake Region**

Livingston Parish  
St. Helena Parish  
St. Tammany Parish  
Tangipahoa Parish  
Washington Parish



## Figure 1. All Cancers Combined



# Average Annual Age-Adjusted (2000 U.S.) Rates per 100,000.

\* The Louisiana rate differs significantly from the U.S. rate ( $p < 0.05$ ).

<sup>§</sup> U.S. incidence rates are from the SEER Program (18 regions) of the National Cancer Institute.

<sup>‡</sup> Mortality data were obtained from the NCHS (National Center for Health Statistics).

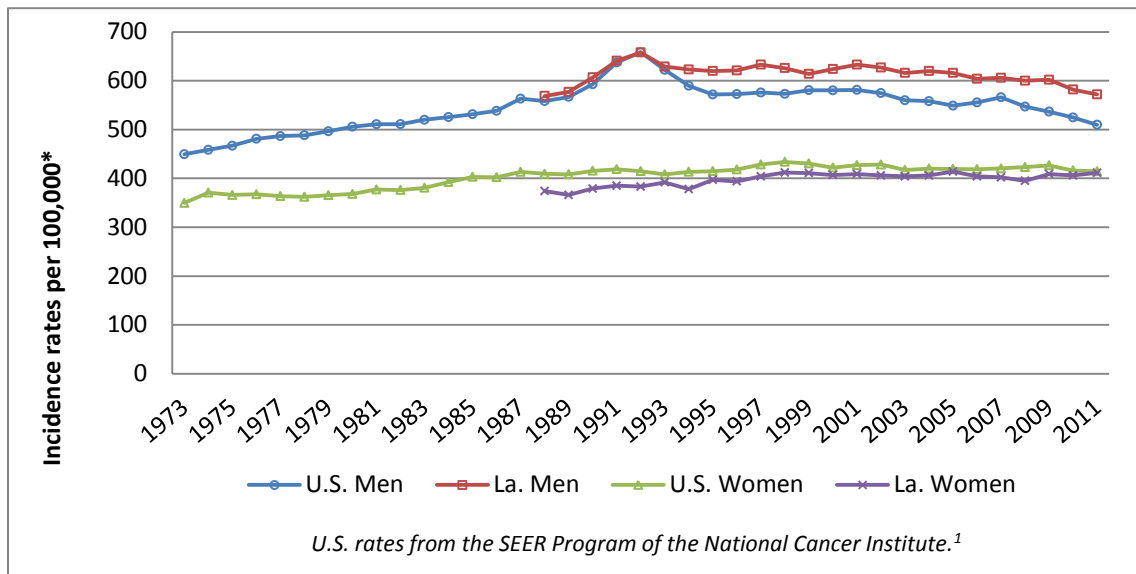
Almost 22,831 new cases of invasive cancer were diagnosed each year, 2007-2011, in Louisiana. If all race/sex groups are combined, cancers of the prostate, lung, breast, and colorectum (in that order) are the most frequently diagnosed cancers in Louisiana (Tables A-B). In the U.S., however, the following is the order of highest rates: prostate, breast, lung, and colorectum. These four cancers account for over half of all new diagnosed invasive cancers for both Louisiana and U.S. (55.3% and 51.8%, respectively).

Cancer caused an average of about 9,093 deaths per year in Louisiana in 2007-2011, stable from 2007-2011. Compared to U.S., Louisiana has significantly higher mortality rates than U.S. among four race/sex groups.

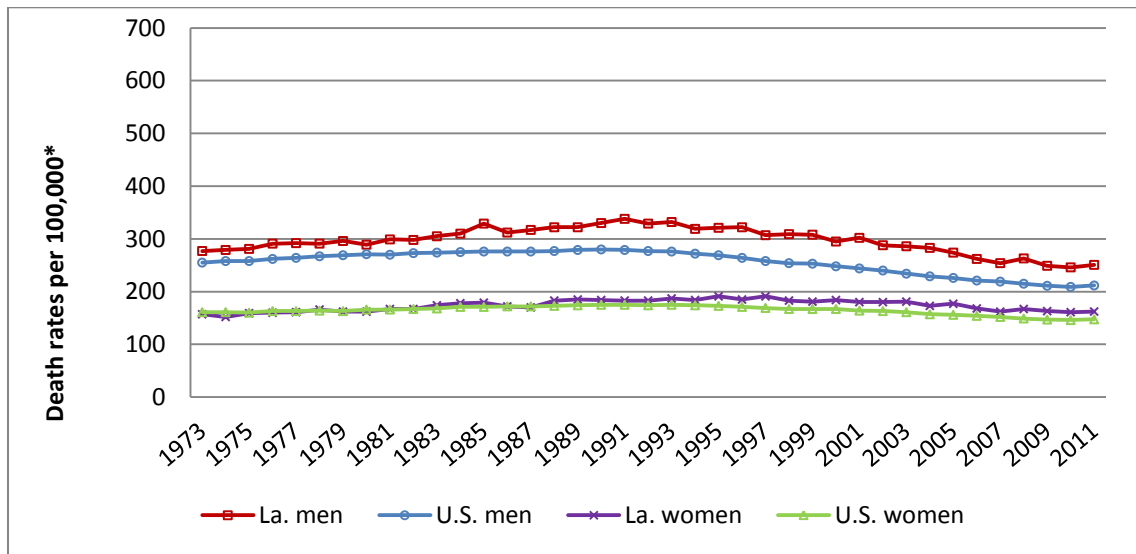
Over half the cancer deaths in both Louisiana and the U.S. were attributed to lung, colorectal, breast, and pancreatic cancers. While cancer mortality rates have been declining in Louisiana and the U.S. since the early 1990s, this decline is more rapid among men than women.

## Figure 2. Time Trends: All Cancers Combined

### Incidence, 1973-2011



### Mortality, 1973-2011<sup>2</sup>



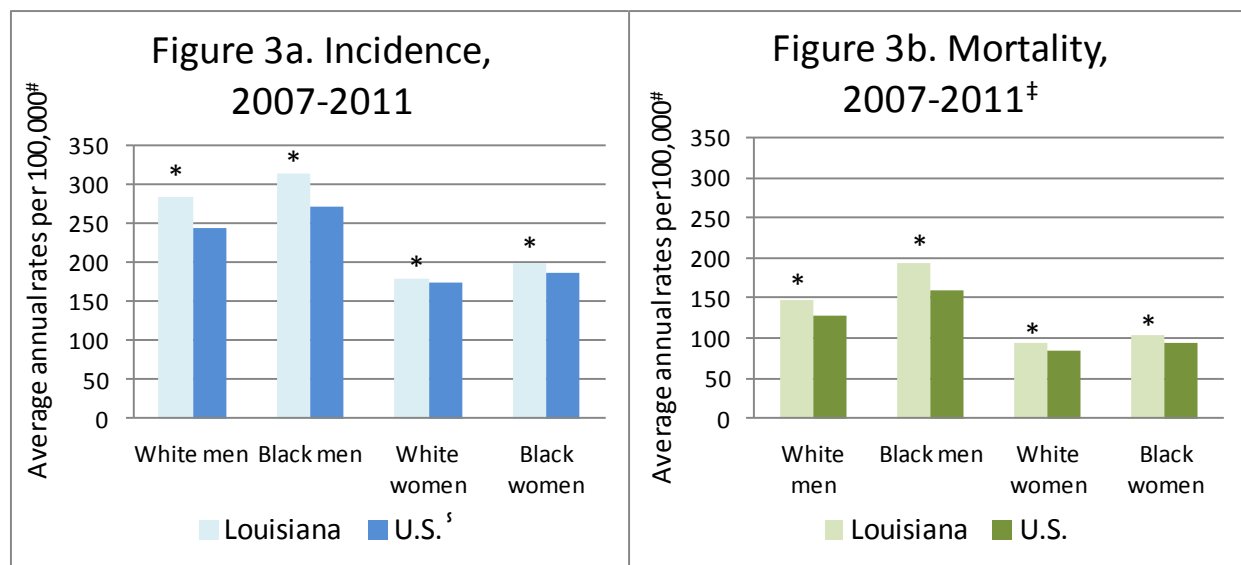
\*All rates are age adjusted to the U.S. 2000 standard.

<sup>1</sup>Surveillance, Epidemiology, and End Results (SEER) Program ([www.seer.cancer.gov](http://www.seer.cancer.gov)) SEER\*Stat Database: Incidence - SEER 9 Regs Research Data, Nov 2013 Sub (1973-2011) <Katrina/Rita Population Adjustment> - Linked To County Attributes - Total U.S., 1969-2012 Counties, National Cancer Institute, DCCPS, Surveillance Research Program, Surveillance Systems Branch, released April 2014, based on the November 2013 submission.

<sup>2</sup> Mortality data were obtained from the NCHS (National Center for Health Statistics).

Cancer incidence and mortality are higher for men in Louisiana than in the U.S. overtime; however, both trends have been declining for men in Louisiana and the U.S.. For women, the declining trend was observed in mortality rate for Louisiana and the U.S..

### Figure 3. Tobacco-Related Cancer



# Average Annual Age-Adjusted (2000 U.S.) Rates per 100,000.

\* The Louisiana rate differs significantly from the U.S. rate (p < 0.05).

<sup>§</sup> U.S. incidence rates are from the SEER Program (18 regions) of the National Cancer Institute.

<sup>‡</sup> Mortality data were obtained from the NCHS (National Center for Health Statistics).

The American Cancer Society reports<sup>1</sup> that tobacco use is a risk factor for cancers of the nasopharynx, nasal cavity and paranasal sinuses, lip, oral cavity, pharynx, larynx, lung, esophagus, stomach, colorectum, pancreas, cervix, uterine, ovary (mucinous), kidney, bladder, and acute myeloid leukemia. Approximately one third of new cancers and almost half of cancer deaths each year in Louisiana and the U.S. are tobacco-related.

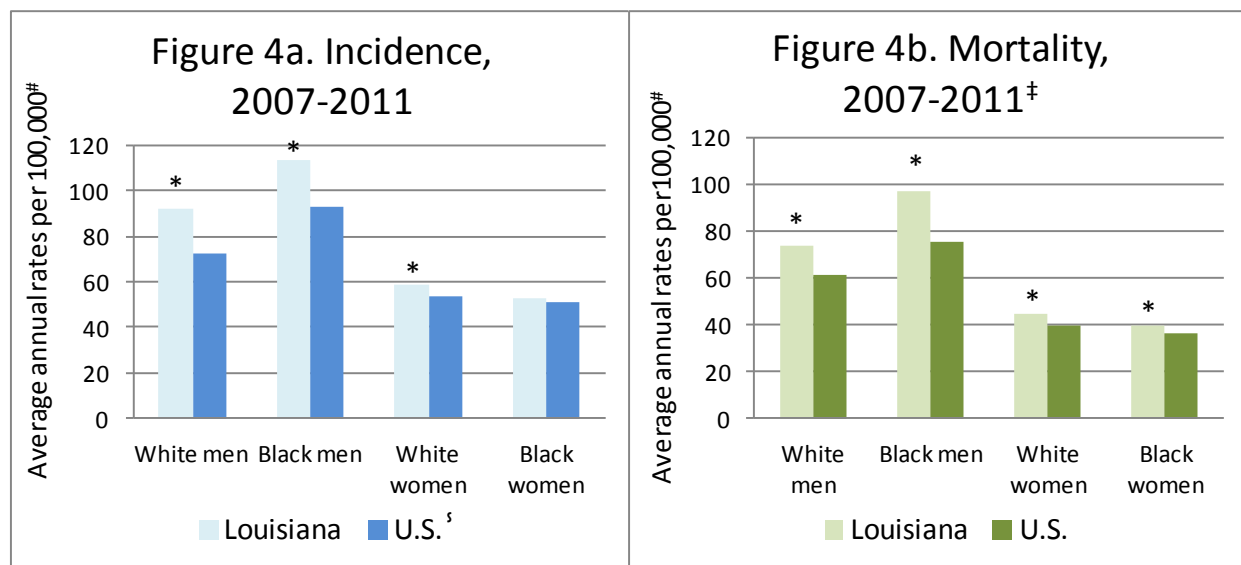
In Louisiana, both the incidence and the mortality rates of tobacco-related cancers are significantly higher than those for the U.S. for the four major race-sex groups. ***Despite this, Louisiana has the third-lowest cigarette taxes in the nation.***

According to the CDC's 2013 Behavioral Risk Factor Surveillance Survey,<sup>2</sup> Louisiana ranks 7<sup>th</sup> in the prevalence of smoking. That year, 27.3% of Louisiana men smoked, vs. 21.6% nationwide; 20.0% of Louisiana women smoked, vs. 17.2 % nationally.

<sup>1</sup>American Cancer Society. Atlanta, Ga. Available at <http://www.cancer.org>.

<sup>2</sup>Available at <http://apps.nccd.cdc.gov/brfss/>.

## Figure 4. Lung Cancer



# Average Annual Age-Adjusted Rates (2000 U.S.) per 100,000.

\* The Louisiana rate differs significantly from the U.S. rate ( $p < 0.05$ ).

<sup>§</sup> U.S. incidence rates are from the SEER Program (18 regions) of the National Cancer Institute.

<sup>‡</sup> Mortality data were obtained from the NCHS (National Center for Health Statistics).

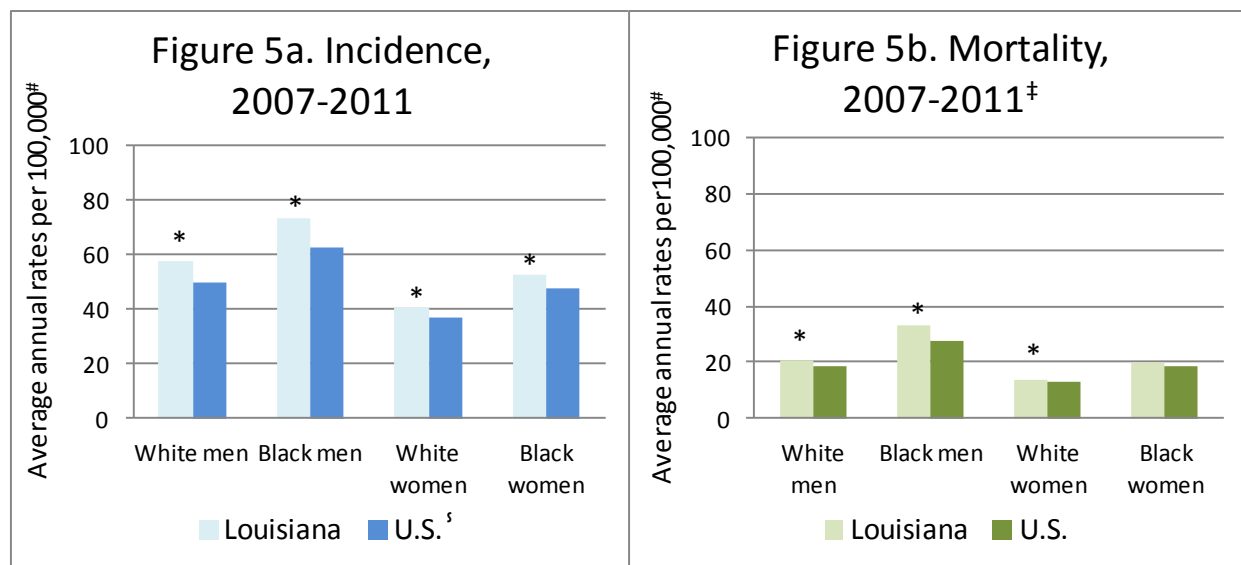
Lung cancer accounted for 14%-15% of all new cancer diagnoses between 2007 and 2011 and 28%-30% cancer deaths between 2007 and 2011, in the U.S. and Louisiana. Lung cancer incidence rates are significantly higher in Louisiana than in the U.S. for men and for white women, and Louisiana mortality exceeds the national levels for all four race-sex groups.

Among men in both Louisiana and the U.S., lung cancer incidence and mortality rates have been trending strongly downward for over 20 years, while for women the rates began tapering off more recently and declining slightly, after a long gradual rise.

Risk factors for lung cancer: The American Cancer Society states that cigarette smoking is the most important risk factor and that the risk increases with the quantity and duration of cigarette use. Other risk factors include cigar and pipe smoking; exposures to secondhand smoke, radon, asbestos (particularly among smokers), certain metals and organic chemicals, radiation, air pollution, diesel exhaust, and paint; family history of lung cancer; and probably a history of tuberculosis.<sup>1</sup>

<sup>1</sup> American Cancer Society. Atlanta, Ga. Available at <http://www.cancer.org>.

## Figure 5. Colorectal Cancer



# Average Annual Age-Adjusted (2000 U.S.) Rates per 100,000.

\* The Louisiana rate differs significantly from the U.S. rate ( $p < 0.05$ ).

<sup>§</sup> U.S. incidence rates are from the SEER Program (18 regions) of the National Cancer Institute.

<sup>‡</sup> Mortality data were obtained from the NCHS (National Center for Health Statistics).

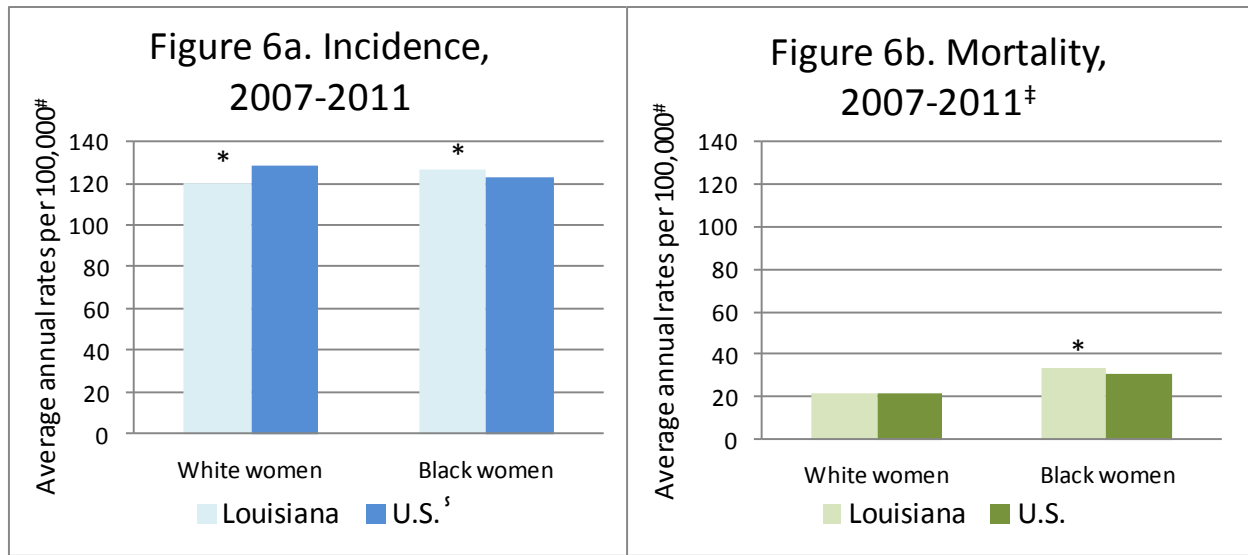
For Louisiana men and white women, colorectal cancer was the third most commonly diagnosed cancer in 2007-2011; for black women it ranked second. Nationwide and in Louisiana, colorectal cancer also is the second most common cause of death for all major race/sex groups combined in 2007-2011. Since 2000, death rates from colorectal cancer have trended downward about 25% in the U.S. and about 26% in Louisiana.

Many cases of colorectal cancer could be prevented--and many deaths could be avoided--through the use of screening options such as fecal occult blood tests and endoscopy. Despite this, over half of the cases are diagnosed after they have spread to other organs.

**Risk factors:** Risk increases with age. In addition, according to the American Cancer Society, the following factors can increase the likelihood of this diagnosis: obesity, physical inactivity, long-term smoking, alcohol consumption, a diet high in red and/or processed meats, a family history of colon cancer or polyps, certain hereditary colorectal conditions, and possibly low consumption levels of fruits and vegetables.<sup>1</sup>

<sup>1</sup>American Cancer Society. Atlanta, Ga. Available at <http://www.cancer.org>.

**Figure 6. Female Breast Cancer**



<sup>#</sup> Average Annual Age-Adjusted (2000 U.S.) Rates per 100,000.

\* The Louisiana rate differs significantly from the U.S. rate ( $p < 0.05$ ).

<sup>§</sup> U.S. incidence rates are from the SEER Program (18 regions) of the National Cancer Institute.

<sup>‡</sup> Mortality data were obtained from the NCHS (National Center for Health Statistics).

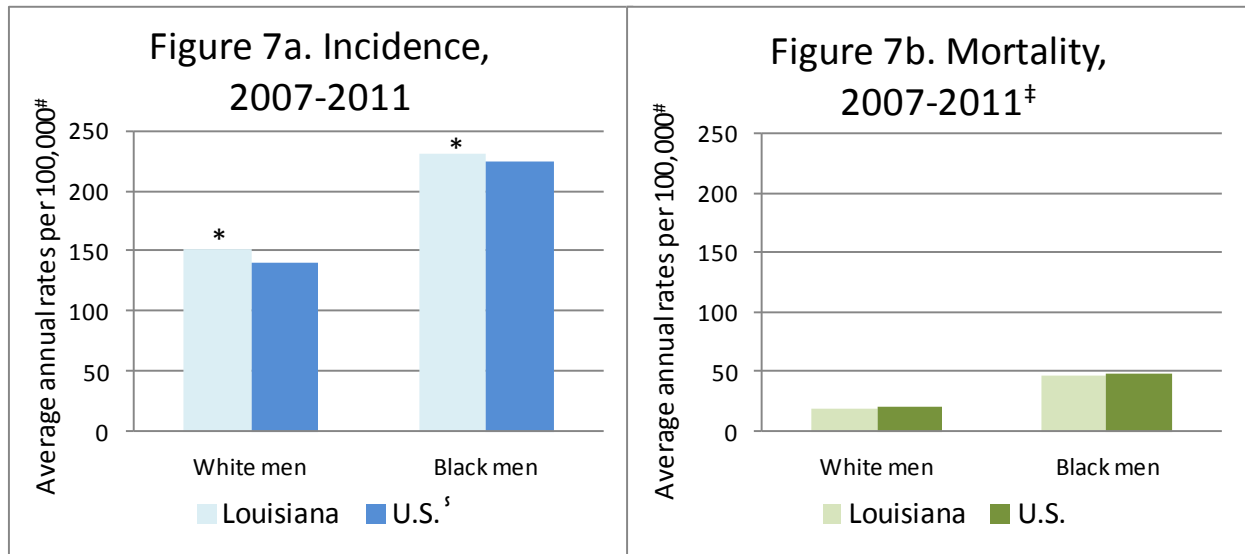
Breast cancer is the most frequently diagnosed cancer among women, both in Louisiana and the U.S. Black women have significantly higher rates than U.S. in both incidence and mortality rates in 2007-2011. Because of early detection and improved treatment, mortality rates have been declining for about 20 years, and since 2000 they have fallen about 18% in the U.S.

According to the American Cancer Society, the most important risk factor for breast cancer is age. Family history, a long menstrual history, never having had children, having a first child after age 30, recent use of oral contraceptives, weight gain after as an adult (age 18), being overweight or obese, high-dose radiation to the chest, use of menopausal hormone therapy (combined estrogen and progestin), physical inactivity, and daily consumption of alcohol also increase the likelihood of developing breast cancer.<sup>1</sup>

Continued efforts to expand early detection programs can narrow these gaps. Information about free or reduced cost mammograms is available at 888/599-1073.

<sup>1</sup>American Cancer Society. Atlanta, Ga. Available at <http://www.cancer.org>.

## Figure 7. Prostate Cancer



# Average Annual Age-Adjusted (2000 U.S.) Rates per 100,000.

\* The Louisiana rate differs significantly from the U.S. rate ( $p < 0.05$ ).

<sup>§</sup> U.S. incidence rates are from the SEER Program (18 regions) of the National Cancer Institute.

<sup>‡</sup> Mortality data were obtained from the NCHS (National Center for Health Statistics).

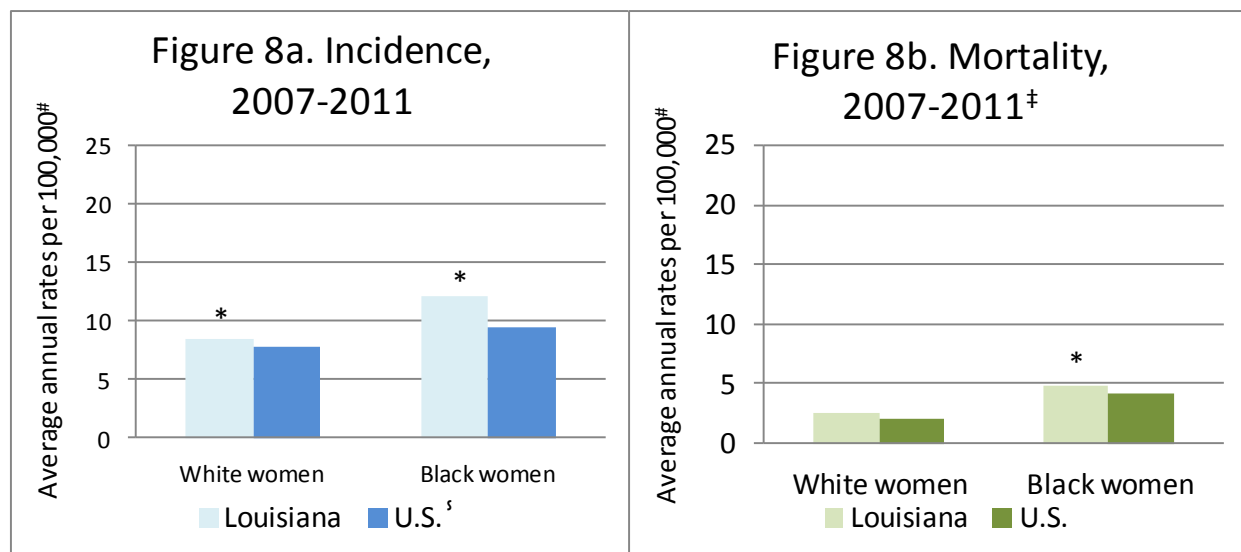
Prostate cancer is the most commonly diagnosed cancer among men, because of its relatively favorable prognosis it is not the most fatal cancer. Prostate cancer incidence and mortality are markedly higher among black men than among white men, but the reasons for these disparities are not fully understood. Prostate incidence rates in Louisiana are significantly higher than in U.S. for both white and black men; however, there are no statistical significant differences in mortality rate between Louisiana and U.S. for these two groups.

The well-established risk factors are age, race, and family history of prostate cancer. “A diet high in processed meats or dairy products may also be a risk factor, and obesity appears to increase risk of aggressive prostate cancer,” the American Cancer Society reports.<sup>1</sup>

The PSA test, which measures a prostate-specific antigen in the blood, was introduced in the late 1980s and permits the early detection of prostate cancer, before symptoms are noticeable. Because its effectiveness in improving survival and quality of life is still controversial, major scientific and medical organizations recommend that men discuss the PSA test with their physicians.

<sup>1</sup> American Cancer Society. Atlanta, GA. Available at <http://www.cancer.org>.

## Figure 8. Cervical Cancer



# Average Annual Age-Adjusted (2000 U.S.) Rates per 100,000.

\* The Louisiana rate differs significantly from the U.S. rate ( $p < 0.05$ ).

<sup>§</sup> U.S. incidence rates are from the SEER Program (18 regions) of the National Cancer Institute.

<sup>‡</sup> Mortality data were obtained from the NCHS (National Center for Health Statistics).

Screening programs using Pap tests allow precancerous lesions to be detected and removed before they become invasive and spread. As a result, U.S. deaths from cervical cancer have fallen markedly, from 6.7 per 100,000 in 1969 to 2.1 in 2011 for white women and from 17.8 in 1969 to 4.1 in 2011 for black women. Incidence also continues to fall.

Louisiana rates for white women approximate national rates. Black women, however, experience significantly higher incidence and mortality than their national counterparts. Although they were slightly less likely to have had a Pap test in the preceding three years (2012 data),<sup>1</sup> Black women in Louisiana were less likely to be diagnosed with advanced disease than counterparts nationwide.

Risk factors for cervical cancer, according to the American Cancer Society, include infection with certain types of human papillomavirus (HPV), having sex at an early age or with multiple partners, immunosuppression, having a large number of children, and cigarette smoking.<sup>2</sup> The U.S. Food and Drug Administration has approved Gardasil<sup>®</sup> and Cervaris<sup>®</sup> vaccines to prevent the most common HPV infections that cause cervical cancer, for use by women aged 9-26. In addition, many medical organizations recommend that women over 30 receive routine screening for HPV.<sup>3</sup>

Information about breast and cervical cancer screening programs for uninsured and under-insured women is available by calling 888/599-1073.

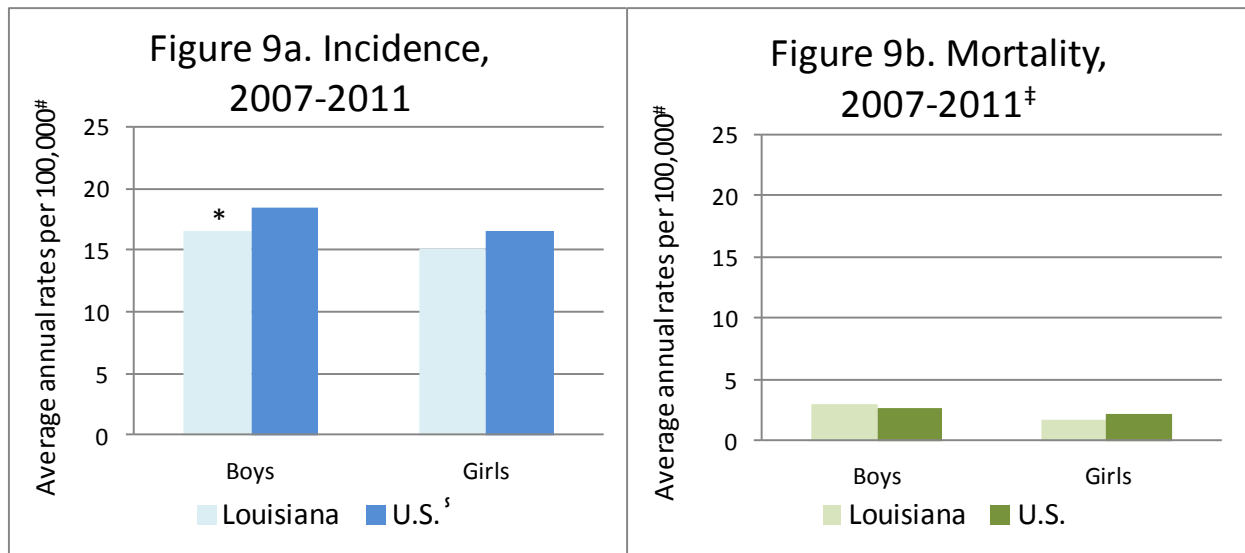
<sup>1</sup> CDC, Behavioral Risk Factor Surveillance System: <http://apps.nccd.cdc.gov/brfss/>.

<sup>2</sup> American Cancer Society. Atlanta, GA. Available at <http://www.cancer.org>.

<sup>3</sup> <http://www.cancer.org/Cancer/News/ExpertVoices/post/2012/03/14/Is-a-Pap-test-necessary-every-year.aspx>



## Figure 9. Cancer among Children and Adolescents Aged 0-19



<sup>#</sup>Average Annual Age-Adjusted (2000 U.S.) Rates per 100,000.

\*The Louisiana rate differs significantly from the U.S. rate ( $p < 0.05$ ).

<sup>§</sup>U.S. incidence rates are from the SEER Program (18 regions) of the National Cancer Institute.

<sup>‡</sup>Mortality data were obtained from the NCHS (National Center for Health Statistics).

Cancer incidence rates among those aged 0-19 boys were significantly lower in Louisiana than in the U.S. from 2007-2011. Louisiana mortality rates for those aged 0-19 were slightly lower than for U.S. children and adolescents (2.3 per 100,000 vs. 2.4 per 100,000) died between 2007 and 2011, but the difference was not significant.

The cancers most commonly diagnosed in Louisiana among the 0-19 age-group continue to be leukemia, malignant brain cancer, and lymphomas.

Advances in treatment have led to a steady decline in cancer deaths for children and adolescents. In 1975, the mortality rate was 5.1 per 100,000 youth, age 0-19, in the US, while in 2011 it dropped to 2.4 per 100,000.

### Figure 10. Stage at Diagnosis and Survival

Stage at diagnosis describes whether the cancer has spread and, if so, how far. This information provides important guidance for physicians planning treatment and helps predict survival. The four most common categories are:

***In Situ (AJCC Stage 0):*** Tumor cells have not invaded, or spread, into the surrounding cells.

**Localized (AJCC Stage 1):** The tumor is found only in the area of the body where it began.

**Regional (AJCC Stages 2 and 3):** The cancer has invaded regional tissue and/or lymph nodes. For breast cancer, this stage also includes tumors at least 2 cm. in diameter, regardless of invasion.

**Distant (AJCC Stage 4):** The cancer has spread, or metastasized, to distant parts of the body.

Those diagnosed with advanced disease are more likely to undergo more aggressive and expensive treatments, as well as facing worse prognosis.

| Diagnosis by Stage, 2007-2011, in Louisiana and the U.S.                                                |                      |       |  |                   |       |  |                 |       |
|---------------------------------------------------------------------------------------------------------|----------------------|-------|--|-------------------|-------|--|-----------------|-------|
|                                                                                                         |                      |       |  |                   |       |  |                 |       |
| Stage at diagnosis                                                                                      | Female Breast Cancer |       |  | Colorectal Cancer |       |  | Cervical Cancer |       |
|                                                                                                         | Louisiana            | U.S.  |  | Louisiana         | U.S.  |  | Louisiana       | U.S.  |
| <i>In situ</i>                                                                                          | 17.0%                | 20.2% |  | 4.6%              | 4.5%  |  | Not available   |       |
| <i>Localized</i>                                                                                        | 49.8%                | 49.9% |  | 39.3%             | 38.4% |  | 45.1%           | 45.8% |
| <i>Regional</i>                                                                                         | 26.6%                | 23.8% |  | 32.9%             | 33.0% |  | 37.4%           | 35.7% |
| <i>Distant</i>                                                                                          | 5.2%                 | 4.5%  |  | 19.4%             | 18.8% |  | 12.4%           | 13.4% |
| <i>Unknown</i>                                                                                          | 1.3%                 | 1.7%  |  | 3.8%              | 5.3%  |  | 5.1%            | 5.2%  |
| SEER Summary Stage 2000.<br>U.S. data from National Cancer Institute SEER Program (SEER 18 registries). |                      |       |  |                   |       |  |                 |       |

The following table shows the effect of stage on survival for three diseases with screening techniques.

| 5-Year Survival with Cancers That Can Be Detected Early |                      |       |  |                   |       |  |                 |
|---------------------------------------------------------|----------------------|-------|--|-------------------|-------|--|-----------------|
| Stage at Diagnosis                                      | Female Breast Cancer |       |  | Colorectal Cancer |       |  | Cervical Cancer |
|                                                         | Louisiana            | U.S.  |  | Louisiana         | U.S.  |  | Louisiana U.S.  |
| <i>In situ</i>                                          | 100%                 | 100%  |  | 91.5%*            | 94.7% |  | Not available   |
| <i>Localized</i>                                        | 95.2%*               | 98.4% |  | 86.0%*            | 89.7% |  | 85.7%* 91.0%    |
| <i>Regional</i>                                         | 79.0%*               | 83.9% |  | 66.3%*            | 69.3% |  | 51.2%* 57.4%    |
| <i>Distant</i>                                          | 18.3%*               | 24.1% |  | 10.7%             | 11.9% |  | 18.0% 16.6%     |

Relative survival for cases diagnosed 2000-2010, followed through 2011. Data from National Cancer Institute SEER Program (SEER 18 registries).

\*Louisiana rate differs significantly (p < 0.05) from SEER rate.

**Table A1. Average Annual Number of Cancer Cases, 2007-2011, Louisiana**

| Primary Site                        | All Races          |        |         | Whites             |       |         | Blacks             |       |         | AI/AN <sup>1</sup> & APis <sup>2</sup> |       |         |
|-------------------------------------|--------------------|--------|---------|--------------------|-------|---------|--------------------|-------|---------|----------------------------------------|-------|---------|
|                                     | Total <sup>3</sup> | Males  | Females | Total <sup>3</sup> | Males | Females | Total <sup>3</sup> | Males | Females | Total <sup>3</sup>                     | Males | Females |
| <i>Invasive Cancers<sup>4</sup></i> |                    |        |         |                    |       |         |                    |       |         |                                        |       |         |
| All Sites Combined                  | 22,831             | 12,460 | 10,371  | 16,371             | 8,977 | 7,394   | 6,259              | 3,378 | 2,881   | 178                                    | 91    | 87      |
| Oral Cavity and Pharynx             | 607                | 441    | 166     | 455                | 335   | 119     | 146                | 103   | 44      | 6                                      | 3     | 2       |
| Lip                                 | 35                 | 29     | 5       | 33                 | 28    | 5       | 2                  | 1     | 1       | 0                                      | 0     | 0       |
| Tongue                              | 171                | 123    | 48      | 136                | 100   | 36      | 34                 | 22    | 12      | 1                                      | 0     | 1       |
| Salivary Gland                      | 55                 | 34     | 21      | 42                 | 28    | 14      | 13                 | 7     | 7       | 0                                      | 0     | 0       |
| Floor of Mouth                      | 37                 | 27     | 10      | 28                 | 19    | 9       | 9                  | 7     | 1       | 0                                      | 0     | 0       |
| Gum and Other Mouth                 | 85                 | 49     | 36      | 62                 | 36    | 26      | 22                 | 12    | 10      | 1                                      | 1     | 0       |
| Nasopharynx                         | 32                 | 25     | 7       | 17                 | 13    | 4       | 12                 | 11    | 1       | 2                                      | 1     | 1       |
| Tonsil                              | 107                | 88     | 19      | 83                 | 69    | 14      | 23                 | 18    | 5       | 1                                      | 1     | 0       |
| Oropharynx                          | 28                 | 22     | 6       | 16                 | 12    | 4       | 12                 | 10    | 2       | 0                                      | 0     | 0       |
| Hypopharynx                         | 45                 | 36     | 9       | 28                 | 23    | 5       | 17                 | 13    | 3       | 0                                      | 0     | 0       |
| Other                               | 13                 | 9      | 4       | 10                 | 7     | 3       | 3                  | 2     | 1       | 0                                      | 0     | 0       |
| Digestive System                    | 4,364              | 2,438  | 1,926   | 2,940              | 1,674 | 1,265   | 1,374              | 736   | 638     | 48                                     | 27    | 21      |
| Esophagus                           | 241                | 191    | 51      | 175                | 143   | 32      | 64                 | 45    | 19      | 2                                      | 2     | 0       |
| Stomach                             | 370                | 224    | 146     | 202                | 130   | 72      | 162                | 91    | 70      | 7                                      | 3     | 4       |
| Small Intestine                     | 125                | 66     | 59      | 77                 | 42    | 35      | 47                 | 23    | 24      | 1                                      | 1     | 0       |
| Colon and Rectum                    | 2,380              | 1,263  | 1,118   | 1,628              | 884   | 744     | 733                | 369   | 364     | 18                                     | 10    | 9       |
| Colon excluding rectum              | 1,692              | 860    | 832     | 1,151              | 597   | 554     | 528                | 257   | 271     | 13                                     | 6     | 6       |
| Rectum and Rectosigmoid Junction    | 688                | 402    | 286     | 477                | 287   | 190     | 205                | 112   | 93      | 6                                      | 3     | 2       |
| Anus, Anal Canal and Anorectum      | 84                 | 35     | 48      | 65                 | 26    | 39      | 19                 | 9     | 9       | 0                                      | 0     | 0       |
| Liver and Intrahepatic Bile Duct    | 373                | 280    | 93      | 232                | 173   | 59      | 129                | 98    | 32      | 12                                     | 9     | 3       |
| Liver                               | 351                | 268    | 84      | 215                | 164   | 52      | 125                | 95    | 30      | 11                                     | 8     | 3       |
| Intrahepatic Bile Duct              | 21                 | 12     | 9       | 17                 | 10    | 7       | 4                  | 2     | 2       | 1                                      | 0     | 0       |
| Gallbladder                         | 50                 | 17     | 33      | 29                 | 11    | 19      | 20                 | 6     | 14      | 0                                      | 0     | 0       |
| Other Biliary Tract                 | 76                 | 42     | 34      | 58                 | 33    | 25      | 16                 | 8     | 8       | 1                                      | 1     | 1       |
| Pancreas                            | 613                | 303    | 310     | 433                | 220   | 213     | 173                | 80    | 93      | 6                                      | 2     | 4       |
| Retroperitoneum                     | 17                 | 8      | 9       | 13                 | 6     | 7       | 4                  | 1     | 2       | 0                                      | 0     | 0       |
| Peritoneum, Omentum, Mesentery      | 21                 | 2      | 19      | 18                 | 1     | 17      | 3                  | 1     | 2       | 0                                      | 0     | 0       |
| Other                               | 15                 | 9      | 7       | 10                 | 5     | 5       | 5                  | 3     | 2       | 0                                      | 0     | 0       |
| Respiratory System                  | 3,762              | 2,225  | 1,537   | 2,722              | 1,572 | 1,150   | 1,013              | 636   | 377     | 27                                     | 17    | 10      |
| Nose, Nasal Cavity and Middle Ear   | 35                 | 23     | 12      | 26                 | 17    | 8       | 9                  | 5     | 3       | 0                                      | 0     | 0       |
| Larynx                              | 261                | 206    | 55      | 175                | 137   | 39      | 85                 | 69    | 16      | 1                                      | 1     | 0       |
| Lung and Bronchus                   | 3,456              | 1,989  | 1,467   | 2,513              | 1,413 | 1,100   | 917                | 560   | 357     | 25                                     | 16    | 10      |
| Pleura                              | 2                  | 1      | 1       | 1                  | 0     | 1       | 1                  | 0     | 0       | 0                                      | 0     | 0       |
| Trachea and Other                   | 10                 | 7      | 3       | 7                  | 5     | 2       | 2                  | 1     | 1       | 0                                      | 0     | 0       |
| Bones and Joints                    | 38                 | 18     | 20      | 27                 | 12    | 15      | 11                 | 6     | 5       | 0                                      | 0     | 0       |
| Soft Tissue (Incl. heart)           | 169                | 89     | 80      | 114                | 65    | 49      | 52                 | 23    | 30      | 3                                      | 2     | 1       |
| Skin (Excl. basal and squamous)     | 737                | 449    | 289     | 713                | 436   | 277     | 21                 | 11    | 10      | 1                                      | 1     | 1       |
| Melanoma of the Skin                | 666                | 402    | 264     | 652                | 395   | 256     | 12                 | 5     | 6       | 1                                      | 1     | 0       |
| Other Non-Epithelial Skin           | 71                 | 46     | 25      | 61                 | 41    | 21      | 9                  | 5     | 4       | 0                                      | 0     | 0       |
| Breast                              | 3,089              | 27     | 3,063   | 2,162              | 19    | 2,144   | 902                | 8     | 894     | 23                                     | 0     | 23      |
| Female Genital System               | 1,029              | --     | 1,029   | 705                | --    | 705     | 310                | --    | 310     | 12                                     | --    | 12      |
| Cervix Uteri                        | 216                | --     | 216     | 128                | --    | 128     | 86                 | --    | 86      | 3                                      | --    | 3       |
| Corpus and Uterus, NOS              | 453                | --     | 453     | 312                | --    | 312     | 136                | --    | 136     | 5                                      | --    | 5       |
| Corpus Uteri                        | 436                | --     | 436     | 303                | --    | 303     | 128                | --    | 128     | 5                                      | --    | 5       |
| Uterus, NOS                         | 17                 | --     | 17      | 9                  | --    | 9       | 8                  | --    | 8       | 0                                      | --    | 0       |
| Ovary                               | 253                | --     | 253     | 183                | --    | 183     | 66                 | --    | 66      | 3                                      | --    | 3       |
| Vagina                              | 22                 | --     | 22      | 16                 | --    | 16      | 7                  | --    | 7       | 0                                      | --    | 0       |
| Vulva                               | 65                 | --     | 65      | 52                 | --    | 52      | 13                 | --    | 13      | 1                                      | --    | 1       |
| Other                               | 20                 | --     | 20      | 15                 | --    | 15      | 4                  | --    | 4       | 0                                      | --    | 0       |
| Male Genital System                 | 3,808              | 3,808  | --      | 2,554              | 2,554 | --      | 1,227              | 1,227 | --      | 19                                     | 19    | --      |
| Prostate                            | 3,694              | 3,694  | --      | 2,458              | 2,458 | --      | 1,210              | 1,210 | --      | 18                                     | 18    | --      |
| Testis                              | 89                 | 89     | --      | 79                 | 79    | --      | 9                  | 9     | --      | 1                                      | 1     | --      |
| Penis                               | 20                 | 20     | --      | 14                 | 14    | --      | 6                  | 6     | --      | 0                                      | 0     | --      |
| Other                               | 5                  | 5      | --      | 3                  | 3     | --      | 2                  | 2     | --      | 0                                      | 0     | --      |
| Urinary System                      | 1,892              | 1,276  | 616     | 1,487              | 1,030 | 456     | 395                | 239   | 156     | 8                                      | 6     | 2       |
| Urinary Bladder (Incl. In Situ)     | 880                | 670    | 210     | 736                | 570   | 166     | 138                | 95    | 43      | 5                                      | 4     | 1       |
| Kidney and Renal Pelvis             | 968                | 578    | 391     | 716                | 436   | 280     | 248                | 139   | 109     | 4                                      | 2     | 2       |
| Ureter                              | 30                 | 19     | 11      | 26                 | 17    | 9       | 4                  | 2     | 2       | 0                                      | 0     | 0       |
| Other                               | 14                 | 10     | 4       | 9                  | 7     | 2       | 6                  | 3     | 3       | 0                                      | 0     | 0       |
| Eye and Orbit                       | 30                 | 15     | 16      | 27                 | 13    | 14      | 3                  | 1     | 2       | 0                                      | 0     | 0       |
| Brain and Nervous System            | 260                | 140    | 120     | 203                | 111   | 92      | 55                 | 27    | 27      | 3                                      | 2     | 1       |
| Brain                               | 245                | 134    | 111     | 191                | 106   | 84      | 51                 | 26    | 25      | 3                                      | 2     | 1       |

|                                  |       |     |     |     |     |     |     |     |     |   |   |   |
|----------------------------------|-------|-----|-----|-----|-----|-----|-----|-----|-----|---|---|---|
| Cranial Nerves and Other NS      | 16    | 6   | 9   | 12  | 5   | 7   | 3   | 1   | 2   | 0 | 0 | 0 |
| Endocrine System                 | 531   | 141 | 390 | 416 | 116 | 300 | 107 | 22  | 85  | 7 | 2 | 5 |
| Thyroid                          | 497   | 121 | 376 | 393 | 103 | 290 | 96  | 16  | 80  | 6 | 2 | 5 |
| Thymus and Other Endocrine       | 35    | 20  | 15  | 23  | 13  | 10  | 11  | 6   | 5   | 0 | 0 | 0 |
| Lymphoma                         | 1,050 | 567 | 482 | 820 | 446 | 375 | 219 | 116 | 103 | 9 | 5 | 4 |
| Hodgkin Lymphoma                 | 134   | 72  | 62  | 91  | 49  | 41  | 40  | 21  | 19  | 3 | 2 | 2 |
| Non-Hodgkin lymphoma             | 915   | 495 | 420 | 730 | 397 | 333 | 178 | 95  | 84  | 6 | 3 | 3 |
| Myeloma                          | 297   | 164 | 133 | 161 | 93  | 68  | 133 | 69  | 64  | 2 | 1 | 1 |
| Leukemia                         | 560   | 317 | 244 | 434 | 251 | 183 | 121 | 63  | 58  | 4 | 3 | 2 |
| Lymphocytic Leukemia             | 243   | 145 | 99  | 198 | 117 | 81  | 43  | 26  | 17  | 1 | 1 | 0 |
| Acute Lymphocytic Leukemia       | 61    | 34  | 27  | 46  | 24  | 22  | 14  | 9   | 5   | 1 | 1 | 0 |
| Chronic Lymphocytic Leukemia     | 163   | 97  | 65  | 135 | 82  | 54  | 27  | 15  | 11  | 0 | 0 | 0 |
| Other Lymphocytic Leukemia       | 19    | 13  | 6   | 17  | 11  | 6   | 2   | 2   | 0   | 0 | 0 | 0 |
| Myeloid and Monocytic Leukemia   | 284   | 155 | 129 | 212 | 122 | 90  | 69  | 32  | 38  | 3 | 2 | 1 |
| Acute Myeloid Leukemia           | 173   | 90  | 82  | 128 | 70  | 57  | 43  | 19  | 24  | 2 | 1 | 1 |
| Acute Monocytic Leukemia         | 11    | 7   | 4   | 9   | 6   | 3   | 2   | 1   | 1   | 0 | 0 | 0 |
| Chronic Myeloid Leukemia         | 87    | 51  | 37  | 65  | 40  | 25  | 22  | 11  | 11  | 1 | 0 | 0 |
| Other Myeloid/Monocytic Leukemia | 13    | 7   | 5   | 10  | 6   | 4   | 3   | 1   | 1   | 0 | 0 | 0 |
| Other Leukemia                   | 33    | 17  | 16  | 24  | 12  | 12  | 9   | 5   | 4   | 0 | 0 | 0 |
| Other Acute Leukemia             | 13    | 7   | 7   | 9   | 4   | 5   | 4   | 3   | 2   | 0 | 0 | 0 |
| Aleukemic, Subleukemic and NOS   | 20    | 10  | 10  | 15  | 8   | 7   | 5   | 2   | 2   | 0 | 0 | 0 |
| Mesothelioma                     | 62    | 46  | 16  | 51  | 39  | 12  | 11  | 7   | 4   | 0 | 0 | 0 |
| Kaposi Sarcoma                   | 21    | 18  | 3   | 13  | 11  | 2   | 7   | 6   | 1   | 0 | 0 | 0 |
| Ill-Defined and Unknown Sites    | 523   | 280 | 243 | 369 | 200 | 169 | 149 | 77  | 72  | 5 | 3 | 2 |

*In Situ Cancers (not included above)*

|                |     |   |     |     |   |     |     |   |     |   |   |   |
|----------------|-----|---|-----|-----|---|-----|-----|---|-----|---|---|---|
| Breast In Situ | 633 | 4 | 629 | 449 | 2 | 447 | 179 | 2 | 177 | 5 | 0 | 5 |
|----------------|-----|---|-----|-----|---|-----|-----|---|-----|---|---|---|

<sup>1</sup>American Indians/Alaska Natives

<sup>2</sup>Asians and Pacific Islanders

<sup>3</sup>The total number for each cancer site may not have the same number as the sum of male and female due to the rounding

<sup>4</sup>Except for urinary bladder (in situ and invasive), only invasive cases are included.

-- Not applicable

**Table A2. Percent Distribution of Cancer Cases, 2007-2011, Louisiana**

| Primary Site                        | All Races |       |         | Whites |       |         | Blacks |       |         | AI/AN <sup>1</sup> & APis <sup>2</sup> |       |         |
|-------------------------------------|-----------|-------|---------|--------|-------|---------|--------|-------|---------|----------------------------------------|-------|---------|
|                                     | Total     | Males | Females | Total  | Males | Females | Total  | Males | Females | Total                                  | Males | Females |
| <i>Invasive Cancers<sup>3</sup></i> |           |       |         |        |       |         |        |       |         |                                        |       |         |
| All Sites Combined                  | 100.0     | 100.0 | 100.0   | 100.0  | 100.0 | 100.0   | 100.0  | 100.0 | 100.0   | 100.0                                  | 100.0 | 100.0   |
| Oral Cavity and Pharynx             | 2.7       | 3.5   | 1.6     | 2.8    | 3.7   | 1.6     | 2.3    | 3.0   | 1.5     | 3.3                                    | 3.7   | 2.7     |
| Lip                                 | 0.2       | 0.2   | 0.1     | 0.2    | 0.3   | 0.1     | 0.0    | 0.0   | 0.0     | 0.0                                    | 0.0   | 0.0     |
| Tongue                              | 0.7       | 1.0   | 0.5     | 0.8    | 1.1   | 0.5     | 0.5    | 0.7   | 0.4     | 0.6                                    | 0.4   | 0.7     |
| Salivary Gland                      | 0.2       | 0.3   | 0.2     | 0.3    | 0.3   | 0.2     | 0.2    | 0.2   | 0.2     | 0.2                                    | 0.2   | 0.2     |
| Floor of Mouth                      | 0.2       | 0.2   | 0.1     | 0.2    | 0.2   | 0.1     | 0.1    | 0.2   | 0.0     | 0.1                                    | 0.2   | 0.0     |
| Gum and Other Mouth                 | 0.4       | 0.4   | 0.3     | 0.4    | 0.4   | 0.3     | 0.4    | 0.4   | 0.4     | 0.4                                    | 0.7   | 0.2     |
| Nasopharynx                         | 0.1       | 0.2   | 0.1     | 0.1    | 0.1   | 0.1     | 0.2    | 0.3   | 0.0     | 1.2                                    | 1.3   | 1.1     |
| Tonsil                              | 0.5       | 0.7   | 0.2     | 0.5    | 0.8   | 0.2     | 0.4    | 0.5   | 0.2     | 0.4                                    | 0.7   | 0.2     |
| Oropharynx                          | 0.1       | 0.2   | 0.1     | 0.1    | 0.1   | 0.1     | 0.2    | 0.3   | 0.1     | 0.0                                    | 0.0   | 0.0     |
| Hypopharynx                         | 0.2       | 0.3   | 0.1     | 0.2    | 0.3   | 0.1     | 0.3    | 0.4   | 0.1     | 0.2                                    | 0.2   | 0.2     |
| Other                               | 0.1       | 0.1   | 0.0     | 0.1    | 0.1   | 0.0     | 0.0    | 0.1   | 0.0     | 0.0                                    | 0.0   | 0.0     |
| Digestive System                    | 19.1      | 19.6  | 18.6    | 18.0   | 18.7  | 17.1    | 21.9   | 21.8  | 22.1    | 27.2                                   | 30.2  | 24.0    |
| Esophagus                           | 1.1       | 1.5   | 0.5     | 1.1    | 1.6   | 0.4     | 1.0    | 1.3   | 0.6     | 1.0                                    | 2.0   | 0.0     |
| Stomach                             | 1.6       | 1.8   | 1.4     | 1.2    | 1.4   | 1.0     | 2.6    | 2.7   | 2.4     | 3.7                                    | 3.3   | 4.1     |
| Small Intestine                     | 0.5       | 0.5   | 0.6     | 0.5    | 0.5   | 0.5     | 0.7    | 0.7   | 0.8     | 0.7                                    | 0.9   | 0.5     |
| Colon and Rectum                    | 10.4      | 10.1  | 10.8    | 9.9    | 9.8   | 10.1    | 11.7   | 10.9  | 12.6    | 10.3                                   | 10.8  | 9.8     |
| Colon                               | 7.4       | 6.9   | 8.0     | 7.0    | 6.6   | 7.5     | 8.4    | 7.6   | 9.4     | 7.2                                    | 7.0   | 7.3     |
| Rectum and Rectosigmoid Junction    | 3.0       | 3.2   | 2.8     | 2.9    | 3.2   | 2.6     | 3.3    | 3.3   | 3.2     | 3.1                                    | 3.7   | 2.5     |
| Anus, Anal Canal and Anorectum      | 0.4       | 0.3   | 0.5     | 0.4    | 0.3   | 0.5     | 0.3    | 0.3   | 0.3     | 0.1                                    | 0.0   | 0.2     |
| Liver and Intrahepatic Bile Duct    | 1.6       | 2.2   | 0.9     | 1.4    | 1.9   | 0.8     | 2.1    | 2.9   | 1.1     | 6.5                                    | 9.7   | 3.2     |
| Liver                               | 1.5       | 2.1   | 0.8     | 1.3    | 1.8   | 0.7     | 2.0    | 2.8   | 1.0     | 6.2                                    | 9.3   | 3.0     |
| Intrahepatic Bile Duct              | 0.1       | 0.1   | 0.1     | 0.1    | 0.1   | 0.1     | 0.1    | 0.1   | 0.1     | 0.3                                    | 0.4   | 0.2     |
| Gallbladder                         | 0.2       | 0.1   | 0.3     | 0.2    | 0.1   | 0.3     | 0.3    | 0.2   | 0.5     | 0.2                                    | 0.2   | 0.2     |
| Other Biliary Tract                 | 0.3       | 0.3   | 0.3     | 0.4    | 0.4   | 0.3     | 0.3    | 0.2   | 0.3     | 0.8                                    | 0.7   | 0.9     |
| Pancreas                            | 2.7       | 2.4   | 3.0     | 2.6    | 2.5   | 2.9     | 2.8    | 2.4   | 3.2     | 3.6                                    | 2.2   | 5.0     |
| Retroperitoneum                     | 0.1       | 0.1   | 0.1     | 0.1    | 0.1   | 0.1     | 0.1    | 0.0   | 0.1     | 0.1                                    | 0.2   | 0.0     |
| Peritoneum, Omentum, Mesentery      | 0.1       | 0.0   | 0.2     | 0.1    | 0.0   | 0.2     | 0.0    | 0.0   | 0.1     | 0.0                                    | 0.0   | 0.0     |
| Other                               | 0.1       | 0.1   | 0.1     | 0.1    | 0.1   | 0.1     | 0.1    | 0.1   | 0.1     | 0.1                                    | 0.2   | 0.0     |
| Respiratory System                  | 16.5      | 17.9  | 14.8    | 16.6   | 17.5  | 15.6    | 16.2   | 18.8  | 13.1    | 15.0                                   | 18.7  | 11.2    |
| Nose, Nasal Cavity and Middle Ear   | 0.2       | 0.2   | 0.1     | 0.2    | 0.2   | 0.1     | 0.1    | 0.2   | 0.1     | 0.2                                    | 0.4   | 0.0     |
| Larynx                              | 1.1       | 1.7   | 0.5     | 1.1    | 1.5   | 0.5     | 1.4    | 2.0   | 0.6     | 0.3                                    | 0.7   | 0.0     |
| Lung and Bronchus                   | 15.1      | 16.0  | 14.1    | 15.3   | 15.7  | 14.9    | 14.7   | 16.6  | 12.4    | 14.3                                   | 17.2  | 11.2    |
| Pleura                              | 0.0       | 0.0   | 0.0     | 0.0    | 0.0   | 0.0     | 0.0    | 0.0   | 0.0     | 0.0                                    | 0.0   | 0.0     |
| Trachea and Other                   | 0.0       | 0.1   | 0.0     | 0.0    | 0.1   | 0.0     | 0.0    | 0.0   | 0.0     | 0.2                                    | 0.4   | 0.0     |
| Bones and Joints                    | 0.2       | 0.1   | 0.2     | 0.2    | 0.1   | 0.2     | 0.2    | 0.2   | 0.2     | 0.2                                    | 0.4   | 0.0     |
| Soft Tissue (Incl. heart)           | 0.7       | 0.7   | 0.8     | 0.7    | 0.7   | 0.7     | 0.8    | 0.7   | 1.0     | 1.7                                    | 1.8   | 1.6     |
| Skin (Excl. basal and squamous)     | 3.2       | 3.6   | 2.8     | 4.4    | 4.9   | 3.7     | 0.3    | 0.3   | 0.4     | 0.8                                    | 0.9   | 0.7     |
| Melanoma of the Skin                | 2.9       | 3.2   | 2.5     | 4.0    | 4.4   | 3.5     | 0.2    | 0.2   | 0.2     | 0.6                                    | 0.7   | 0.5     |
| Other Non-Epithelial Skin           | 0.3       | 0.4   | 0.2     | 0.4    | 0.5   | 0.3     | 0.1    | 0.2   | 0.1     | 0.2                                    | 0.2   | 0.2     |
| Breast                              | 13.5      | 0.2   | 29.5    | 13.2   | 0.2   | 29.0    | 14.4   | 0.2   | 31.0    | 13.1                                   | 0.0   | 26.8    |
| Female Genital System               | 4.5       | --    | 9.9     | 4.3    | --    | 9.5     | 5.0    | --    | 10.8    | 6.5                                    | --    | 13.3    |
| Cervix Uteri                        | 0.9       | --    | 2.1     | 0.8    | --    | 1.7     | 1.4    | --    | 3.0     | 1.6                                    | --    | 3.2     |
| Corpus and Uterus, NOS              | 2.0       | --    | 4.4     | 1.9    | --    | 4.2     | 2.2    | --    | 4.7     | 2.7                                    | --    | 5.5     |
| Corpus Uteri                        | 1.9       | --    | 4.2     | 1.8    | --    | 4.1     | 2.0    | --    | 4.4     | 2.6                                    | --    | 5.3     |
| Uterus, NOS                         | 0.1       | --    | 0.2     | 0.1    | --    | 0.1     | 0.1    | --    | 0.3     | 0.1                                    | --    | 0.2     |
| Ovary                               | 1.1       | --    | 2.4     | 1.1    | --    | 2.5     | 1.0    | --    | 2.3     | 1.8                                    | --    | 3.7     |
| Vagina                              | 0.1       | --    | 0.2     | 0.1    | --    | 0.2     | 0.1    | --    | 0.2     | 0.0                                    | --    | 0.0     |
| Vulva                               | 0.3       | --    | 0.6     | 0.3    | --    | 0.7     | 0.2    | --    | 0.4     | 0.3                                    | --    | 0.7     |
| Other                               | 0.1       | --    | 0.2     | 0.1    | --    | 0.2     | 0.1    | --    | 0.2     | 0.1                                    | --    | 0.2     |
| Male Genital System                 | 16.7      | 30.6  | --      | 15.6   | 28.4  | --      | 19.6   | 36.3  | --      | 10.4                                   | 20.5  | --      |
| Prostate                            | 16.2      | 29.6  | --      | 15.0   | 27.4  | --      | 19.3   | 35.8  | --      | 10.0                                   | 19.6  | --      |
| Testis                              | 0.4       | 0.7   | --      | 0.5    | 0.9   | --      | 0.1    | 0.3   | --      | 0.3                                    | 0.7   | --      |
| Penis                               | 0.1       | 0.2   | --      | 0.1    | 0.2   | --      | 0.1    | 0.2   | --      | 0.1                                    | 0.2   | --      |
| Other                               | 0.0       | 0.0   | --      | 0.0    | 0.0   | --      | 0.0    | 0.1   | --      | 0.0                                    | 0.0   | --      |
| Urinary System                      | 8.3       | 10.2  | 5.9     | 9.1    | 11.5  | 6.2     | 6.3    | 7.1   | 5.4     | 4.7                                    | 6.6   | 2.7     |
| Urinary Bladder (Incl. In Situ)     | 3.9       | 5.4   | 2.0     | 4.5    | 6.3   | 2.2     | 2.2    | 2.8   | 1.5     | 2.7                                    | 4.4   | 0.9     |
| Kidney and Renal Pelvis             | 4.2       | 4.6   | 3.8     | 4.4    | 4.9   | 3.8     | 4.0    | 4.1   | 3.8     | 2.0                                    | 2.2   | 1.8     |
| Ureter                              | 0.1       | 0.2   | 0.1     | 0.2    | 0.2   | 0.1     | 0.1    | 0.1   | 0.1     | 0.0                                    | 0.0   | 0.0     |
| Other                               | 0.1       | 0.1   | 0.0     | 0.1    | 0.1   | 0.0     | 0.1    | 0.1   | 0.1     | 0.0                                    | 0.0   | 0.0     |
| Eye and Orbit                       | 0.1       | 0.1   | 0.2     | 0.2    | 0.1   | 0.2     | 0.1    | 0.0   | 0.1     | 0.0                                    | 0.0   | 0.0     |
| Brain and Nervous System            | 1.1       | 1.1   | 1.2     | 1.2    | 1.2   | 1.2     | 0.9    | 0.8   | 0.9     | 1.6                                    | 2.0   | 1.1     |
| Brain                               | 1.1       | 1.1   | 1.1     | 1.2    | 1.2   | 1.1     | 0.8    | 0.8   | 0.9     | 1.5                                    | 1.8   | 1.1     |
| Cranial Nerves and Other NS         | 0.1       | 0.1   | 0.1     | 0.1    | 0.1   | 0.1     | 0.1    | 0.0   | 0.1     | 0.1                                    | 0.2   | 0.0     |

|                                  |     |     |     |     |     |     |     |     |     |     |     |     |
|----------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Endocrine System                 | 2.3 | 1.1 | 3.8 | 2.5 | 1.3 | 4.1 | 1.7 | 0.7 | 3.0 | 3.8 | 2.2 | 5.5 |
| Thyroid                          | 2.2 | 1.0 | 3.6 | 2.4 | 1.1 | 3.9 | 1.5 | 0.5 | 2.8 | 3.6 | 1.8 | 5.5 |
| Thymus and Other Endocrine       | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 | 0.2 | 0.2 | 0.2 | 0.2 | 0.4 | 0.0 |
| Lymphoma                         | 4.6 | 4.6 | 4.6 | 5.0 | 5.0 | 5.1 | 3.5 | 3.4 | 3.6 | 5.3 | 5.5 | 5.0 |
| Hodgkin Lymphoma                 | 0.6 | 0.6 | 0.6 | 0.6 | 0.5 | 0.6 | 0.6 | 0.6 | 0.7 | 1.8 | 1.8 | 1.8 |
| Non-Hodgkin lymphoma             | 4.0 | 4.0 | 4.0 | 4.5 | 4.4 | 4.5 | 2.9 | 2.8 | 2.9 | 3.5 | 3.7 | 3.2 |
| Myeloma                          | 1.3 | 1.3 | 1.3 | 1.0 | 1.0 | 0.9 | 2.1 | 2.0 | 2.2 | 1.2 | 1.5 | 0.9 |
| Leukemia                         | 2.5 | 2.5 | 2.3 | 2.7 | 2.8 | 2.5 | 1.9 | 1.9 | 2.0 | 2.5 | 2.9 | 2.1 |
| Lymphocytic Leukemia             | 1.1 | 1.2 | 1.0 | 1.2 | 1.3 | 1.1 | 0.7 | 0.8 | 0.6 | 0.8 | 1.1 | 0.5 |
| Acute Lymphocytic Leukemia       | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.2 | 0.3 | 0.2 | 0.7 | 1.1 | 0.2 |
| Chronic Lymphocytic Leukemia     | 0.7 | 0.8 | 0.6 | 0.8 | 0.9 | 0.7 | 0.4 | 0.4 | 0.4 | 0.1 | 0.0 | 0.2 |
| Other Lymphocytic Leukemia       | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| Myeloid and Monocytic Leukemia   | 1.2 | 1.2 | 1.2 | 1.3 | 1.4 | 1.2 | 1.1 | 0.9 | 1.3 | 1.6 | 1.8 | 1.4 |
| Acute Myeloid Leukemia           | 0.8 | 0.7 | 0.8 | 0.8 | 0.8 | 0.8 | 0.7 | 0.6 | 0.8 | 1.2 | 1.3 | 1.1 |
| Acute Monocytic Leukemia         | 0.0 | 0.1 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Chronic Myeloid Leukemia         | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.3 | 0.3 | 0.3 | 0.4 | 0.3 | 0.4 | 0.2 |
| Other Myeloid/Monocytic Leukemia | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Other Leukemia                   | 0.1 | 0.1 | 0.2 | 0.1 | 0.1 | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 | 0.2 |
| Other Acute Leukemia             | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 | 0.2 |
| Aleukemic, Subleukemic and NOS   | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 |
| Mesothelioma                     | 0.3 | 0.4 | 0.2 | 0.3 | 0.4 | 0.2 | 0.2 | 0.2 | 0.1 | 0.0 | 0.0 | 0.0 |
| Kaposi Sarcoma                   | 0.1 | 0.1 | 0.0 | 0.1 | 0.1 | 0.0 | 0.1 | 0.2 | 0.0 | 0.1 | 0.2 | 0.0 |
| Ill-Defined and Unknown Sites    | 2.3 | 2.2 | 2.3 | 2.3 | 2.2 | 2.3 | 2.4 | 2.3 | 2.5 | 2.6 | 2.9 | 2.3 |

<sup>1</sup>American Indians/Alaska Natives

<sup>2</sup>Asians and Pacific Islanders

<sup>3</sup>Except for urinary bladder (in situ and invasivw), only invasive cases are included.

-- Not applicable

**Table B. Average Annual Cancer Incidence Rates,<sup>1</sup> 2007-2011, Louisiana**

| Primary Site                        | All Races |       |         | Whites |       |         | Blacks |       |         |
|-------------------------------------|-----------|-------|---------|--------|-------|---------|--------|-------|---------|
|                                     | Total     | Males | Females | Total  | Males | Females | Total  | Males | Females |
| <i>Invasive Cancers<sup>2</sup></i> |           |       |         |        |       |         |        |       |         |
| All Sites Combined                  | 487.3     | 591.3 | 410.0   | 484.1  | 578.1 | 413.1   | 511.3  | 652.1 | 415.4   |
| Oral Cavity and Pharynx             | 12.6      | 19.7  | 6.5     | 13.2   | 20.6  | 6.5     | 11.1   | 17.7  | 6.1     |
| Lip                                 | 0.7       | 1.5   | 0.2     | 1.0    | 1.9   | 0.2     | ^      | ^     | ^       |
| Tongue                              | 3.5       | 5.4   | 1.9     | 3.9    | 6.0   | 2.0     | 2.6    | 4.0   | 1.5     |
| Salivary Gland                      | 1.2       | 1.7   | 0.8     | 1.3    | 1.9   | 0.8     | 1.0    | 1.1   | 1.0     |
| Floor of Mouth                      | 0.7       | 1.1   | 0.4     | 0.8    | 1.2   | 0.5     | 0.6    | 1.1   | ^       |
| Gum and Other Mouth                 | 1.8       | 2.3   | 1.4     | 1.8    | 2.3   | 1.4     | 1.8    | 2.2   | 1.5     |
| Nasopharynx                         | 0.7       | 1.1   | 0.3     | 0.5    | 0.8   | 0.2     | 0.9    | 1.9   | ^       |
| Tonsil                              | 2.1       | 3.6   | 0.7     | 2.4    | 4.0   | 0.8     | 1.7    | 2.9   | 0.7     |
| Oropharynx                          | 0.6       | 1.0   | 0.2     | 0.5    | 0.7   | 0.2     | 0.9    | 1.8   | ^       |
| Hypopharynx                         | 0.9       | 1.6   | 0.3     | 0.8    | 1.3   | 0.3     | 1.3    | 2.4   | 0.5     |
| Other                               | 0.3       | 0.4   | 0.1     | 0.3    | 0.4   | ^       | ^      | ^     | ^       |
| Digestive System                    | 93.4      | 116.3 | 75.0    | 86.5   | 108.5 | 68.2    | 114.3  | 143.1 | 93.7    |
| Esophagus                           | 5.0       | 8.9   | 2.0     | 5.1    | 9.1   | 1.7     | 5.1    | 8.4   | 2.7     |
| Stomach                             | 8.1       | 11.0  | 5.8     | 6.0    | 8.6   | 3.9     | 14.1   | 19.0  | 10.6    |
| Small Intestine                     | 2.7       | 3.1   | 2.3     | 2.2    | 2.7   | 1.9     | 3.9    | 4.6   | 3.4     |
| Colon and Rectum                    | 51.0      | 60.8  | 43.5    | 48.0   | 57.6  | 40.2    | 61.0   | 73.3  | 52.8    |
| Colon                               | 36.6      | 42.3  | 32.3    | 34.0   | 39.6  | 29.6    | 44.7   | 52.0  | 39.9    |
| Rectum and Rectosigmoid Junction    | 14.4      | 18.5  | 11.2    | 14.0   | 18.0  | 10.6    | 16.3   | 21.3  | 12.9    |
| Anus, Anal Canal and Anorectum      | 1.8       | 1.6   | 1.9     | 1.9    | 1.6   | 2.2     | 1.5    | 1.5   | 1.4     |
| Liver and Intrahepatic Bile Duct    | 7.6       | 12.4  | 3.6     | 6.7    | 10.8  | 3.2     | 9.5    | 16.0  | 4.4     |
| Liver                               | 7.1       | 11.8  | 3.2     | 6.2    | 10.2  | 2.8     | 9.2    | 15.5  | 4.1     |
| Intrahepatic Bile Duct              | 0.5       | 0.6   | 0.4     | 0.5    | 0.6   | 0.4     | 0.4    | ^     | ^       |
| Gallbladder                         | 1.1       | 0.9   | 1.3     | 0.9    | 0.7   | 1.0     | 1.8    | 1.5   | 2.0     |
| Other Biliary Tract                 | 1.7       | 2.2   | 1.3     | 1.7    | 2.3   | 1.3     | 1.5    | 1.7   | 1.3     |
| Pancreas                            | 13.3      | 14.7  | 12.0    | 12.8   | 14.4  | 11.3    | 15.1   | 16.0  | 14.2    |
| Retroperitoneum                     | 0.4       | 0.4   | 0.4     | 0.4    | 0.4   | 0.4     | 0.3    | ^     | ^       |
| Peritoneum, Omentum, Mesentery      | 0.5       | ^     | 0.8     | 0.5    | ^     | 0.9     | ^      | ^     | ^       |
| Other                               | 0.3       | 0.4   | 0.3     | 0.3    | 0.4   | 0.3     | 0.4    | 0.6   | ^       |
| Respiratory System                  | 80.5      | 107.7 | 59.7    | 79.6   | 102.3 | 61.9    | 84.9   | 127.3 | 55.4    |
| Nose, Nasal Cavity and Middle Ear   | 0.7       | 1.1   | 0.5     | 0.8    | 1.1   | 0.5     | 0.7    | 1.0   | 0.5     |
| Larynx                              | 5.4       | 9.4   | 2.1     | 5.1    | 8.6   | 2.1     | 6.5    | 12.2  | 2.2     |
| Lung and Bronchus                   | 74.2      | 96.9  | 57.0    | 73.6   | 92.3  | 59.1    | 77.6   | 113.8 | 52.7    |
| Pleura                              | ^         | ^     | ^       | ^      | ^     | ^       | ^      | ^     | ^       |
| Trachea and Other                   | 0.2       | 0.3   | ^       | 0.2    | 0.3   | ^       | ^      | ^     | ^       |
| Bones and Joints                    | 0.9       | 0.9   | 0.9     | 0.9    | 0.8   | 1.0     | 0.8    | 0.8   | 0.7     |
| Soft Tissue (Incl. heart)           | 3.7       | 4.2   | 3.3     | 3.5    | 4.3   | 2.9     | 4.0    | 3.8   | 4.1     |
| Skin (Excl. basal and squamous)     | 16.1      | 22.1  | 11.9    | 21.9   | 28.9  | 16.8    | 1.8    | 2.0   | 1.5     |
| Melanoma of the Skin                | 14.5      | 19.7  | 10.9    | 20.0   | 26.1  | 15.6    | 1.0    | 1.1   | 1.0     |
| Other Non-Epithelial Skin           | 1.6       | 2.4   | 1.0     | 1.9    | 2.8   | 1.2     | 0.8    | 1.0   | 0.6     |
| Breast                              | 66.0      | 1.3   | 121.3   | 64.4   | 1.2   | 120.3   | 72.1   | 1.6   | 126.6   |
| Female Genital System               | 22.1      | --    | 41.1    | 21.2   | --    | 40.3    | 25.4   | --    | 44.6    |
| Cervix Uteri                        | 4.9       | --    | 9.4     | 4.3    | --    | 8.5     | 6.8    | --    | 12.2    |
| Corpus and Uterus, NOS              | 9.4       | --    | 17.5    | 9.0    | --    | 17.1    | 11.0   | --    | 19.4    |
| Corpus Uteri                        | 9.1       | --    | 16.9    | 8.8    | --    | 16.6    | 10.3   | --    | 18.2    |
| Uterus, NOS                         | 0.4       | --    | 0.7     | 0.3    | --    | 0.5     | 0.7    | --    | 1.2     |
| Ovary                               | 5.4       | --    | 9.9     | 5.4    | --    | 10.1    | 5.6    | --    | 9.6     |
| Vagina                              | 0.5       | --    | 0.8     | 0.5    | --    | 0.8     | 0.6    | --    | 1.0     |
| Vulva                               | 1.4       | --    | 2.6     | 1.6    | --    | 2.9     | 1.0    | --    | 1.8     |
| Other                               | 0.4       | --    | 0.8     | 0.4    | --    | 0.8     | 0.3    | --    | 0.6     |
| Male Genital System                 | 78.4      | 174.3 | --      | 72.7   | 158.2 | --      | 98.3   | 233.8 | --      |

|                                             |      |       |      |      |       |      |      |       |      |
|---------------------------------------------|------|-------|------|------|-------|------|------|-------|------|
| Prostate                                    | 75.8 | 168.9 | --   | 69.3 | 151.5 | --   | 96.9 | 230.7 | --   |
| Testis                                      | 2.1  | 4.2   | --   | 2.8  | 5.6   | --   | 0.7  | 1.5   | --   |
| Penis                                       | 0.4  | 1.0   | --   | 0.4  | 0.9   | --   | 0.5  | 1.2   | --   |
| Other                                       | 0.1  | 0.2   | --   | ^    | ^     | --   | ^    | ^     | --   |
| Urinary System                              | 40.7 | 62.5  | 24.0 | 43.7 | 67.5  | 24.8 | 33.6 | 48.7  | 23.1 |
| Urinary Bladder (Incl. In Situ)             | 19.2 | 34.3  | 8.1  | 21.7 | 38.4  | 8.8  | 12.5 | 21.6  | 6.6  |
| Kidney and Renal Pelvis                     | 20.5 | 26.6  | 15.3 | 21.0 | 27.4  | 15.4 | 20.2 | 26.0  | 15.8 |
| Ureter                                      | 0.7  | 1.0   | 0.4  | 0.8  | 1.2   | 0.4  | 0.3  | ^     | ^    |
| Other                                       | 0.3  | 0.5   | 0.2  | 0.3  | 0.5   | ^    | 0.5  | ^     | ^    |
| Eye and Orbit                               | 0.7  | 0.7   | 0.6  | 0.8  | 0.9   | 0.8  | 0.2  | ^     | ^    |
| Brain and Nervous System                    | 5.7  | 6.5   | 4.9  | 6.4  | 7.4   | 5.6  | 4.0  | 4.4   | 3.7  |
| Brain                                       | 5.3  | 6.2   | 4.5  | 6.0  | 7.0   | 5.1  | 3.8  | 4.3   | 3.4  |
| Cranial Nerves and Other NS                 | 0.3  | 0.3   | 0.4  | 0.4  | 0.4   | 0.5  | 0.2  | ^     | ^    |
| Endocrine System                            | 11.6 | 6.5   | 16.4 | 13.3 | 7.5   | 19.0 | 8.0  | 3.7   | 11.6 |
| Thyroid                                     | 10.8 | 5.6   | 15.8 | 12.5 | 6.7   | 18.4 | 7.2  | 2.7   | 10.9 |
| Thymus and Other Endocrine                  | 0.8  | 0.9   | 0.6  | 0.7  | 0.9   | 0.6  | 0.8  | 1.0   | 0.7  |
| Lymphoma                                    | 23.0 | 27.6  | 19.3 | 24.9 | 29.8  | 20.9 | 17.1 | 20.3  | 14.6 |
| Hodgkin Lymphoma                            | 3.0  | 3.3   | 2.7  | 3.0  | 3.4   | 2.7  | 2.8  | 3.2   | 2.5  |
| Non-Hodgkin lymphoma                        | 20.0 | 24.3  | 16.6 | 21.9 | 26.4  | 18.2 | 14.4 | 17.1  | 12.2 |
| Myeloma                                     | 6.4  | 8.2   | 5.2  | 4.8  | 6.3   | 3.7  | 11.5 | 14.5  | 9.5  |
| Leukemia                                    | 12.4 | 15.8  | 9.8  | 13.4 | 17.1  | 10.5 | 10.0 | 11.9  | 8.6  |
| Lymphocytic Leukemia                        | 5.3  | 7.0   | 4.0  | 6.2  | 7.9   | 4.8  | 3.5  | 4.8   | 2.5  |
| Acute Lymphocytic Leukemia                  | 1.4  | 1.6   | 1.2  | 1.7  | 1.8   | 1.6  | 0.9  | 1.2   | 0.7  |
| Chronic Lymphocytic Leukemia                | 3.5  | 4.8   | 2.6  | 4.0  | 5.4   | 2.9  | 2.3  | 3.0   | 1.8  |
| Other Lymphocytic Leukemia                  | 0.4  | 0.7   | 0.2  | 0.5  | 0.8   | 0.3  | ^    | ^     | ^    |
| Myeloid and Monocytic Leukemia              | 6.3  | 7.8   | 5.2  | 6.5  | 8.4   | 5.1  | 5.7  | 6.0   | 5.4  |
| Acute Myeloid Leukemia                      | 3.8  | 4.6   | 3.3  | 3.9  | 4.9   | 3.3  | 3.5  | 3.5   | 3.5  |
| Acute Monocytic Leukemia                    | 0.3  | 0.4   | 0.2  | 0.3  | 0.4   | 0.2  | ^    | ^     | ^    |
| Chronic Myeloid Leukemia                    | 1.9  | 2.5   | 1.4  | 2.0  | 2.7   | 1.4  | 1.7  | 2.0   | 1.6  |
| Other Myeloid/Monocytic Leukemia            | 0.3  | 0.4   | 0.2  | 0.3  | 0.4   | 0.2  | ^    | ^     | ^    |
| Other Leukemia                              | 0.8  | 0.9   | 0.6  | 0.7  | 0.9   | 0.6  | 0.8  | 1.1   | 0.6  |
| Other Acute Leukemia                        | 0.3  | 0.4   | 0.3  | 0.3  | 0.3   | 0.2  | 0.4  | ^     | ^    |
| Aleukemic, Subleukemic and NOS              | 0.5  | 0.6   | 0.4  | 0.5  | 0.6   | 0.4  | 0.4  | ^     | ^    |
| Mesothelioma                                | 1.4  | 2.4   | 0.6  | 1.5  | 2.7   | 0.6  | 1.0  | 1.7   | 0.5  |
| Kaposi Sarcoma                              | 0.5  | 0.9   | ^    | 0.5  | 0.8   | ^    | 0.6  | 1.1   | ^    |
| Ill-Defined and Unknown Sites               | 11.4 | 13.7  | 9.5  | 10.9 | 13.2  | 9.0  | 12.8 | 15.4  | 10.7 |
| <i>In Situ Cancers (not included above)</i> |      |       |      |      |       |      |      |       |      |
| Breast In Situ                              | 13.3 | 0.2   | 24.7 | 13.2 | ^     | 25.1 | 14.2 | ^     | 24.9 |

<sup>1</sup>Rates per 100,000 person-years, age adjusted to the U.S. 2000 standard.

<sup>2</sup>Except for urinary bladder (in situ and invasive), only invasive cases are included.

^ Rates are not calculated if fewer than 16 cases were diagnosed during these five years.

-- Not applicable



**Table C. Average Annual Cancer Incidence Rates,<sup>1</sup> 2007-2011: U.S., Louisiana, and Industrial Corridor<sup>2</sup>**

| Primary Site                  | White Males       |       |   |            |   | White Females     |       |   |            |   | Black Males       |       |   |            |   | Black Females     |       |   |            |  |
|-------------------------------|-------------------|-------|---|------------|---|-------------------|-------|---|------------|---|-------------------|-------|---|------------|---|-------------------|-------|---|------------|--|
| Invasive cancers <sup>3</sup> | U.S. <sup>4</sup> | LA    |   | Ind. Corr. |   | U.S. <sup>4</sup> | LA    |   | Ind. Corr. |   | U.S. <sup>4</sup> | LA    |   | Ind. Corr. |   | U.S. <sup>4</sup> | LA    |   | Ind. Corr. |  |
| All Sites Combined            | 532.1             | 578.1 | ↑ | 595.3      | # | 424.4             | 413.1 | ↓ | 397.6      | * | 600.9             | 652.1 | ↑ | 675.2      |   | 398.8             | 415.4 | ↑ | 418.6      |  |
| Oral Cavity and Pharynx       | 17.0              | 20.6  | ↑ | 20.3       |   | 6.4               | 6.5   |   | 6.6        |   | 14.7              | 17.7  | ↑ | 18.1       |   | 5.3               | 6.1   |   | 5.7        |  |
| Esophagus                     | 8.0               | 9.1   | ↑ | 9.0        |   | 1.7               | 1.7   |   | 1.4        |   | 7.9               | 8.4   |   | 6.6        |   | 2.6               | 2.7   |   | 2.7        |  |
| Stomach                       | 9.2               | 8.6   |   | 7.1        |   | 4.5               | 3.9   | ↓ | 2.8        |   | 15.3              | 19.0  | ↑ | 21.1       |   | 8.5               | 10.6  | ↑ | 9.6        |  |
| Colon                         | 34.3              | 39.6  | ↑ | 36.5       |   | 27.5              | 29.6  | ↑ | 29.3       |   | 45.4              | 52.0  | ↑ | 49.4       |   | 36.4              | 39.9  | ↑ | 42.0       |  |
| Rectum                        | 15.4              | 18.0  | ↑ | 15.9       |   | 9.7               | 10.6  | ↑ | 9.1        |   | 16.9              | 21.3  | ↑ | 17.9       |   | 11.1              | 12.9  | ↑ | 12.8       |  |
| Liver and Bile Duct           | 10.8              | 10.8  |   | 7.3        | * | 3.6               | 3.2   |   | 3.3        |   | 15.6              | 16.0  |   | 17.2       |   | 4.6               | 4.4   |   | 4.6        |  |
| Pancreas                      | 14.0              | 14.4  |   | 15.0       |   | 10.7              | 11.3  |   | 10.1       |   | 17.2              | 16.0  |   | 15.2       |   | 14.2              | 14.2  |   | 17.8       |  |
| Larynx                        | 5.9               | 8.6   | ↑ | 9.3        |   | 1.3               | 2.1   | ↑ | 1.8        |   | 9.0               | 12.2  | ↑ | 12.8       |   | 1.7               | 2.2   |   | 2.3        |  |
| Lung and Bronchus             | 72.4              | 92.3  | ↑ | 78.8       | * | 53.8              | 59.1  | ↑ | 52.7       | * | 93.0              | 113.8 | ↑ | 104.0      |   | 51.2              | 52.7  |   | 48.3       |  |
| Melanoma of the Skin          | 32.3              | 26.1  | ↓ | 35.2       | # | 20.0              | 15.6  | ↓ | 17.8       |   | 1.0               | 1.1   |   | ^          |   | 1.0               | 1.0   |   | ^          |  |
| Breast                        | 1.2               | 1.2   |   | ^          |   | 128.0             | 120.3 | ↓ | 120.3      |   | 1.8               | 1.6   |   | ^          |   | 122.8             | 126.6 |   | 133.8      |  |
| Cervix                        | --                | --    |   | --         |   | 7.8               | 8.5   | ↑ | 7.8        |   | --                | --    |   | --         |   | 9.4               | 12.2  | ↑ | 10.1       |  |
| Uterus                        | --                | --    |   | --         |   | 25.4              | 17.1  | ↓ | 15.0       |   | --                | --    |   | --         |   | 23.2              | 19.4  | ↓ | 19.0       |  |
| Ovary                         | --                | --    |   | --         |   | 13.0              | 10.1  | ↓ | 10.5       |   | --                | --    |   | --         |   | 9.8               | 9.6   |   | 9.2        |  |
| Prostate                      | 139.8             | 151.5 | ↑ | 190.4      | # | --                | --    |   | --         |   | 223.9             | 230.7 | ↑ | 261.2      | # | --                | --    |   | --         |  |
| Testis                        | 6.6               | 5.6   | ↓ | 6.2        |   | --                | --    |   | --         |   | 1.4               | 1.5   |   | ^          |   | --                | --    |   | --         |  |
| Urinary Bladder               | 39.4              | 38.4  |   | 42.5       |   | 9.5               | 8.8   |   | 10.2       |   | 21.3              | 21.6  |   | 20.8       |   | 6.9               | 6.6   |   | 8.0        |  |
| Kidney and Renal Pelvis       | 21.7              | 27.4  | ↑ | 26.0       |   | 11.0              | 15.4  | ↑ | 14.8       |   | 24.7              | 26.0  |   | 22.7       |   | 12.7              | 15.8  | ↑ | 15.6       |  |
| Brain & Other Nervous System  | 8.4               | 7.4   | ↓ | 7.6        |   | 6.0               | 5.6   |   | 5.5        |   | 4.7               | 4.4   |   | 4.1        |   | 3.6               | 3.7   |   | 3.5        |  |
| Thyroid                       | 6.9               | 6.7   |   | 5.2        |   | 20.4              | 18.4  | ↓ | 14.5       | * | 3.3               | 2.7   |   | 2.9        |   | 11.3              | 10.9  |   | 8.8        |  |
| Hodgkin Lymphoma              | 3.3               | 3.4   |   | 3.3        |   | 2.6               | 2.7   |   | 2.9        |   | 3.1               | 3.2   |   | 3.1        |   | 2.3               | 2.5   |   | 2.3        |  |
| Non-Hodgkin Lymphoma          | 24.9              | 26.4  | ↑ | 23.3       |   | 17.2              | 18.2  | ↑ | 17.9       |   | 17.4              | 17.1  |   | 21.9       | # | 11.9              | 12.2  |   | 11.1       |  |
| Myeloma                       | 7.2               | 6.3   | ↓ | 5.2        |   | 4.3               | 3.7   | ↓ | 3.2        |   | 14.8              | 14.5  |   | 15.2       |   | 10.5              | 9.5   |   | 11.9       |  |
| Leukemia                      | 17.5              | 17.1  |   | 13.7       | * | 10.7              | 10.5  |   | 11.2       |   | 12.9              | 11.9  |   | 10.6       |   | 8.0               | 8.6   |   | 8.0        |  |

<sup>1</sup>Rates per 100,000 person-years, age adjusted to the U.S. 2000 standard

<sup>2</sup>The Industrial Corridor comprises Ascension, East Baton Rouge, Iberville, St. Charles, St. James, St. John the Baptist, and West Baton Rouge parishes.

<sup>3</sup>Except for urinary bladder (in situ and invasivw), only invasive cases are included.

<sup>4</sup>U.S. incidence rate estimates are from the Surveillance, Epidemiology and end Results (SEER) Program of the National Cancer Institute, 18 regions.

^ Rates are not calculated for cells smaller than 16 cases.

-- Not applicable

↑ or ↓ The Louisiana rate is significantly higher or lower (p < 0.05) than the U.S. rate.

\* The regional rate is significantly lower (p < 0.05) than the Louisiana rate.

# The regional rate is significantly higher (p < 0.05) than the Louisiana rate.

**Table D. Cancer Incidence among AI/AN<sup>1</sup> and API<sup>2</sup>, 2007-2011**

Average Annual Rates<sup>3</sup> per 100,000

| Primary Site<br>Invasive cancers <sup>4</sup> | Males |           |   | Females |           |   |
|-----------------------------------------------|-------|-----------|---|---------|-----------|---|
|                                               | U.S.  | Louisiana |   | U.S.    | Louisiana |   |
| All Sites Combined                            | 324.0 | 244.2     | ↓ | 285.2   | 193.3     | ↓ |
| Oral Cavity & Pharynx                         | 10.7  | 8.6       |   | 4.5     | ^         |   |
| Esophagus                                     | 3.7   | ^         |   | 1.0     | 0.0       |   |
| Stomach                                       | 14.4  | ^         |   | 8.6     | 8.0       |   |
| Colon and Rectum                              | 42.1  | 24.8      | ↓ | 31.4    | 21.4      | ↓ |
| Liver and Intrahepatic Bile Duct              | 20.9  | 21.2      |   | 7.9     | ^         |   |
| Pancreas                                      | 10.6  | ^         |   | 8.7     | 10.8      |   |
| Larynx                                        | 2.4   | ^         |   | 0.3     | 0.0       |   |
| Lung and Bronchus                             | 48.4  | 45.3      |   | 27.9    | 23.8      |   |
| Melanoma of the Skin                          | 1.8   | ^         |   | 1.3     | ^         |   |
| Breast                                        | 0.7   | 0.0       |   | 89.7    | 50.4      | ↓ |
| Cervix Uteri                                  | --    | --        |   | 6.3     | ^         |   |
| Corpus and Uterus, NOS                        | --    | --        |   | 18.7    | 8.9       | ↓ |
| Ovary                                         | --    | --        |   | 9.0     | 6.0       |   |
| Prostate                                      | 77.1  | 54.0      | ↓ | --      | --        |   |
| Testis                                        | 2.1   | ^         |   | --      | --        |   |
| Urinary Bladder                               | 15.3  | 13.5      |   | 3.7     | ^         |   |
| Kidney and Renal Pelvis                       | 12.1  | ^         |   | 5.9     | ^         |   |
| Brain and Other Nervous System                | 4.0   | ^         |   | 2.8     | ^         |   |
| Thyroid                                       | 5.4   | ^         |   | 17.3    | 8.3       | ↓ |
| Hodgkin Lymphoma                              | 1.3   | ^         |   | 1.1     | ^         |   |
| Non-Hodgkin Lymphoma                          | 15.7  | 9.0       | ↓ | 10.9    | ^         |   |
| Myeloma                                       | 4.4   | ^         |   | 3.0     | ^         |   |
| Leukemia                                      | 9.1   | ^         |   | 6.0     | ^         |   |

<sup>1</sup>American Indians/Alaska Natives

<sup>2</sup>Asians and Pacific Islanders

<sup>3</sup>Rates are age adjusted to 2000 U.S. standard.

<sup>4</sup>Except for urinary bladder (in situ and invasive), only invasive cases are included.

^ Rates are not calculated for fewer than 16 cases during the five-year period.

U.S. rates from the SEER Program of the National Cancer Institute.

↑ or ↓: Louisiana rate is significantly higher or lower (p < 0.05) than the U.S. rate.

**Table E1. Ten Most Commonly Diagnosed Cancers<sup>1</sup>, 2007-2011: White Males**  
*Average Annual Incidence Rates<sup>2</sup> by Louisiana Parish<sup>3</sup>*

|                  | All Sites | Prostate | Lung  | Colon &<br>Rectum | Bladder <sup>2</sup> | Kidney | Non-Hodgkin<br>Lymphoma | Melanoma<br>of the Skin | Oral Cavity<br>& Pharynx | Leukemia | Pancreas |
|------------------|-----------|----------|-------|-------------------|----------------------|--------|-------------------------|-------------------------|--------------------------|----------|----------|
| Louisiana        | 578.1     | 151.5    | 92.3  | 57.6              | 38.4                 | 27.4   | 26.4                    | 26.1                    | 20.6                     | 17.1     | 14.4     |
| Acadia           | 546.3     | 125.7    | 99.6  | 61.5              | 28.6                 | 27.3   | 23.7                    | 25.9                    | 20.3                     | 16.9     | 13.4     |
| Allen            | 512.0     | 108.8    | 110.8 | 54.8              | 32.7                 | ^      | 37.5                    | ^                       | ^                        | ^        | ^        |
| Ascension        | 595.5     | 181.9    | 95.5  | 53.7              | 44.6                 | 30.1   | 15.2                    | 26.6                    | 21.1                     | ^        | 10.9     |
| Assumption       | 535.7     | 132.3    | 112.9 | 58.3              | ^                    | ^      | ^                       | ^                       | ^                        | ^        | ^        |
| Avoyelles        | 594.7     | 138.5    | 127.2 | 73.5              | 44.7                 | 22.9   | 20.8                    | ^                       | 22.1                     | ^        | 20.5     |
| Beauregard       | 517.8     | 122.6    | 98.4  | 58.4              | 40.6                 | ^      | 20.8                    | ^                       | ^                        | ^        | ^        |
| Bienville        | 577.2     | 180.9    | 61.6  | 72.2              | ^                    | ^      | ^                       | ^                       | ^                        | ^        | ^        |
| Bossier          | 608.8     | 172.9    | 99.6  | 50.5              | 36.9                 | 28.7   | 26.6                    | 27.6                    | 21.3                     | 21.5     | 15.3     |
| Caddo            | 600.9     | 164.6    | 94.8  | 52.0              | 43.8                 | 27.3   | 25.5                    | 29.7                    | 21.2                     | 20.5     | 11.2     |
| Calcasieu        | 605.6     | 166.4    | 94.7  | 49.3              | 37.0                 | 30.9   | 30.3                    | 27.4                    | 22.7                     | 22.4     | 11.8     |
| Caldwell         | 597.0     | 102.4    | 95.7  | 77.2              | ^                    | ^      | ^                       | ^                       | ^                        | ^        | ^        |
| Cameron          | 609.4     | 159.2    | 116.0 | ^                 | ^                    | ^      | ^                       | ^                       | ^                        | ^        | ^        |
| Catahoula        | 571.6     | 131.1    | 105.0 | 76.4              | ^                    | ^      | ^                       | ^                       | ^                        | ^        | ^        |
| Claiborne        | 603.9     | 163.8    | 99.9  | 82.6              | ^                    | ^      | ^                       | ^                       | ^                        | ^        | ^        |
| Concordia        | 533.6     | 128.6    | 92.1  | 81.3              | ^                    | ^      | ^                       | ^                       | ^                        | ^        | ^        |
| De Soto          | 628.6     | 147.8    | 116.6 | 78.2              | ^                    | ^      | ^                       | ^                       | ^                        | ^        | ^        |
| East Baton Rouge | 593.2     | 203.5    | 67.9  | 51.4              | 42.9                 | 25.4   | 23.9                    | 40.6                    | 18.3                     | 13.8     | 13.5     |
| East Carroll     | 442.5     | ^        | ^     | ^                 | 0.0                  | ^      | ^                       | ^                       | ^                        | ^        | ^        |
| East Feliciana   | 688.3     | 175.2    | 85.3  | 70.8              | 61.7                 | ^      | ^                       | 48.6                    | ^                        | ^        | ^        |
| Evangeline       | 543.3     | 115.0    | 109.6 | 78.6              | 52.2                 | ^      | ^                       | ^                       | ^                        | ^        | ^        |
| Franklin         | 601.7     | 115.1    | 132.2 | 70.7              | 36.7                 | ^      | ^                       | ^                       | ^                        | ^        | ^        |
| Grant            | 533.3     | 108.4    | 141.4 | 55.8              | ^                    | ^      | ^                       | ^                       | ^                        | ^        | ^        |
| Iberia           | 538.9     | 125.6    | 93.9  | 54.2              | 45.2                 | 23.2   | 29.8                    | 11.7                    | 20.8                     | ^        | 22.1     |
| Iberville        | 719.6     | 219.3    | 99.3  | 76.9              | 49.8                 | 31.0   | ^                       | 33.3                    | ^                        | ^        | ^        |
| Jackson          | 626.0     | 127.0    | 97.0  | 56.7              | 49.4                 | ^      | ^                       | ^                       | ^                        | ^        | ^        |
| Jefferson        | 555.7     | 132.3    | 83.3  | 53.8              | 39.4                 | 28.1   | 30.9                    | 23.2                    | 22.3                     | 16.9     | 14.7     |
| Jefferson Davis  | 578.9     | 145.1    | 112.9 | 66.9              | 29.1                 | 26.0   | ^                       | ^                       | ^                        | ^        | ^        |
| Lafayette        | 549.6     | 155.2    | 84.5  | 54.9              | 34.9                 | 25.6   | 22.1                    | 21.3                    | 19.3                     | 16.1     | 14.0     |
| Lafourche        | 547.2     | 145.8    | 84.8  | 59.9              | 34.8                 | 31.5   | 26.3                    | 14.2                    | 20.8                     | 13.4     | 13.7     |
| La Salle         | 553.0     | 157.8    | 117.3 | 52.5              | ^                    | ^      | ^                       | ^                       | ^                        | ^        | ^        |
| Lincoln          | 541.5     | 112.8    | 74.2  | 62.3              | 37.5                 | 26.3   | 41.3                    | 33.8                    | ^                        | ^        | ^        |

**Table E1. Ten Most Commonly Diagnosed Cancers<sup>1</sup>, 2007-2011: White Males (2)**

|                      | All Sites | Prostate | Lung  | Colon &<br>Rectum | Bladder <sup>2</sup> | Kidney | Non-Hodgkin<br>Lymphoma | Melanoma<br>of the Skin | Oral Cavity<br>& Pharynx | Leukemia | Pancreas |
|----------------------|-----------|----------|-------|-------------------|----------------------|--------|-------------------------|-------------------------|--------------------------|----------|----------|
| Livingston           | 615.9     | 155.7    | 115.7 | 60.2              | 37.1                 | 31.6   | 28.4                    | 28.0                    | 18.5                     | 12.5     | 16.0     |
| Madison              | 501.6     | 104.8    | ^     | ^                 | ^                    | ^      | ^                       | ^                       | ^                        | ^        | ^        |
| Morehouse            | 548.0     | 153.7    | 93.1  | 39.2              | ^                    | ^      | ^                       | ^                       | ^                        | ^        | ^        |
| Natchitoches         | 543.8     | 150.3    | 78.8  | 66.8              | ^                    | ^      | 28.5                    | 30.6                    | ^                        | ^        | ^        |
| Orleans              | 485.7     | 130.3    | 56.2  | 45.5              | 35.6                 | 19.1   | 26.5                    | 27.8                    | 20.6                     | 11.8     | 11.9     |
| Ouachita             | 578.1     | 146.4    | 103.8 | 53.7              | 30.3                 | 28.0   | 31.2                    | 33.5                    | 24.3                     | 15.5     | 15.3     |
| Plaquemines          | 507.1     | 147.0    | 49.2  | 39.8              | 55.3                 | ^      | ^                       | ^                       | ^                        | ^        | ^        |
| Pointe Coupee        | 606.1     | 174.8    | 68.6  | 90.2              | 38.8                 | 38.5   | ^                       | ^                       | ^                        | ^        | ^        |
| Rapides              | 568.6     | 139.7    | 100.8 | 56.8              | 38.4                 | 21.7   | 24.9                    | 20.3                    | 18.7                     | 22.2     | 16.4     |
| Red River            | 590.5     | 185.7    | 124.0 | ^                 | ^                    | ^      | ^                       | ^                       | ^                        | ^        | ^        |
| Richland             | 557.8     | 123.4    | 125.0 | 68.5              | ^                    | ^      | ^                       | ^                       | ^                        | ^        | ^        |
| Sabine               | 642.1     | 170.5    | 101.4 | 71.0              | 35.5                 | 27.5   | ^                       | ^                       | ^                        | ^        | ^        |
| St. Bernard          | 591.3     | 115.2    | 122.6 | 64.5              | 50.1                 | ^      | 42.1                    | ^                       | 20.5                     | ^        | ^        |
| St. Charles          | 583.9     | 146.9    | 86.1  | 45.7              | 51.2                 | 25.9   | 18.7                    | 28.4                    | 28.2                     | 26.8     | 22.5     |
| St. Helena           | 559.1     | 104.0    | 84.5  | ^                 | ^                    | ^      | ^                       | ^                       | ^                        | ^        | ^        |
| St. James            | 599.3     | 165.1    | 65.7  | 75.0              | ^                    | ^      | ^                       | ^                       | ^                        | ^        | ^        |
| St. John the Baptist | 524.5     | 123.0    | 104.3 | 52.7              | 27.5                 | ^      | 30.0                    | ^                       | ^                        | ^        | ^        |
| St. Landry           | 643.4     | 163.6    | 88.7  | 81.0              | 51.9                 | 45.7   | 20.0                    | 22.3                    | 16.4                     | 12.7     | 18.9     |
| St. Martin           | 585.2     | 166.0    | 83.6  | 78.2              | 38.6                 | 32.3   | 19.1                    | 21.9                    | 23.3                     | 18.5     | ^        |
| St. Mary             | 575.3     | 145.2    | 91.3  | 70.6              | 28.3                 | 28.5   | 30.1                    | ^                       | 21.6                     | 19.9     | ^        |
| St. Tammany          | 589.3     | 155.4    | 82.3  | 52.2              | 43.5                 | 32.8   | 28.8                    | 33.9                    | 19.1                     | 22.5     | 11.6     |
| Tangipahoa           | 600.8     | 147.9    | 110.5 | 70.5              | 33.9                 | 28.3   | 23.5                    | 24.9                    | 17.0                     | 17.3     | 16.9     |
| Tensas               | 480.3     | ^        | ^     | ^                 | ^                    | ^      | ^                       | ^                       | ^                        | ^        | ^        |
| Terrebonne           | 580.5     | 126.0    | 96.5  | 63.7              | 43.2                 | 30.1   | 29.4                    | 18.6                    | 18.0                     | 17.8     | 14.3     |
| Union                | 547.1     | 126.3    | 104.4 | 71.2              | 39.7                 | ^      | ^                       | ^                       | ^                        | ^        | ^        |
| Vermilion            | 632.7     | 189.2    | 101.3 | 69.3              | 28.5                 | 26.3   | 23.7                    | 21.3                    | 19.1                     | 21.1     | 16.3     |
| Vernon               | 628.3     | 150.3    | 119.2 | 54.8              | 43.2                 | 29.2   | 29.4                    | 24.3                    | 31.5                     | ^        | ^        |
| Washington           | 632.9     | 129.5    | 112.2 | 52.4              | 34.4                 | 42.1   | 27.6                    | 35.9                    | 28.8                     | ^        | 19.9     |
| Webster              | 593.2     | 139.8    | 105.7 | 61.2              | 26.0                 | 24.1   | 30.6                    | 31.7                    | 27.0                     | ^        | ^        |
| West Baton Rouge     | 602.2     | 202.7    | 106.2 | ^                 | ^                    | ^      | ^                       | ^                       | ^                        | ^        | ^        |
| West Carroll         | 541.0     | 102.7    | 133.1 | 62.5              | ^                    | ^      | ^                       | ^                       | ^                        | ^        | ^        |
| West Feliciana       | 543.3     | 143.5    | 122.3 | ^                 | ^                    | ^      | ^                       | ^                       | ^                        | ^        | ^        |
| Winn                 | 638.0     | 134.9    | 146.1 | 63.4              | ^                    | ^      | ^                       | ^                       | ^                        | ^        | ^        |

<sup>1</sup>Except for urinary bladder (in situ and invasivw), only invasive cases are included.

<sup>2</sup>Rates per 100,000 person years, age adjusted to the U.S. 2000 standard.

<sup>3</sup>Cases are assigned to the parish of residence, not the parish where diagnosis or treatment took place.

^ Rates are not generated for cells with fewer than 16 cases in five years.

**Table E2. Ten Most Commonly Diagnosed Cancers<sup>1</sup>, 2007-2011: White Females**  
*Average Annual Incidence Rates<sup>2</sup> by Louisiana Parish<sup>3</sup>*

|                  | All Sites | Breast | Lung | Colon &<br>Rectum | Thyroid | Non-Hodgkin<br>Lymphoma | Uterus | Melanoma<br>of the Skin | Kidney | Pancreas | Leukemia |
|------------------|-----------|--------|------|-------------------|---------|-------------------------|--------|-------------------------|--------|----------|----------|
| Louisiana        | 413.1     | 120.3  | 59.1 | 40.2              | 18.4    | 18.2                    | 17.1   | 15.6                    | 15.4   | 11.3     | 10.5     |
| Acadia           | 426.7     | 106.1  | 64.1 | 51.8              | 18.4    | 16.1                    | 19.1   | 13.8                    | 15.4   | 11.9     | ^        |
| Allen            | 393.2     | 96.7   | 45.9 | 45.6              | ^       | ^                       | ^      | ^                       | ^      | ^        | ^        |
| Ascension        | 392.2     | 101.5  | 69.3 | 34.1              | 15.0    | 17.4                    | 16.7   | 20.1                    | 16.8   | 10.5     | 10.6     |
| Assumption       | 349.8     | 118.9  | 51.4 | 44.2              | ^       | ^                       | ^      | ^                       | ^      | ^        | ^        |
| Avoyelles        | 392.6     | 95.7   | 58.8 | 48.9              | 20.7    | ^                       | ^      | ^                       | 21.3   | 26.5     | ^        |
| Beauregard       | 436.0     | 115.1  | 62.1 | 37.7              | 25.1    | ^                       | 24.6   | 24.1                    | ^      | ^        | ^        |
| Bienville        | 345.1     | 80.9   | 68.8 | ^                 | ^       | ^                       | ^      | ^                       | ^      | ^        | ^        |
| Bossier          | 415.0     | 106.2  | 67.2 | 44.2              | 19.3    | 17.0                    | 12.7   | 23.4                    | 15.5   | 9.5      | 9.4      |
| Caddo            | 398.2     | 110.6  | 56.6 | 33.1              | 19.9    | 18.2                    | 18.1   | 16.3                    | 10.6   | 13.0     | 14.7     |
| Calcasieu        | 423.4     | 117.4  | 58.6 | 40.8              | 25.2    | 19.5                    | 19.1   | 21.8                    | 16.5   | 14.4     | 11.1     |
| Caldwell         | 428.2     | 125.9  | 80.8 | ^                 | ^       | ^                       | ^      | ^                       | ^      | ^        | ^        |
| Cameron          | 359.2     | 104.5  | ^    | ^                 | ^       | ^                       | ^      | ^                       | ^      | ^        | ^        |
| Catahoula        | 398.7     | 106.9  | 63.5 | 69.5              | ^       | ^                       | ^      | ^                       | ^      | ^        | ^        |
| Claiborne        | 353.9     | 101.2  | 44.0 | 51.2              | ^       | ^                       | ^      | ^                       | ^      | ^        | ^        |
| Concordia        | 407.2     | 90.7   | 66.8 | 49.5              | ^       | ^                       | ^      | ^                       | ^      | ^        | ^        |
| De Soto          | 487.8     | 167.1  | 72.3 | 42.0              | ^       | 29.6                    | ^      | ^                       | ^      | ^        | ^        |
| East Baton Rouge | 390.0     | 123.9  | 47.4 | 38.5              | 12.7    | 17.0                    | 16.1   | 18.3                    | 12.7   | 9.0      | 11.9     |
| East Carroll     | 507.3     | ^      | ^    | ^                 | ^       | ^                       | ^      | ^                       | ^      | ^        | ^        |
| East Feliciana   | 456.0     | 176.4  | 60.5 | 46.9              | ^       | ^                       | ^      | ^                       | ^      | ^        | ^        |
| Evangeline       | 397.2     | 109.1  | 51.2 | 44.7              | ^       | 23.4                    | ^      | ^                       | ^      | ^        | ^        |
| Franklin         | 381.7     | 117.8  | 63.7 | 37.2              | ^       | ^                       | ^      | ^                       | ^      | ^        | ^        |
| Grant            | 482.9     | 86.4   | 86.4 | 50.4              | ^       | ^                       | ^      | ^                       | ^      | ^        | ^        |
| Iberia           | 450.5     | 136.0  | 73.3 | 51.7              | 22.6    | 13.5                    | 21.1   | ^                       | 20.9   | 14.1     | ^        |
| Iberville        | 482.8     | 144.2  | 58.8 | 41.1              | ^       | ^                       | ^      | ^                       | ^      | ^        | ^        |
| Jackson          | 493.2     | 96.1   | 84.0 | 56.4              | ^       | ^                       | 41.9   | ^                       | ^      | ^        | ^        |
| Jefferson        | 423.5     | 126.3  | 60.6 | 39.8              | 18.1    | 18.0                    | 18.3   | 13.9                    | 15.5   | 9.9      | 11.2     |
| Jefferson Davis  | 408.2     | 138.2  | 63.4 | 43.3              | ^       | ^                       | ^      | ^                       | ^      | ^        | ^        |
| Lafayette        | 417.8     | 140.7  | 53.3 | 37.5              | 15.7    | 19.7                    | 15.2   | 11.2                    | 14.3   | 10.3     | 9.9      |
| Lafourche        | 408.0     | 125.6  | 56.0 | 40.2              | 20.5    | 21.9                    | 17.5   | 9.9                     | 15.8   | 8.3      | 10.6     |
| La Salle         | 409.3     | 102.5  | 65.2 | 60.1              | ^       | ^                       | ^      | ^                       | ^      | ^        | ^        |
| Lincoln          | 381.4     | 133.0  | 53.9 | 31.4              | ^       | ^                       | ^      | ^                       | ^      | ^        | ^        |

**Table E2. Ten Most Commonly Diagnosed Cancers<sup>1</sup>, 2007-2011: White Females (2)**

|                      | All Sites | Breast | Lung | Colon &<br>Rectum | Thyroid | Non-Hodgkin<br>Lymphoma | Uterus | Melanoma<br>of the Skin | Kidney | Pancreas | Leukemia |
|----------------------|-----------|--------|------|-------------------|---------|-------------------------|--------|-------------------------|--------|----------|----------|
| Livingston           | 414.3     | 110.1  | 56.3 | 48.9              | 17.6    | 17.4                    | 14.4   | 19.9                    | 18.7   | 11.0     | 7.3      |
| Madison              | 360.9     | 101.5  | ^    | ^                 | ^       | ^                       | ^      | ^                       | ^      | ^        | ^        |
| Morehouse            | 392.8     | 110.7  | 58.3 | 32.4              | ^       | ^                       | ^      | ^                       | ^      | ^        | ^        |
| Natchitoches         | 426.8     | 107.1  | 57.2 | 52.9              | ^       | 23.5                    | 24.5   | ^                       | ^      | ^        | ^        |
| Orleans              | 389.7     | 132.9  | 44.9 | 36.1              | 12.9    | 20.3                    | 21.0   | 15.6                    | 11.4   | 10.2     | 8.9      |
| Ouachita             | 421.9     | 123.8  | 63.5 | 33.7              | 27.6    | 12.6                    | 17.5   | 28.7                    | 10.3   | 10.4     | 9.8      |
| Plaquemines          | 346.9     | 118.2  | 57.5 | 34.4              | ^       | ^                       | ^      | ^                       | ^      | ^        | ^        |
| Pointe Coupee        | 429.4     | 136.7  | 66.8 | 30.3              | ^       | ^                       | ^      | ^                       | ^      | ^        | ^        |
| Rapides              | 379.7     | 104.1  | 49.4 | 32.4              | 16.5    | 15.5                    | 17.0   | 13.5                    | 16.8   | 11.2     | 13.8     |
| Red River            | 336.1     | 91.4   | ^    | ^                 | ^       | ^                       | ^      | ^                       | ^      | ^        | ^        |
| Richland             | 396.4     | 93.3   | 49.0 | 50.2              | ^       | ^                       | ^      | ^                       | ^      | ^        | ^        |
| Sabine               | 438.0     | 120.3  | 61.1 | 49.8              | ^       | 29.7                    | ^      | ^                       | ^      | ^        | ^        |
| St. Bernard          | 481.6     | 139.7  | 86.0 | 53.0              | ^       | 28.0                    | 25.6   | ^                       | ^      | ^        | ^        |
| St. Charles          | 399.3     | 114.9  | 63.1 | 30.2              | 16.7    | 21.2                    | ^      | 16.6                    | ^      | ^        | ^        |
| St. Helena           | 387.2     | ^      | ^    | ^                 | ^       | ^                       | ^      | ^                       | ^      | ^        | ^        |
| St. James            | 373.2     | 113.2  | 44.8 | 53.1              | ^       | ^                       | ^      | ^                       | ^      | ^        | ^        |
| St. John the Baptist | 396.9     | 112.6  | 43.9 | 44.4              | ^       | ^                       | ^      | ^                       | ^      | ^        | ^        |
| St. Landry           | 435.7     | 125.6  | 71.7 | 37.9              | 30.0    | 15.3                    | 17.8   | ^                       | 19.8   | 16.4     | ^        |
| St. Martin           | 442.4     | 126.3  | 66.1 | 54.7              | 18.4    | 16.6                    | 19.4   | ^                       | 17.4   | ^        | ^        |
| St. Mary             | 415.0     | 114.7  | 63.1 | 38.0              | 24.0    | 19.0                    | ^      | ^                       | ^      | ^        | ^        |
| St. Tammany          | 434.2     | 132.8  | 59.6 | 37.3              | 22.1    | 19.6                    | 14.3   | 18.9                    | 15.2   | 13.6     | 11.8     |
| Tangipahoa           | 405.6     | 115.4  | 55.0 | 39.6              | 16.2    | 16.1                    | 17.8   | 13.2                    | 18.1   | 10.4     | 12.0     |
| Tensas               | 294.5     | ^      | ^    | ^                 | ^       | ^                       | ^      | ^                       | ^      | ^        | ^        |
| Terrebonne           | 400.7     | 112.4  | 59.8 | 37.0              | 10.8    | 18.4                    | 17.4   | 11.9                    | 15.6   | 15.6     | ^        |
| Union                | 424.7     | 116.0  | 68.0 | 47.2              | ^       | ^                       | ^      | ^                       | ^      | ^        | ^        |
| Vermilion            | 430.6     | 130.0  | 62.2 | 50.3              | 17.3    | 15.0                    | 16.1   | ^                       | 22.9   | ^        | 10.5     |
| Vernon               | 375.2     | 85.4   | 82.1 | 36.5              | 21.2    | ^                       | ^      | ^                       | 17.3   | ^        | ^        |
| Washington           | 482.2     | 135.7  | 76.0 | 42.8              | 22.6    | 24.1                    | 19.6   | 19.0                    | 21.4   | ^        | ^        |
| Webster              | 432.1     | 107.9  | 77.7 | 33.3              | ^       | 26.7                    | 26.9   | ^                       | ^      | ^        | ^        |
| West Baton Rouge     | 442.4     | 129.0  | 59.2 | 41.8              | ^       | ^                       | ^      | ^                       | ^      | ^        | ^        |
| West Carroll         | 410.8     | 108.5  | 65.3 | 44.8              | ^       | ^                       | ^      | ^                       | ^      | ^        | ^        |
| West Feliciana       | 383.9     | 158.4  | ^    | ^                 | ^       | ^                       | ^      | ^                       | ^      | ^        | ^        |
| Winn                 | 395.7     | 86.4   | 82.4 | 46.9              | ^       | ^                       | ^      | ^                       | ^      | ^        | ^        |

<sup>1</sup>only invasive cases are included.

<sup>2</sup>Rates per 100,000 person years, age adjusted to the U.S. 2000 standard.

<sup>3</sup>Cases are assigned to the parish of residence, not the parish where diagnosis or treatment took place.

^ Rates are not generated for cells with fewer than 16 cases in five years.

**Table E3. Ten Most Commonly Diagnosed Cancers<sup>1</sup>, 2007-2011: Black Males**  
*Average Annual Incidence Rates<sup>2</sup> by Louisiana Parish<sup>3</sup>*

|                  | All Sites | Prostate | Lung  | Colon &<br>Rectum | Kidney | Bladder <sup>2</sup> | Stomach | Oral Cavity<br>& Pharynx | Non-Hodgkin<br>Lymphoma | Liver & Bile<br>duct | Pancreas |
|------------------|-----------|----------|-------|-------------------|--------|----------------------|---------|--------------------------|-------------------------|----------------------|----------|
| Louisiana        | 652.1     | 230.7    | 113.8 | 73.3              | 26.0   | 21.6                 | 19.0    | 17.7                     | 17.1                    | 16.0                 | 16.0     |
| Acadia           | 646.5     | 172.7    | 108.0 | 85.4              | ^      | ^                    | ^       | ^                        | ^                       | ^                    | ^        |
| Allen            | 454.7     | 132.4    | ^     | ^                 | ^      | ^                    | ^       | ^                        | ^                       | ^                    | ^        |
| Ascension        | 690.0     | 256.6    | 116.4 | 80.2              | ^      | ^                    | ^       | ^                        | ^                       | ^                    | ^        |
| Assumption       | 619.0     | 181.6    | 114.5 | ^                 | ^      | ^                    | ^       | ^                        | ^                       | ^                    | ^        |
| Avoyelles        | 752.4     | 213.1    | 170.0 | 67.8              | ^      | ^                    | ^       | ^                        | ^                       | ^                    | ^        |
| Beauregard       | 516.1     | 183.0    | ^     | ^                 | ^      | ^                    | ^       | ^                        | ^                       | ^                    | ^        |
| Bienville        | 656.3     | 286.6    | 168.7 | ^                 | ^      | ^                    | ^       | ^                        | ^                       | ^                    | ^        |
| Bossier          | 647.9     | 255.5    | 96.2  | 58.0              | ^      | ^                    | ^       | ^                        | ^                       | ^                    | ^        |
| Caddo            | 676.2     | 249.8    | 115.1 | 72.8              | 32.4   | 12.2                 | 18.0    | 19.3                     | 16.7                    | 15.0                 | 19.3     |
| Calcasieu        | 647.4     | 232.2    | 115.8 | 91.5              | 29.4   | ^                    | ^       | 19.9                     | ^                       | ^                    | ^        |
| Caldwell         | 472.9     | ^        | ^     | ^                 | ^      | ^                    | ^       | ^                        | ^                       | ^                    | ^        |
| Cameron          | ^         | ^        | ^     | ^                 | ^      | ^                    | ^       | ^                        | ^                       | ^                    | ^        |
| Catahoula        | 573.7     | ^        | ^     | ^                 | ^      | ^                    | ^       | ^                        | ^                       | ^                    | ^        |
| Claiborne        | 691.8     | 291.5    | 111.3 | ^                 | ^      | ^                    | ^       | ^                        | ^                       | ^                    | ^        |
| Concordia        | 801.4     | 316.0    | 117.8 | 110.3             | ^      | ^                    | ^       | ^                        | ^                       | ^                    | ^        |
| De Soto          | 665.4     | 278.0    | 141.8 | ^                 | ^      | ^                    | ^       | ^                        | ^                       | ^                    | ^        |
| East Baton Rouge | 678.1     | 270.8    | 103.8 | 65.7              | 22.9   | 20.8                 | 19.1    | 17.0                     | 24.8                    | 18.1                 | 14.5     |
| East Carroll     | 709.0     | ^        | ^     | ^                 | ^      | ^                    | ^       | ^                        | ^                       | ^                    | ^        |
| East Feliciana   | 726.4     | 261.0    | 129.0 | 118.2             | ^      | ^                    | ^       | ^                        | ^                       | ^                    | ^        |
| Evangeline       | 601.1     | 148.0    | 135.5 | ^                 | ^      | ^                    | ^       | ^                        | ^                       | ^                    | ^        |
| Franklin         | 709.5     | 188.8    | 157.0 | ^                 | ^      | ^                    | ^       | ^                        | ^                       | ^                    | ^        |
| Grant            | 748.0     | ^        | ^     | ^                 | ^      | ^                    | ^       | ^                        | ^                       | ^                    | ^        |
| Iberia           | 815.7     | 246.7    | 137.8 | 121.9             | ^      | ^                    | ^       | ^                        | ^                       | ^                    | ^        |
| Iberville        | 721.6     | 256.8    | 118.9 | 67.2              | ^      | ^                    | ^       | ^                        | ^                       | ^                    | ^        |
| Jackson          | 669.4     | 232.2    | 150.8 | ^                 | ^      | ^                    | ^       | ^                        | ^                       | ^                    | ^        |
| Jefferson        | 640.5     | 232.1    | 103.5 | 76.0              | 29.6   | 25.0                 | 15.9    | 16.4                     | 15.2                    | 16.0                 | 13.2     |
| Jefferson Davis  | 532.2     | 146.9    | ^     | ^                 | ^      | ^                    | ^       | ^                        | ^                       | ^                    | ^        |
| Lafayette        | 636.1     | 165.7    | 131.6 | 100.9             | 24.8   | 29.0                 | ^       | 16.5                     | ^                       | 23.2                 | ^        |
| Lafourche        | 593.8     | 171.8    | 103.2 | 84.1              | ^      | ^                    | ^       | ^                        | ^                       | ^                    | ^        |
| La Salle         | 555.7     | ^        | ^     | ^                 | ^      | ^                    | ^       | ^                        | ^                       | ^                    | ^        |
| Lincoln          | 575.1     | 182.3    | 103.3 | 82.6              | ^      | ^                    | ^       | ^                        | ^                       | ^                    | ^        |

**Table E3. Ten Most Commonly Diagnosed Cancers<sup>1</sup>, 2007-2011: Black Males (2)**

|                      | All Sites | Prostate | Lung  | Colon & Rectum | Kidney | Bladder <sup>2</sup> | Stomach | Oral Cavity & Pharynx | Non-Hodgkin Lymphoma | Liver & Bile duct | Pancreas |
|----------------------|-----------|----------|-------|----------------|--------|----------------------|---------|-----------------------|----------------------|-------------------|----------|
| Livingston           | 619.6     | 262.4    | ^     | ^              | ^      | ^                    | ^       | ^                     | ^                    | ^                 | ^        |
| Madison              | 566.2     | 207.0    | ^     | ^              | ^      | ^                    | ^       | ^                     | ^                    | ^                 | ^        |
| Morehouse            | 565.7     | 262.6    | 86.4  | ^              | ^      | ^                    | ^       | ^                     | ^                    | ^                 | ^        |
| Natchitoches         | 607.6     | 160.6    | 162.1 | 69.0           | ^      | ^                    | ^       | ^                     | ^                    | ^                 | ^        |
| Orleans              | 640.9     | 201.2    | 120.1 | 68.7           | 27.8   | 29.1                 | 17.0    | 16.3                  | 21.4                 | 24.1              | 12.0     |
| Ouachita             | 614.2     | 219.1    | 102.6 | 73.0           | 25.4   | ^                    | ^       | 17.2                  | ^                    | ^                 | ^        |
| Plaquemines          | 678.0     | ^        | ^     | ^              | ^      | ^                    | ^       | ^                     | ^                    | ^                 | ^        |
| Pointe Coupee        | 658.5     | 289.9    | ^     | 94.5           | ^      | ^                    | ^       | ^                     | ^                    | ^                 | ^        |
| Rapides              | 667.3     | 277.2    | 107.9 | 46.1           | 21.6   | 24.9                 | ^       | ^                     | ^                    | ^                 | ^        |
| Red River            | 517.7     | ^        | ^     | ^              | ^      | ^                    | ^       | ^                     | ^                    | ^                 | ^        |
| Richland             | 512.0     | 169.6    | ^     | ^              | ^      | ^                    | ^       | ^                     | ^                    | ^                 | ^        |
| Sabine               | 633.9     | 269.1    | ^     | ^              | ^      | ^                    | ^       | ^                     | ^                    | ^                 | ^        |
| St. Bernard          | 642.3     | 229.4    | ^     | ^              | ^      | ^                    | ^       | ^                     | ^                    | ^                 | ^        |
| St. Charles          | 586.0     | 233.0    | 96.7  | 70.4           | ^      | ^                    | ^       | ^                     | ^                    | ^                 | ^        |
| St. Helena           | 600.6     | 255.6    | ^     | ^              | ^      | ^                    | ^       | ^                     | ^                    | ^                 | ^        |
| St. James            | 813.9     | 244.7    | 132.7 | 90.1           | ^      | ^                    | ^       | ^                     | ^                    | ^                 | ^        |
| St. John the Baptist | 627.4     | 221.3    | 90.6  | 61.6           | ^      | ^                    | ^       | ^                     | ^                    | ^                 | ^        |
| St. Landry           | 679.4     | 218.1    | 128.6 | 64.5           | 25.1   | 41.1                 | ^       | 24.7                  | ^                    | ^                 | ^        |
| St. Martin           | 678.2     | 219.9    | 107.6 | 79.8           | ^      | ^                    | ^       | ^                     | ^                    | ^                 | ^        |
| St. Mary             | 594.6     | 215.7    | 105.2 | 74.3           | ^      | ^                    | ^       | ^                     | ^                    | ^                 | ^        |
| St. Tammany          | 579.5     | 201.8    | 108.7 | 48.3           | ^      | ^                    | ^       | ^                     | ^                    | ^                 | ^        |
| Tangipahoa           | 684.0     | 278.5    | 126.8 | 68.6           | ^      | ^                    | ^       | ^                     | ^                    | ^                 | ^        |
| Tensas               | 701.7     | ^        | ^     | ^              | ^      | ^                    | ^       | ^                     | ^                    | ^                 | ^        |
| Terrebonne           | 678.2     | 233.9    | 105.1 | 97.5           | ^      | ^                    | ^       | ^                     | ^                    | ^                 | ^        |
| Union                | 509.2     | 139.7    | ^     | ^              | ^      | ^                    | ^       | ^                     | ^                    | ^                 | ^        |
| Vermilion            | 838.8     | 246.8    | 209.2 | ^              | ^      | ^                    | ^       | ^                     | ^                    | ^                 | ^        |
| Vernon               | 647.1     | 306.4    | ^     | ^              | ^      | ^                    | ^       | ^                     | ^                    | ^                 | ^        |
| Washington           | 631.8     | 268.5    | 109.7 | 71.9           | ^      | ^                    | ^       | ^                     | ^                    | ^                 | ^        |
| Webster              | 728.1     | 242.6    | 170.4 | 67.0           | ^      | ^                    | ^       | ^                     | ^                    | ^                 | ^        |
| West Baton Rouge     | 625.9     | 297.3    | ^     | ^              | ^      | ^                    | ^       | ^                     | ^                    | ^                 | ^        |
| West Carroll         | 682.9     | ^        | ^     | ^              | ^      | ^                    | ^       | ^                     | ^                    | ^                 | ^        |
| West Feliciana       | 564.9     | 197.3    | 90.5  | ^              | ^      | ^                    | ^       | ^                     | ^                    | ^                 | ^        |
| Winn                 | 798.2     | 314.6    | ^     | ^              | ^      | ^                    | ^       | ^                     | ^                    | ^                 | ^        |

<sup>1</sup>Except for urinary bladder (in situ and invasive), only invasive cases are included.

<sup>2</sup>Rates per 100,000 person years, age adjusted to the U.S. 2000 standard.

<sup>3</sup>Cases are assigned to the parish of residence, not the parish where diagnosis or treatment took place.

^ Rates are not generated for cells with fewer than 16 cases in five years.



**Table E4. Ten Most Commonly Diagnosed Cancers<sup>1</sup>, 2007-2011: Black Females**  
*Average Annual Incidence Rates<sup>2</sup> by Louisiana Parish<sup>3</sup>*

|                  | All Sites | Breast | Colon &<br>Rectum | Lung  | Uterus | Kidney | Pancreas | Cervix | Non-Hodgkin<br>Lymphoma | Stomach | Ovary |
|------------------|-----------|--------|-------------------|-------|--------|--------|----------|--------|-------------------------|---------|-------|
| Louisiana        | 415.4     | 126.6  | 52.8              | 52.7  | 19.4   | 15.8   | 14.2     | 12.2   | 12.2                    | 10.6    | 9.6   |
| Acadia           | 433.0     | 134.8  | 64.2              | 64.4  | ^      | ^      | ^        | ^      | ^                       | ^       | ^     |
| Allen            | 276.2     | ^      | ^                 | ^     | ^      | ^      | ^        | ^      | ^                       | ^       | ^     |
| Ascension        | 429.0     | 139.0  | 70.9              | 54.2  | ^      | ^      | ^        | ^      | ^                       | ^       | ^     |
| Assumption       | 445.2     | 163.3  | ^                 | ^     | ^      | ^      | ^        | ^      | ^                       | ^       | ^     |
| Avoyelles        | 424.3     | 113.4  | 52.6              | 67.5  | ^      | ^      | ^        | ^      | ^                       | ^       | ^     |
| Beauregard       | 487.0     | 158.4  | ^                 | ^     | ^      | ^      | ^        | ^      | ^                       | ^       | ^     |
| Bienville        | 348.0     | 97.9   | ^                 | ^     | ^      | ^      | ^        | ^      | ^                       | ^       | ^     |
| Bossier          | 367.6     | 103.8  | 42.4              | 36.3  | ^      | ^      | ^        | ^      | ^                       | ^       | ^     |
| Caddo            | 423.9     | 124.3  | 54.1              | 39.2  | 29.2   | 14.9   | 14.3     | 16.9   | 10.5                    | 13.6    | 10.5  |
| Calcasieu        | 430.1     | 119.1  | 65.4              | 60.8  | 14.8   | 17.2   | 16.6     | 16.2   | ^                       | ^       | ^     |
| Caldwell         | 450.6     | ^      | ^                 | ^     | ^      | ^      | ^        | ^      | ^                       | ^       | ^     |
| Cameron          | ^         | ^      | ^                 | ^     | ^      | ^      | ^        | ^      | ^                       | ^       | ^     |
| Catahoula        | 373.0     | ^      | ^                 | ^     | ^      | ^      | ^        | ^      | ^                       | ^       | ^     |
| Claiborne        | 309.6     | 90.1   | ^                 | ^     | ^      | ^      | ^        | ^      | ^                       | ^       | ^     |
| Concordia        | 382.9     | 101.5  | ^                 | ^     | ^      | ^      | ^        | ^      | ^                       | ^       | ^     |
| De Soto          | 335.3     | 120.1  | 53.1              | ^     | ^      | ^      | ^        | ^      | ^                       | ^       | ^     |
| East Baton Rouge | 421.7     | 134.9  | 53.3              | 46.8  | 20.7   | 15.4   | 17.0     | 10.9   | 12.2                    | 8.3     | 11.9  |
| East Carroll     | 400.8     | ^      | ^                 | ^     | ^      | ^      | ^        | ^      | ^                       | ^       | ^     |
| East Feliciana   | 397.9     | 150.5  | ^                 | ^     | ^      | ^      | ^        | ^      | ^                       | ^       | ^     |
| Evangeline       | 349.1     | 99.3   | ^                 | ^     | ^      | ^      | ^        | ^      | ^                       | ^       | ^     |
| Franklin         | 392.9     | 136.8  | ^                 | ^     | ^      | ^      | ^        | ^      | ^                       | ^       | ^     |
| Grant            | 397.0     | ^      | ^                 | ^     | ^      | ^      | ^        | ^      | ^                       | ^       | ^     |
| Iberia           | 475.4     | 143.3  | 65.1              | 64.8  | ^      | ^      | ^        | ^      | ^                       | ^       | ^     |
| Iberville        | 486.0     | 130.4  | 78.1              | 58.6  | ^      | ^      | ^        | ^      | ^                       | ^       | ^     |
| Jackson          | 474.2     | 121.9  | ^                 | ^     | ^      | ^      | ^        | ^      | ^                       | ^       | ^     |
| Jefferson        | 429.1     | 139.4  | 48.8              | 62.1  | 16.6   | 12.4   | 12.9     | 10.4   | 11.0                    | 11.5    | 8.6   |
| Jefferson Davis  | 573.7     | 132.1  | ^                 | 121.1 | ^      | ^      | ^        | ^      | ^                       | ^       | ^     |
| Lafayette        | 423.0     | 102.4  | 50.9              | 69.1  | 21.7   | 18.3   | ^        | ^      | 18.0                    | 17.6    | ^     |
| Lafourche        | 395.4     | 117.4  | ^                 | 70.1  | ^      | ^      | ^        | ^      | ^                       | ^       | ^     |
| La Salle         | 539.6     | ^      | ^                 | ^     | ^      | ^      | ^        | ^      | ^                       | ^       | ^     |
| Lincoln          | 369.2     | 117.1  | 45.4              | 44.3  | ^      | ^      | ^        | ^      | ^                       | ^       | ^     |

**Table E4. Ten Most Commonly Diagnosed Cancers<sup>1</sup>, 2007-2011: Black Females (2)**

|                      | All Sites | Breast | Colon &<br>Rectum | Lung | Uterus | Kidney | Pancreas | Cervix | Non-Hodgkin<br>Lymphoma | Stomach | Ovary |
|----------------------|-----------|--------|-------------------|------|--------|--------|----------|--------|-------------------------|---------|-------|
| Livingston           | 458.1     | ^      | ^                 | ^    | ^      | ^      | ^        | ^      | ^                       | ^       | ^     |
| Madison              | 336.9     | ^      | ^                 | ^    | ^      | ^      | ^        | ^      | ^                       | ^       | ^     |
| Morehouse            | 435.1     | 105.7  | 82.1              | 57.2 | ^      | ^      | ^        | ^      | ^                       | ^       | ^     |
| Natchitoches         | 394.8     | 126.5  | 44.8              | ^    | ^      | ^      | ^        | ^      | ^                       | ^       | ^     |
| Orleans              | 413.6     | 134.3  | 46.7              | 54.6 | 19.5   | 13.7   | 9.2      | 13.5   | 15.6                    | 9.7     | 10.4  |
| Ouachita             | 397.8     | 131.5  | 60.3              | 48.1 | 23.8   | ^      | 14.1     | ^      | ^                       | ^       | ^     |
| Plaquemines          | 581.0     | 188.5  | ^                 | ^    | ^      | ^      | ^        | ^      | ^                       | ^       | ^     |
| Pointe Coupee        | 473.8     | 179.9  | ^                 | ^    | ^      | ^      | ^        | ^      | ^                       | ^       | ^     |
| Rapides              | 427.3     | 123.6  | 58.7              | 54.6 | 16.5   | 21.0   | 18.5     | ^      | 15.5                    | ^       | ^     |
| Red River            | 252.1     | ^      | ^                 | ^    | ^      | ^      | ^        | ^      | ^                       | ^       | ^     |
| Richland             | 401.3     | 132.9  | ^                 | ^    | ^      | ^      | ^        | ^      | ^                       | ^       | ^     |
| Sabine               | 481.3     | ^      | ^                 | ^    | ^      | ^      | ^        | ^      | ^                       | ^       | ^     |
| St. Bernard          | 510.4     | 160.1  | ^                 | ^    | ^      | ^      | ^        | ^      | ^                       | ^       | ^     |
| St. Charles          | 410.7     | 151.4  | ^                 | 65.1 | ^      | ^      | ^        | ^      | ^                       | ^       | ^     |
| St. Helena           | 378.5     | 126.2  | ^                 | ^    | ^      | ^      | ^        | ^      | ^                       | ^       | ^     |
| St. James            | 355.0     | 119.5  | ^                 | ^    | ^      | ^      | ^        | ^      | ^                       | ^       | ^     |
| St. John the Baptist | 392.7     | 125.9  | 44.9              | 56.5 | ^      | ^      | ^        | ^      | ^                       | ^       | ^     |
| St. Landry           | 427.0     | 127.1  | 60.4              | 60.8 | ^      | 22.2   | 18.4     | ^      | ^                       | ^       | ^     |
| St. Martin           | 394.2     | 109.3  | 62.5              | 57.2 | ^      | ^      | ^        | ^      | ^                       | ^       | ^     |
| St. Mary             | 436.7     | 100.0  | 62.5              | 50.2 | ^      | ^      | ^        | ^      | ^                       | ^       | ^     |
| St. Tammany          | 461.6     | 154.4  | 45.8              | 56.7 | ^      | ^      | ^        | ^      | ^                       | ^       | ^     |
| Tangipahoa           | 430.3     | 111.8  | 53.1              | 70.8 | ^      | 20.9   | ^        | ^      | ^                       | ^       | ^     |
| Tensas               | 299.0     | ^      | ^                 | ^    | ^      | ^      | ^        | ^      | ^                       | ^       | ^     |
| Terrebonne           | 442.9     | 120.2  | 45.2              | 56.2 | ^      | ^      | ^        | ^      | ^                       | ^       | ^     |
| Union                | 348.2     | 99.0   | ^                 | ^    | ^      | ^      | ^        | ^      | ^                       | ^       | ^     |
| Vermilion            | 466.1     | 143.1  | ^                 | ^    | ^      | ^      | ^        | ^      | ^                       | ^       | ^     |
| Vernon               | 486.6     | ^      | ^                 | ^    | ^      | ^      | ^        | ^      | ^                       | ^       | ^     |
| Washington           | 419.2     | 107.3  | 59.5              | 56.9 | ^      | ^      | ^        | ^      | ^                       | ^       | ^     |
| Webster              | 329.9     | 94.4   | 48.1              | 43.9 | ^      | ^      | ^        | ^      | ^                       | ^       | ^     |
| West Baton Rouge     | 391.1     | 114.4  | ^                 | ^    | ^      | ^      | ^        | ^      | ^                       | ^       | ^     |
| West Carroll         | 502.8     | ^      | ^                 | ^    | ^      | ^      | ^        | ^      | ^                       | ^       | ^     |
| West Feliciana       | 266.8     | ^      | ^                 | ^    | ^      | ^      | ^        | ^      | ^                       | ^       | ^     |
| Winn                 | 351.9     | ^      | ^                 | ^    | ^      | ^      | ^        | ^      | ^                       | ^       | ^     |

<sup>1</sup>only invasive cases are included.

<sup>2</sup>Rates per 100,000 person years, age adjusted to the U.S. 2000 standard.

<sup>3</sup>Cases are assigned to the parish of residence, not the parish where diagnosis or treatment took place.

^ Rates are not generated for cells with fewer than 16 cases in five years.

**Table F1. Ten Most Commonly Diagnosed Cancers, 2007-2011: White Males**  
*Average Annual Incidence Rates<sup>1</sup> by Louisiana Tumor Registry Region<sup>2</sup>*

| Primary Site<br>Invasive Cancers <sup>4</sup> | U.S. <sup>3</sup> | Louisiana | New<br>Orleans<br>Region | Baton<br>Rouge<br>Region | Southeast<br>Region | Acadiana<br>Region | Southwest<br>Region | Central<br>Region | Northwest<br>Region | Northeast<br>Region |
|-----------------------------------------------|-------------------|-----------|--------------------------|--------------------------|---------------------|--------------------|---------------------|-------------------|---------------------|---------------------|
| All Sites Combined                            | 532.1             | 578.1 ↑   | 541.0 *                  | 601.8 #                  | 577.5               | 573.2              | 582.2               | 578.7             | 601.9 #             | 566.1               |
| Prostate                                      | 139.9             | 151.5 ↑   | 131.3 *                  | 179.5 #                  | 144.9               | 150.7              | 152.7               | 138.3 *           | 163.6 #             | 132.0 *             |
| Lung and Bronchus                             | 72.4              | 92.3 ↑    | 78.5 *                   | 89.8                     | 87.0                | 91.8               | 99.2                | 113.5 #           | 96.7                | 102.9 #             |
| Colon and Rectum                              | 49.6              | 57.6 ↑    | 52.2 *                   | 58.1                     | 55.1                | 65.2 #             | 53.6                | 61.6              | 58.2                | 59.2                |
| Urinary bladder                               | 39.4              | 38.4      | 38.9                     | 40.7                     | 41.2                | 37.8               | 36.7                | 37.3              | 37.6                | 31.9 *              |
| Kidney and Renal pelvis                       | 21.7              | 27.4 ↑    | 25.5                     | 27.8                     | 31.1 #              | 28.3               | 26.9                | 22.8 *            | 27.2                | 25.8                |
| Non-Hodgkin lymphoma                          | 24.9              | 26.4 ↑    | 30.6 #                   | 23.8                     | 27.5                | 23.4               | 28.1                | 24.2              | 26.5                | 28.7                |
| Melanoma of the skin                          | 32.3              | 26.1 ↓    | 24.1                     | 33.0 #                   | 26.7                | 19.5 *             | 23.0                | 20.7 *            | 28.2                | 28.7                |
| Oral cavity and Pharynx                       | 17.0              | 20.6 ↑    | 21.9                     | 18.3                     | 21.0                | 19.5               | 20.8                | 21.3              | 22.0                | 22.1                |
| Leukemia                                      | 17.5              | 17.1      | 15.4                     | 13.1 *                   | 19.1                | 16.1               | 20.2                | 18.2              | 20.4 #              | 19.1                |
| Pancreas                                      | 14.0              | 14.4      | 13.7                     | 14.2                     | 14.4                | 15.7               | 11.4                | 16.4              | 13.5                | 15.7                |

<sup>1</sup>Rates per 100,000 person-years, age-adjusted to the U.S. 2000 standard. See "Calculating 2005 Rates" in the Introduction.

<sup>2</sup>See Introduction for a list of parishes in LTR regions.

<sup>3</sup>U.S. incidence rate estimates are from the Surveillance, Epidemiology and end Results (SEER) Program of the National Cancer Institute, 18 regions. For a list of the 18 regions, see: <http://seer.cancer.gov/registries/list.html>.

<sup>4</sup>Except for urinary bladder (in situ and invasivw), only invasive cases are included.

↑ or ↓ The Louisiana rate is significantly higher or lower ( $p < 0.05$ ) than the U.S. rate.

\* The regional rate is significantly lower ( $p < 0.05$ ) than the Louisiana rate.

# The regional rate is significantly higher ( $p < 0.05$ ) than the Louisiana rate.

**Table F2. Ten Most Commonly Diagnosed Cancers, 2007-2011: White Females**  
*Average Annual Incidence Rates<sup>1</sup> by Louisiana Tumor Registry Region<sup>2</sup>*

| Primary Site<br>Invasive Cancers | U.S. <sup>3</sup> | Louisiana | New Orleans Region | Baton Rouge Region | Southeast Region | Acadiana Region | Southwest Region | Central Region | Northwest Region | Northeast Region |
|----------------------------------|-------------------|-----------|--------------------|--------------------|------------------|-----------------|------------------|----------------|------------------|------------------|
| All Sites Combined               | 424.4             | 413.1 ↓   | 417.6              | 402.3 *            | 418.7            | 425.6 *         | 418.6            | 394.0 *        | 410.5            | 411.8            |
| Breast                           | 128.0             | 120.3 ↓   | 127.9 #            | 119.9              | 125.3            | 128.3 #         | 117.3            | 97.3 *         | 111.3 *          | 118.9            |
| Lung and Bronchus                | 53.8              | 59.1 ↑    | 58.5               | 53.9 *             | 59.2             | 61.3            | 57.7             | 62.3           | 61.6             | 62.5             |
| Colon and Rectum                 | 37.3              | 40.2 ↑    | 39.4               | 40.5               | 38.3             | 43.8            | 41.1             | 41.6           | 39.5             | 37.4             |
| Thyroid                          | 20.4              | 18.4 ↓    | 16.7               | 15.7 *             | 18.3             | 19.4            | 23.8 #           | 18.7           | 18.8             | 22.0             |
| Non-Hodgkin lymphoma             | 17.2              | 18.2 ↑    | 19.1               | 17.6               | 19.9             | 17.6            | 18.2             | 16.1           | 19.7             | 15.3             |
| Uterus                           | 25.4              | 17.1 ↓    | 19.3               | 15.3               | 15.6             | 16.7            | 19.5             | 16.3           | 17.5             | 18.9             |
| Melanoma of the skin             | 20.0              | 15.6 ↓    | 14.1               | 17.4               | 15.0             | 10.7 *          | 21.1 #           | 13.2           | 17.4             | 19.8 #           |
| Kidney                           | 11.0              | 15.4 ↑    | 14.5               | 16.0               | 15.8             | 17.1            | 15.9             | 15.8           | 13.1             | 14.7             |
| Pancreas                         | 10.7              | 11.3      | 10.3               | 9.4 *              | 12.7             | 12.1            | 13.3             | 12.7           | 10.6             | 11.4             |
| Leukemia                         | 10.7              | 10.5      | 10.5               | 10.6               | 10.8             | 8.8             | 10.7             | 11.6           | 12.4             | 9.5              |

<sup>1</sup>Rates per 100,000 person-years, age-adjusted to the U.S. 2000 standard. See "Calculating 2005 Rates" in the Introduction.

<sup>2</sup>See Introduction for a list of parishes in LTR regions.

<sup>3</sup>U.S. incidence rate estimates are from the Surveillance, Epidemiology and end Results (SEER) Program of the National Cancer Institute, 18 regions. For a list of the 18 regions, see: <http://seer.cancer.gov/registries/list.html>.

↑ or ↓ The Louisiana rate is significantly higher or lower (p < 0.05) than the U.S. rate.

\* The regional rate is significantly lower (p < 0.05) than the Louisiana rate.

# The regional rate is significantly higher (p < 0.05) than the Louisiana rate.

**Table F3. Ten Most Commonly Diagnosed Cancers, 2007-2011: Black Males**  
*Average Annual Incidence Rates<sup>1</sup> by Louisiana Tumor Registry Region<sup>2</sup>*

| Primary Site<br>Invasive Cancers <sup>4</sup> | U.S. <sup>3</sup> | Louisiana | New<br>Orleans<br>Region | Baton<br>Rouge<br>Region | Southeast<br>Region | Acadiana<br>Region | Southwest<br>Region | Central<br>Region | Northwest<br>Region | Northeast<br>Region |
|-----------------------------------------------|-------------------|-----------|--------------------------|--------------------------|---------------------|--------------------|---------------------|-------------------|---------------------|---------------------|
| All Sites Combined                            | 600.9             | 652.1 ↑   | 639.7                    | 670.3                    | 634.5               | 674.7              | 604.8 *             | 697.4             | 666.6 #             | 598.1 *             |
| Prostate                                      | 223.9             | 230.7 ↑   | 210.8 *                  | 264.9 #                  | 218.2               | 202.6 *            | 211.1               | 273.0 #           | 245.6               | 206.2 *             |
| Lung and Bronchus                             | 93.0              | 113.8 ↑   | 114.9                    | 105.6                    | 105.5               | 126.9              | 108.5               | 114.5             | 124.2               | 106.0               |
| Colon and Rectum                              | 62.3              | 73.3 ↑    | 70.7                     | 68.1                     | 73.2                | 87.1 #             | 77.8                | 64.4              | 70.9                | 78.7                |
| Kidney and Renal pelvis                       | 24.7              | 26.0      | 28.0                     | 22.3                     | 26.5                | 28.3               | 28.9                | 18.7              | 27.7                | 27.3                |
| Urinary bladder                               | 21.3              | 21.6      | 27.9 #                   | 18.8                     | 20.8                | 30.3 #             | 18.0                | 27.0              | 15.9 *              | 11.0 *              |
| Stomach                                       | 15.3              | 19.0 ↑    | 17.1                     | 19.7                     | 25.5                | 21.9               | 16.3                | 15.9              | 19.6                | 15.4                |
| Oral cavity and Pharynx                       | 14.7              | 17.7 ↑    | 16.0                     | 18.8                     | 14.9                | 19.8               | 16.5                | 19.3              | 19.7                | 15.0                |
| Non-Hodgkin lymphoma                          | 17.4              | 17.1      | 19.1                     | 20.6                     | 21.4                | 13.1               | 11.1                | 18.0              | 14.1                | 13.8                |
| Liver and Bile Duct                           | 15.6              | 16.0      | 21.4 #                   | 15.7                     | 19.2                | 15.4               | 11.4                | 13.6              | 13.1                | 9.6 *               |
| Pancreas                                      | 17.2              | 16.0      | 12.8                     | 14.8                     | 17.1                | 20.1               | 14.8                | 17.8              | 16.5                | 18.7                |

<sup>1</sup>Rates per 100,000 person-years, age-adjusted to the U.S. 2000 standard. See "Calculating 2005 Rates" in the Introduction.

<sup>2</sup>See Introduction for a list of parishes in LTR regions.

<sup>3</sup>U.S. incidence rate estimates are from the Surveillance, Epidemiology and end Results (SEER) Program of the National Cancer Institute, 18 regions. For a list of the

<sup>4</sup>Except for urinary bladder (in situ and invasive), only invasive cases are included.

↑ or ↓ The Louisiana rate is significantly higher or lower ( $p < 0.05$ ) than the U.S. rate.

\* The regional rate is significantly lower ( $p < 0.05$ ) than the Louisiana rate.

# The regional rate is significantly higher ( $p < 0.05$ ) than the Louisiana rate.

**Table F4. Ten Most Commonly Diagnosed Cancers, 2007-2011: Black Females**  
*Average Annual Incidence Rates<sup>1</sup> by Louisiana Tumor Registry Region<sup>2</sup>*

| Primary Site<br>Invasive Cancers | U.S. <sup>3</sup> | Louisiana | New<br>Orleans<br>Region | Baton<br>Rouge<br>Region | Southeast<br>Region | Acadiana<br>Region | Southwest<br>Region | Central<br>Region | Northwest<br>Region | Northeast<br>Region |
|----------------------------------|-------------------|-----------|--------------------------|--------------------------|---------------------|--------------------|---------------------|-------------------|---------------------|---------------------|
| All Sites Combined               | 398.8             | 415.4 ↑   | 419.8                    | 422.9                    | 424.1               | 426.3              | 436.2               | 414.8             | 393.4 *             | 393.6               |
| Breast                           | 122.8             | 126.6     | 137.5 #                  | 132.5                    | 133.2               | 117.2              | 120.0               | 114.6             | 117.2               | 118.7               |
| Colon and Rectum                 | 47.5              | 52.8 ↑    | 47.1                     | 56.0                     | 46.6                | 59.7               | 63.2                | 53.0              | 50.4                | 54.8                |
| Lung and Bronchus                | 51.2              | 52.7      | 56.6                     | 48.4                     | 56.6                | 61.6 #             | 67.5 #              | 57.9              | 40.3                | 49.5 *              |
| Uterus                           | 23.2              | 19.4 ↓    | 18.7                     | 21.0                     | 14.4                | 17.6               | 14.7                | 15.4              | 24.4 #              | 20.9                |
| Kidney                           | 12.7              | 15.8 ↑    | 13.4                     | 16.5                     | 18.1                | 21.3 #             | 17.7                | 17.0              | 14.1                | 11.9                |
| Pancreas                         | 14.2              | 14.2      | 10.6 *                   | 17.6 #                   | 17.6                | 14.0               | 15.7                | 16.5              | 12.0                | 14.0                |
| Cervix                           | 9.4               | 12.2 ↑    | 12.1                     | 11.3                     | 9.3                 | 9.8                | 16.4                | 10.8              | 15.7                | 13.1                |
| Non-Hodgkin lymphoma             | 11.9              | 12.2      | 14.1                     | 11.1                     | 12.6                | 12.1               | 11.5                | 17.3              | 9.6                 | 10.3                |
| Stomach                          | 8.5               | 10.6 ↑    | 10.3                     | 8.4                      | 14.5                | 11.9               | ^                   | 13                | 12.1                | 6.9                 |
| Ovary                            | 9.8               | 9.6       | 9.6                      | 10.7                     | 5.7 *               | 10.1               | 11.8                | 8.5               | 10.0                | 8.7                 |

<sup>1</sup>Rates per 100,000 person-years, age-adjusted to the U.S. 2000 standard. See "Calculating 2005 Rates" in the Introduction.

<sup>2</sup>See Introduction for a list of parishes in LTR regions.

<sup>3</sup>U.S. incidence rate estimates are from the Surveillance, Epidemiology and end Results (SEER) Program of the National Cancer Institute, 18 regions. For a list of the 18  
 ↑ or ↓ The Louisiana rate is significantly higher or lower (p < 0.05) than the U.S. rate.

\* The regional rate is significantly lower (p < 0.05) than the Louisiana rate.

# The regional rate is significantly higher (p < 0.05) than the Louisiana rate.

**Table G1. Ten Most Commonly Diagnosed Cancers, 2007-2011: White Males**  
*Average Annual Incidence Rates<sup>1</sup> by Louisiana Office of Public Health Regions<sup>2</sup>*

| Primary Site<br>Invasive Cancers <sup>4</sup> | U.S. <sup>3</sup> | Louisiana | New Orleans<br>Region | Baton Rouge<br>Region | Southeast<br>Region | Acadiana<br>Region | Southwest<br>Region | Central<br>Region | Northwest<br>Region | Northeast<br>Region | North Lake<br>Region |
|-----------------------------------------------|-------------------|-----------|-----------------------|-----------------------|---------------------|--------------------|---------------------|-------------------|---------------------|---------------------|----------------------|
| All Sites Combined                            | 532.1             | 578.1 ↑   | 540.2 *               | 602.3 #               | 564.2               | 573.2              | 582.2               | 578.7             | 601.9 #             | 566.1               | 599.9 #              |
| Prostate                                      | 139.9             | 151.5 ↑   | 131.7 *               | 196.3 #               | 138.7 *             | 151.2              | 152.7               | 138.3 *           | 163.6 #             | 132.0 *             | 151.3                |
| Lung and Bronchus                             | 72.4              | 92.3 ↑    | 77.5 *                | 77.7 *                | 91.5                | 91.8               | 99.2                | 113.5 #           | 96.7                | 102.9 #             | 97.5                 |
| Colon and Rectum                              | 49.6              | 57.6 ↑    | 51.9 *                | 54.6                  | 60.8                | 64.6 #             | 53.6                | 61.6              | 58.2                | 59.2                | 58.0                 |
| Urinary bladder                               | 39.4              | 38.4      | 39.6                  | 43.3 #                | 37.7                | 38.6               | 36.7                | 37.3              | 37.6                | 31.9 *              | 38.9                 |
| Kidney and Renal pelvis                       | 21.7              | 27.4 ↑    | 25.7                  | 26.8                  | 28.7                | 28.4               | 26.9                | 22.8 *            | 27.2                | 25.8                | 32.0 #               |
| Non-Hodgkin lymphoma                          | 24.9              | 26.4 ↑    | 30.3 #                | 22.9                  | 26.8                | 22.8 *             | 28.1                | 24.2              | 26.5                | 28.7                | 27.5                 |
| Melanoma of the skin                          | 32.3              | 26.1 ↓    | 24.0 *                | 36.7 #                | 18.4 *              | 20.1               | 23.0                | 20.7 *            | 28.2                | 28.7                | 31.0                 |
| Oral cavity and Pharynx                       | 17.0              | 20.6 ↑    | 21.9                  | 18.9                  | 20.6                | 19.3               | 20.8                | 21.3              | 22.0                | 22.1                | 19.3                 |
| Leukemia                                      | 17.5              | 17.1      | 15.3                  | 12.5 *                | 17.4                | 15.7               | 20.2                | 18.2              | 20.4 #              | 19.1                | 18.4                 |
| Pancreas                                      | 14.0              | 14.4      | 13.6                  | 13.3                  | 15.9                | 15.7               | 11.4                | 16.4              | 13.5                | 15.7                | 14.3                 |

<sup>1</sup>Rates per 100,000 person-years, age-adjusted to the U.S. 2000 standard.

<sup>2</sup>Parishes for each OPH region listed in Appendix A

<sup>3</sup>U.S. incidence rate estimates are from the Surveillance, Epidemiology and end Results (SEER) Program of the National Cancer Institute, 18 regions. For a list of the 18 regions, see: <http://seer.cancer.gov/registries/list.html>.

<sup>4</sup>Except for urinary bladder (in situ and invasivw), only invasive cases are included.

↑ or ↓ The state rate is significantly higher or lower ( $p < 0.05$ ) than the U.S. rate.

\* The regional rate is significantly lower ( $p < 0.05$ ) than the Louisiana rate.

# The regional rate is significantly higher ( $p < 0.05$ ) than the Louisiana rate.

**Table G2. Ten Most Commonly Diagnosed Cancers, 2007-2011: White Females**  
*Average Annual Incidence Rates<sup>1</sup> by Louisiana Office of Public Health Regions<sup>2</sup>*

| Primary Site<br>Invasive Cancers | U.S. <sup>3</sup> | Louisiana | New Orleans Region | Baton Rouge Region | Southeast Region | Acadiana Region | Southwest Region | Central Region | Northwest Region | Northeast Region | North Lake Region |
|----------------------------------|-------------------|-----------|--------------------|--------------------|------------------|-----------------|------------------|----------------|------------------|------------------|-------------------|
| All Sites Combined               | 424.4             | 413.1 ↓   | 415.3              | 400.9              | 399.5            | 426.8 #         | 418.6            | 394.0 *        | 410.5            | 411.8            | 427.0 #           |
| Breast                           | 128.0             | 120.3 ↓   | 127.7 #            | 124.1              | 117.4            | 129.5 #         | 117.3            | 97.3 *         | 111.3 *          | 118.9            | 123.5             |
| Lung and Bronchus                | 53.8              | 59.1 ↑    | 58.4               | 53.0 *             | 57.1             | 61.2            | 57.7             | 62.3           | 61.6             | 62.5             | 59.4              |
| Colon and Rectum                 | 37.3              | 40.2 ↑    | 39.3               | 38.0               | 38.8             | 44.4 #          | 41.1             | 41.6           | 39.5             | 37.4             | 41.2              |
| Thyroid                          | 20.4              | 18.4 ↓    | 16.5               | 15.2 *             | 15.9             | 19.0            | 23.8 #           | 18.7           | 18.8             | 22.0             | 19.7              |
| Non-Hodgkin lymphoma             | 17.2              | 18.2 ↑    | 18.9               | 17.6               | 20.5             | 17.5            | 18.2             | 16.1           | 19.7             | 15.3             | 18.7              |
| Uterus                           | 25.4              | 17.1 ↓    | 19.2               | 15.2               | 15.3             | 16.9            | 19.5             | 16.3           | 17.5             | 18.9             | 15.6              |
| Melanoma of the skin             | 20.0              | 15.6 ↓    | 13.8               | 18.2               | 11.8 *           | 10.5 *          | 21.1 #           | 13.2           | 17.4             | 19.8 #           | 18.1              |
| Kidney                           | 11.0              | 15.4 ↑    | 14.4               | 15.1               | 15.1             | 17.4            | 15.9             | 15.8           | 13.1             | 14.7             | 17.1              |
| Pancreas                         | 10.7              | 11.3      | 10.3               | 9.2 *              | 11.7             | 12.1            | 13.3             | 12.7           | 10.6             | 11.4             | 12.1              |
| Leukemia                         | 10.7              | 10.5      | 10.6               | 11.6               | 9.0              | 8.8             | 10.7             | 11.6           | 12.4             | 9.5              | 10.8              |

<sup>1</sup>Rates per 100,000 person-years, age-adjusted to the U.S. 2000 standard.

<sup>2</sup>Parishes for each OPH region listed in Appendix A

<sup>3</sup>U.S. incidence rate estimates are from the Surveillance, Epidemiology and end Results (SEER) Program of the National Cancer Institute, 18 regions. For a list of the 18 regions, see: <http://seer.cancer.gov/registries/list.html>.

↑ or ↓ The state rate is significantly higher or lower (p < 0.05) than the U.S. rate.

\* The regional rate is significantly lower (p < 0.05) than the Louisiana rate.

# The regional rate is significantly higher (p < 0.05) than the Louisiana rate.



**Table G3. Ten Most Commonly Diagnosed Cancers, 2007-2011: Black Males**  
*Average Annual Incidence Rates<sup>1</sup> by Louisiana Office of Public Health Regions<sup>2</sup>*

| Primary Site<br>Invasive Cancers <sup>4</sup> | U.S. <sup>3</sup> | Louisiana | New Orleans<br>Region | Baton Rouge<br>Region | Southeast<br>Region | Acadiana<br>Region | Southwest<br>Region | Central<br>Region | Northwest<br>Region | Northeast<br>Region | North Lake<br>Region |
|-----------------------------------------------|-------------------|-----------|-----------------------|-----------------------|---------------------|--------------------|---------------------|-------------------|---------------------|---------------------|----------------------|
| All Sites Combined                            | 600.9             | 652.1 ↑   | 640.4                 | 674.1                 | 639.8               | 684.5              | 604.8 *             | 697.4             | 666.6               | 598.1 *             | 631.1                |
| Prostate                                      | 223.9             | 230.7 ↑   | 209.8 *               | 266.7 #               | 215.6               | 200.5 *            | 211.1               | 273.0 #           | 245.6               | 206.2 *             | 249.7                |
| Lung and Bronchus                             | 93.0              | 113.8 ↑   | 114.9                 | 103.5                 | 104.6               | 129.7 #            | 108.5               | 114.5             | 124.2               | 106.0               | 112.0                |
| Colon and Rectum                              | 62.3              | 73.3 ↑    | 71.4                  | 68.2                  | 77.2                | 88.5 #             | 77.8                | 64.4              | 70.9                | 78.7                | 63.6                 |
| Kidney and Renal pelvis                       | 24.7              | 26.0      | 28.8                  | 22.8                  | 25.7                | 27.6               | 28.9                | 18.7              | 27.7                | 27.3                | 22.2                 |
| Urinary bladder                               | 21.3              | 21.6      | 28.0 #                | 19.4                  | 22.3                | 31.0 #             | 18.0                | 27.0              | 15.9 *              | 11.0 *              | 16.6                 |
| Stomach                                       | 15.3              | 19.0 ↑    | 17.9                  | 19.1                  | 24.6                | 22.5               | 16.3                | 15.9              | 19.6                | 15.4                | 20.0                 |
| Oral cavity and Pharynx                       | 14.7              | 17.7 ↑    | 16.1                  | 18.2                  | 16.3                | 21.6               | 16.5                | 19.3              | 19.7                | 15.0                | 15.3                 |
| Non-Hodgkin lymphoma                          | 17.4              | 17.1      | 18.9                  | 21.5                  | 19.7                | 13.7               | 11.1                | 18.0              | 14.1                | 13.8                | 18.2                 |
| Liver and Bile Duct                           | 15.6              | 16.0      | 21.2 #                | 16.6                  | 17.2                | 17.1               | 11.4                | 13.6              | 13.1                | 9.6 *               | 13.9                 |
| Pancreas                                      | 17.2              | 16.0      | 13.0                  | 14.7                  | 16.7                | 20.3               | 14.8                | 17.8              | 16.5                | 18.7                | 17.0                 |

<sup>1</sup>Rates per 100,000 person-years, age-adjusted to the U.S. 2000 standard.

<sup>2</sup>Parishes for each OPH region listed in Appendix A

<sup>3</sup>U.S. incidence rate estimates are from the Surveillance, Epidemiology and end Results (SEER) Program of the National Cancer Institute, 18 regions. For a list of the 18 regions, see: <http://seer.cancer.gov/registries/list.html>.

<sup>4</sup>Except for urinary bladder (in situ and invasivw), only invasive cases are included.

↑ or ↓ The state rate is significantly higher or lower (p < 0.05) than the U.S. rate.

\* The regional rate is significantly lower (p < 0.05) than the Louisiana rate.

# The regional rate is significantly higher (p < 0.05) than the Louisiana rate.

**Table G4. Ten Most Commonly Diagnosed Cancers, 2007-2011: Black Females**  
*Average Annual Incidence Rates<sup>1</sup> by Louisiana Office of Public Health Regions<sup>2</sup>*

| Primary Site<br>Invasive Cancers | U.S. <sup>3</sup> | Louisiana | New Orleans Region | Baton Rouge Region | Southeast Region | Acadiana Region | Southwest Region | Central Region | Northwest Region | Northeast Region | North Lake Region |
|----------------------------------|-------------------|-----------|--------------------|--------------------|------------------|-----------------|------------------|----------------|------------------|------------------|-------------------|
| All Sites Combined               | 398.8             | 415.4 ↑   | 422.0              | 422.0              | 413.2            | 424.8           | 436.2            | 414.8          | 393.4 *          | 393.6            | 434.2             |
| Breast                           | 122.8             | 126.6     | 138.3 #            | 135.8              | 124.9            | 119.2           | 120.0            | 114.6          | 117.2            | 118.7            | 122.4             |
| Colon and Rectum                 | 47.5              | 52.8 ↑    | 47.0 *             | 55.6               | 49.8             | 59.3            | 63.2             | 53.0           | 50.4             | 54.8             | 53.5              |
| Lung and Bronchus                | 51.2              | 52.7      | 57.0               | 46.2               | 54.0             | 63.0 #          | 67.5 #           | 57.9           | 40.3             | 49.5 *           | 58.3              |
| Uterus                           | 23.2              | 19.4 ↓    | 18.8               | 21.0               | 15.0             | 17.7            | 14.7             | 15.4           | 24.4 #           | 20.9             | 17.2              |
| Kidney                           | 12.7              | 15.8 ↑    | 13.7               | 16.2               | 18.2             | 20.1            | 17.7             | 17.0           | 14.1             | 11.9             | 20.3              |
| Pancreas                         | 14.2              | 14.2      | 10.7 *             | 17.2               | 15.3             | 13.8            | 15.7             | 16.5           | 12.0             | 14.0             | 21.2 #            |
| Cervix                           | 9.4               | 12.2 ↑    | 12.1               | 11.3               | 10.2             | 9.3             | 16.4             | 10.8           | 15.7             | 13.1             | 10.4              |
| Non-Hodgkin lymphoma             | 11.9              | 12.2      | 14.2               | 10.6               | 10.5             | 11.0            | 11.5             | 17.3           | 9.6              | 10.3             | 16.9              |
| Stomach                          | 8.5               | 10.6 ↑    | 10.2               | 9                  | 12.1             | 11.9            | ^                | 13             | 12.1             | 6.9              | 11.9              |
| Ovary                            | 9.8               | 9.6       | 9.7                | 10.5               | 6.6              | 10.4            | 11.8             | 8.5            | 10.0             | 8.7              | 8.4               |

<sup>1</sup>Rates per 100,000 person-years, age-adjusted to the U.S. 2000 standard.

<sup>2</sup>Parishes for each OPH region listed in Appendix A

<sup>3</sup>U.S. incidence rate estimates are from the Surveillance, Epidemiology and end Results (SEER) Program of the National Cancer Institute, 18 regions. For a list of the 18 regions, see: <http://seer.cancer.gov/registries/list.html>.

↑ or ↓ The state rate is significantly higher or lower (p < 0.05) than the U.S. rate.

\* The regional rate is significantly lower (p < 0.05) than the Louisiana rate.

# The regional rate is significantly higher (p < 0.05) than the Louisiana rate.

^ Rates are not calculated if fewer than 16 cases are diagnosed during the five-year period.

**Table H1. Number of Children and Adolescents Cancers<sup>1</sup>, 2007-2011 Combined, Louisiana**

| ICCC <sup>2</sup> Primary Site                           | All Races |      |       | Whites |      |       | Blacks |      |       |
|----------------------------------------------------------|-----------|------|-------|--------|------|-------|--------|------|-------|
|                                                          | Total     | Boys | Girls | Total  | Boys | Girls | Total  | Boys | Girls |
| All sites combined                                       | 1,160     | 614  | 546   | 771    | 396  | 375   | 356    | 198  | 158   |
| Leukemias, myeloproliferative & myelodysplastic diseases | 254       | 136  | 118   | 181    | 88   | 93    | 67     | 43   | 24    |
| Lymphomas and reticuloendothelial neoplasms              | 142       | 91   | 51    | 78     | 51   | 27    | 60     | 37   | 23    |
| CNS and misc intracranial and intraspinal neoplasms      | 286       | 138  | 148   | 194    | 95   | 99    | 82     | 39   | 43    |
| Neuroblastoma and other peripheral nervous cell tumors   | 49        | 26   | 23    | 33     | 18   | 15    | 16     | 8    | 8     |
| Retinoblastoma                                           | 18        | 8    | 10    | 12     | 5    | 7     | 6      | 3    | 3     |
| Renal tumors                                             | 31        | 17   | 14    | 19     | 11   | 8     | 10     | 5    | 5     |
| Hepatic tumors                                           | 13        | 9    | 4     | 9      | 7    | 2     | 3      | 1    | 2     |
| Malignant bone tumors                                    | 59        | 30   | 29    | 35     | 12   | 23    | 23     | 17   | 6     |
| Soft tissue and other extraosseous sarcomas              | 84        | 44   | 40    | 47     | 22   | 25    | 35     | 21   | 14    |
| Germ cell & trophoblastic tumors & neoplasms of gonads   | 57        | 36   | 21    | 39     | 29   | 10    | 16     | 5    | 11    |
| Other malignant epithelial neoplasms and melanomas       | 117       | 50   | 67    | 88     | 36   | 52    | 27     | 14   | 13    |
| Other and unspecified malignant neoplasms                | 7         | 3    | 4     | 4      | 2    | 2     | 3      | 1    | 2     |
| Not classified by ICCC or in situ                        | 43        | 26   | 17    | 32     | 20   | 12    | 8      | 4    | 4     |

<sup>1</sup>Children and adolescents cancers include patients aged 0-19 years.

<sup>2</sup>ICCC: International Classification of Childhood Cancer. <http://seer.cancer.gov/iccc/iccc-who2008.html>

**Table H2. Percent Distribution of Children and Adolescents Cancers<sup>1</sup>, 2007-2011 Combined, Louisiana**

| ICCC <sup>2</sup> Primary Site                           | All Races |       |       | Whites |       |       | Blacks |       |       |
|----------------------------------------------------------|-----------|-------|-------|--------|-------|-------|--------|-------|-------|
|                                                          | Total     | Boys  | Girls | Total  | Boys  | Girls | Total  | Boys  | Girls |
| All sites combined                                       | 100.0     | 100.0 | 100.0 | 100.0  | 100.0 | 100.0 | 100.0  | 100.0 | 100.0 |
| Leukemias, myeloproliferative & myelodysplastic diseases | 21.9      | 22.1  | 21.6  | 23.5   | 22.2  | 24.8  | 18.8   | 21.7  | 15.2  |
| Lymphomas and reticuloendothelial neoplasms              | 12.2      | 14.8  | 9.3   | 10.1   | 12.9  | 7.2   | 16.9   | 18.7  | 14.6  |
| CNS and misc intracranial and intraspinal neoplasms      | 24.7      | 22.5  | 27.1  | 25.2   | 24.0  | 26.4  | 23.0   | 19.7  | 27.2  |
| Neuroblastoma and other peripheral nervous cell tumors   | 4.2       | 4.2   | 4.2   | 4.3    | 4.5   | 4.0   | 4.5    | 4.0   | 5.1   |
| Retinoblastoma                                           | 1.6       | 1.3   | 1.8   | 1.6    | 1.3   | 1.9   | 1.7    | 1.5   | 1.9   |
| Renal tumors                                             | 2.7       | 2.8   | 2.6   | 2.5    | 2.8   | 2.1   | 2.8    | 2.5   | 3.2   |
| Hepatic tumors                                           | 1.1       | 1.5   | 0.7   | 1.2    | 1.8   | 0.5   | 0.8    | 0.5   | 1.3   |
| Malignant bone tumors                                    | 5.1       | 4.9   | 5.3   | 4.5    | 3.0   | 6.1   | 6.5    | 8.6   | 3.8   |
| Soft tissue and other extraosseous sarcomas              | 7.2       | 7.2   | 7.3   | 6.1    | 5.6   | 6.7   | 9.8    | 10.6  | 8.9   |
| Germ cell & trophoblastic tumors & neoplasms of gonads   | 4.9       | 5.9   | 3.8   | 5.1    | 7.3   | 2.7   | 4.5    | 2.5   | 7.0   |
| Other malignant epithelial neoplasms and melanomas       | 10.1      | 8.1   | 12.3  | 11.4   | 9.1   | 13.9  | 7.6    | 7.1   | 8.2   |
| Other and unspecified malignant neoplasms                | 0.6       | 0.5   | 0.7   | 0.5    | 0.5   | 0.5   | 0.8    | 0.5   | 1.3   |
| Not classified by ICCC or in situ                        | 3.7       | 4.2   | 3.1   | 4.2    | 5.1   | 3.2   | 2.2    | 2.0   | 2.5   |

<sup>1</sup>Children and adolescents cancers include patients aged 0-19 years.

<sup>2</sup>ICCC: International Classification of Childhood Cancer. <http://seer.cancer.gov/iccc/iccc-who2008.html>

**Table H3. Average Annual Cancer Incidence Rates<sup>1</sup> of Children and Adolescents Cancers<sup>2</sup>, 2007-2011, Louisiana**

| ICCC <sup>3</sup> Primary Site                           | All Races |      |       | Whites |      |       | Blacks |      |       |
|----------------------------------------------------------|-----------|------|-------|--------|------|-------|--------|------|-------|
|                                                          | Total     | Boys | Girls | Total  | Boys | Girls | Total  | Boys | Girls |
| Leukemias, myeloproliferative & myelodysplastic diseases | 40.5      | 42.6 | 38.3  | 49.9   | 47.5 | 52.5  | 27.0   | 34.2 | 19.5  |
| Lymphomas and reticuloendothelial neoplasms              | 22.6      | 28.5 | 16.5  | 21.4   | 27.4 | 15.1  | 24.4   | 29.8 | 18.8  |
| CNS and misc intracranial and intraspinal neoplasms      | 45.8      | 43.4 | 48.4  | 53.8   | 51.4 | 56.3  | 33.3   | 31.2 | 35.4  |
| Neuroblastoma and other peripheral nervous cell tumors   | 7.7       | 8.0  | 7.4   | 9.0    | 9.6  | ^     | 6.4    | ^    | ^     |
| Retinoblastoma                                           | 2.8       | ^    | ^     | ^      | ^    | ^     | ^      | ^    | ^     |
| Renal tumors                                             | 4.9       | 5.3  | ^     | 5.2    | ^    | ^     | ^      | ^    | ^     |
| Hepatic tumors                                           | ^         | ^    | ^     | ^      | ^    | ^     | ^      | ^    | ^     |
| Malignant bone tumors                                    | 9.6       | 9.5  | 9.7   | 9.8    | ^    | 13.3  | 9.4    | 13.6 | ^     |
| Soft tissue and other extraosseous sarcomas              | 13.4      | 13.8 | 13.0  | 12.9   | 11.9 | 14.1  | 14.1   | 16.7 | ^     |
| Germ cell & trophoblastic tumors & neoplasms of gonads   | 9.0       | 11.1 | 6.8   | 10.7   | 15.5 | ^     | 6.3    | ^    | ^     |
| Other malignant epithelial neoplasms and melanomas       | 18.6      | 15.6 | 21.6  | 24.2   | 19.4 | 29.3  | 10.7   | ^    | ^     |
| Other and unspecified malignant neoplasms                | ^         | ^    | ^     | ^      | ^    | ^     | ^      | ^    | ^     |
| Not classified by ICCC or in situ                        | 6.9       | 8.3  | 5.5   | 8.9    | 11.0 | ^     | ^      | ^    | ^     |

<sup>1</sup>Rates are per 1,000,000 and age-adjusted to the 2000 US Standard Population.

<sup>2</sup>Children and adolescents cancers include patients aged 0-19 years.

<sup>3</sup>ICCC: International Classification of Childhood Cancer. <http://seer.cancer.gov/iccc/iccc-who2008.html>

^Statistic not displayed due to fewer than 16 cases.

**Table I1. Average Annual Number of Cancer Deaths by Site, Race, and Sex, 2007-2011, Louisiana**

| Primary Site                      | All Races |       |         | Whites |       |         | Blacks |       |         |
|-----------------------------------|-----------|-------|---------|--------|-------|---------|--------|-------|---------|
|                                   | Total     | Males | Females | Total  | Males | Females | Total  | Males | Females |
| All Sites Combined                | 9093      | 4918  | 4176    | 6362   | 3433  | 2929    | 2664   | 1445  | 1219    |
| Oral Cavity and Pharynx           | 157       | 117   | 39      | 108    | 77    | 31      | 48     | 39    | 8       |
| Lip                               | ^         | ^     | ^       | ^      | ^     | ^       | ^      | ^     | ^       |
| Tongue                            | 30        | 19    | 11      | 21     | 13    | 8       | 8      | 6     | 3       |
| Salivary Gland                    | 7         | 5     | 2       | 5      | 3     | 2       | ^      | ^     | ^       |
| Floor of Mouth                    | ^         | ^     | ^       | ^      | ^     | ^       | ^      | ^     | ^       |
| Gum and Other Mouth               | 20        | 13    | 7       | 16     | 9     | 6       | 5      | 4     | ^       |
| Nasopharynx                       | 10        | 8     | 3       | 7      | 5     | 2       | 3      | 3     | ^       |
| Tonsil                            | 15        | 13    | ^       | 10     | 9     | ^       | 4      | 4     | ^       |
| Oropharynx                        | 12        | 10    | 2       | 8      | 7     | ^       | 4      | 4     | ^       |
| Hypopharynx                       | 3         | 3     | ^       | ^      | ^     | ^       | ^      | ^     | ^       |
| Other                             | 57        | 46    | 12      | 38     | 28    | 9       | 20     | 17    | 3       |
| Digestive System                  | 2325      | 1334  | 991     | 1543   | 893   | 650     | 757    | 429   | 329     |
| Esophagus                         | 206       | 161   | 45      | 148    | 117   | 31      | 57     | 43    | 14      |
| Stomach                           | 214       | 130   | 84      | 106    | 69    | 37      | 103    | 59    | 44      |
| Small Intestine                   | 18        | 10    | 9       | 11     | 7     | 5       | 7      | 3     | 4       |
| Colon and Rectum                  | 865       | 464   | 400     | 571    | 307   | 264     | 288    | 155   | 134     |
| Colon                             | 717       | 380   | 337     | 474    | 255   | 219     | 240    | 124   | 116     |
| Rectum and Rectosigmoid Junction  | 147       | 84    | 63      | 97     | 52    | 45      | 48     | 30    | 18      |
| Anus, Anal Canal and Anorectum    | 11        | 6     | 5       | 9      | 4     | 4       | 3      | 2     | ^       |
| Liver and Intrahepatic Bile Duct  | 360       | 247   | 112     | 232    | 159   | 73      | 121    | 84    | 37      |
| Liver                             | 321       | 227   | 93      | 204    | 144   | 60      | 111    | 79    | 32      |
| Intrahepatic Bile Duct            | 39        | 20    | 19      | 29     | 15    | 13      | 10     | 4     | 5       |
| Gallbladder                       | 29        | 10    | 19      | 18     | 7     | 11      | 10     | 3     | 7       |
| Other Biliary Tract               | 19        | 10    | 8       | 14     | 8     | 6       | 5      | 2     | 2       |
| Pancreas                          | 580       | 285   | 295     | 416    | 209   | 207     | 158    | 74    | 84      |
| Retroperitoneum                   | 2         | ^     | ^       | ^      | ^     | ^       | ^      | ^     | ^       |
| Peritoneum, Omentum and Mesentery | 10        | 2     | 8       | 9      | ^     | 7       | ^      | ^     | ^       |
| Other                             | 12        | 7     | 5       | 7      | 4     | 4       | 4      | 3     | ^       |
| Respiratory System                | 2777      | 1646  | 1130    | 2004   | 1150  | 854     | 753    | 483   | 270     |
| Nose, Nasal Cavity and Middle Ear | 7         | 4     | 3       | 5      | 3     | 2       | 2      | ^     | ^       |
| Larynx                            | 67        | 52    | 15      | 43     | 32    | 11      | 24     | 20    | 4       |
| Lung and Bronchus                 | 2694      | 1584  | 1110    | 1950   | 1111  | 839     | 725    | 461   | 264     |
| Pleura                            | 3         | ^     | ^       | ^      | ^     | ^       | ^      | ^     | ^       |
| Trachea and Other                 | 5         | 4     | ^       | 4      | 3     | ^       | ^      | ^     | ^       |
| Bones and Joints                  | 32        | 20    | 13      | 23     | 13    | 10      | 9      | 6     | 3       |
| Soft Tissue (Incl. heart)         | 58        | 29    | 29      | 40     | 20    | 20      | 17     | 8     | 9       |
| Skin (Excl. basal and squamous)   | 136       | 92    | 44      | 124    | 84    | 40      | 12     | 8     | 4       |
| Melanoma of the Skin              | 98        | 65    | 33      | 93     | 63    | 30      | 5      | 3     | 3       |
| Other Non Epithelial Skin         | 38        | 27    | 12      | 31     | 21    | 10      | 7      | 5     | ^       |
| Breast                            | 652       | 7     | 645     | 412    | 4     | 408     | 236    | 3     | 234     |
| Female Genital System             | 382       | --    | 382     | 260    | --    | 260     | 120    | --    | 120     |
| Cervix Uteri                      | 76        | --    | 76      | 41     | --    | 41      | 34     | --    | 34      |
| Corpus and Uterus, NOS            | 92        | --    | 92      | 55     | --    | 55      | 37     | --    | 37      |
| Corpus Uteri                      | 39        | --    | 39      | 23     | --    | 23      | 16     | --    | 16      |
| Uterus, NOS                       | 53        | --    | 53      | 32     | --    | 32      | 21     | --    | 21      |
| Ovary                             | 188       | --    | 188     | 144    | --    | 144     | 43     | --    | 43      |
| Vagina                            | 9         | --    | 9       | 6      | --    | 6       | 3      | --    | 3       |
| Vulva                             | 11        | --    | 11      | 10     | --    | 10      | ^      | --    | ^       |
| Other                             | 6         | --    | 6       | 4      | --    | 4       | ^      | --    | ^       |
| Male Genital System               | 429       | 429   | --      | 259    | 259   | --      | 168    | 168   | --      |
| Prostate                          | 421       | 421   | --      | 252    | 252   | --      | 167    | 167   | --      |
| Testis                            | 4         | 4     | --      | 4      | 4     | --      | ^      | ^     | --      |
| Penis                             | 3         | 3     | --      | 2      | 2     | --      | ^      | ^     | --      |
| Other                             | ^         | ^     | --      | ^      | ^     | --      | ^      | ^     | --      |
| Urinary System                    | 430       | 272   | 158     | 327    | 215   | 112     | 102    | 57    | 45      |
| Urinary Bladder (Incl. In Situ)   | 182       | 123   | 60      | 148    | 105   | 43      | 34     | 18    | 16      |
| Kidney and Renal Pelvis           | 237       | 144   | 94      | 172    | 106   | 66      | 64     | 37    | 27      |

|                                  |     |     |     |     |     |     |     |     |    |
|----------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|----|
| Ureter                           | 4   | ^   | 2   | 3   | ^   | 2   | ^   | ^   | ^  |
| Other                            | 7   | 4   | 3   | 4   | 3   | ^   | 3   | ^   | ^  |
| Eye and Orbit                    | 3   | ^   | 2   | 3   | ^   | 2   | ^   | ^   | ^  |
| Brain and Nervous System         | 196 | 108 | 88  | 158 | 89  | 70  | 37  | 19  | 18 |
| Endocrine System                 | 36  | 16  | 19  | 26  | 12  | 14  | 9   | 4   | 5  |
| Thyroid                          | 21  | 8   | 13  | 17  | 7   | 10  | 4   | ^   | 3  |
| Thymus and Other Endocrine       | 14  | 8   | 6   | 9   | 5   | 4   | 5   | 3   | 2  |
| Lymphoma                         | 315 | 178 | 137 | 255 | 142 | 113 | 58  | 35  | 23 |
| Hodgkin Lymphoma                 | 22  | 12  | 10  | 16  | 8   | 8   | 6   | 4   | 2  |
| Non Hodgkin lymphoma             | 294 | 166 | 128 | 239 | 133 | 106 | 52  | 31  | 21 |
| Multiple Myeloma                 | 172 | 94  | 77  | 99  | 54  | 45  | 72  | 39  | 33 |
| Leukemia                         | 327 | 187 | 140 | 248 | 145 | 102 | 78  | 41  | 37 |
| Lymphocytic                      | 79  | 46  | 33  | 62  | 35  | 27  | 17  | 11  | 7  |
| Acute Lymphocytic                | 18  | 10  | 7   | 13  | 8   | 5   | 4   | 3   | ^  |
| Chronic Lymphocytic              | 53  | 31  | 23  | 42  | 24  | 18  | 12  | 7   | 5  |
| Other                            | 8   | 5   | 4   | 7   | 4   | 3   | ^   | ^   | ^  |
| Myeloid and Monocytic Leukemia   | 133 | 75  | 58  | 101 | 58  | 43  | 31  | 16  | 15 |
| Acute Myeloid Leukemia           | 106 | 60  | 46  | 82  | 46  | 36  | 24  | 13  | 11 |
| Acute Monocytic Leukemia         | ^   | ^   | ^   | ^   | ^   | ^   | ^   | ^   | ^  |
| Chronic Myeloid Leukemia         | 17  | 10  | 7   | 12  | 8   | 4   | 5   | 2   | 2  |
| Other Myeloid/Monocytic Leukemia | 10  | 5   | 5   | 7   | 4   | 3   | 2   | ^   | ^  |
| Other Leukemia                   | 115 | 67  | 49  | 85  | 52  | 32  | 30  | 14  | 16 |
| Other Acute Leukemia             | 25  | 13  | 12  | 20  | 11  | 9   | 4   | 2   | 2  |
| Aleukemic, Subleukemic and NOS   | 90  | 53  | 37  | 64  | 41  | 23  | 25  | 12  | 14 |
| III-Defined and Unknown Sites    | 667 | 387 | 280 | 473 | 275 | 198 | 186 | 106 | 80 |

^ The NCI does not present counts for cells smaller than 10.

-- Not applicable.

**Table I2. Percent Distribution of Cancer Deaths by Site, Race, and Sex, 2007-2011, Louisiana**

| Primary Site                      | All Races |       |         | Whites |       |         | Blacks |       |         |
|-----------------------------------|-----------|-------|---------|--------|-------|---------|--------|-------|---------|
|                                   | Total     | Males | Females | Total  | Males | Females | Total  | Males | Females |
| All Sites Combined                | 100.0     | 100.0 | 100.0   | 100.0  | 100.0 | 100.0   | 100.0  | 100.0 | 100.0   |
| Oral Cavity and Pharynx           | 1.7       | 2.4   | 0.9     | 1.7    | 2.2   | 1.1     | 1.8    | 2.7   | 0.7     |
| Lip                               | ^         | ^     | ^       | ^      | ^     | ^       | ^      | ^     | ^       |
| Tongue                            | 0.3       | 0.4   | 0.3     | 0.3    | 0.4   | 0.3     | 0.3    | 0.4   | 0.2     |
| Salivary Gland                    | 0.1       | 0.1   | 0.1     | 0.1    | 0.1   | 0.1     | ^      | ^     | ^       |
| Floor of Mouth                    | ^         | ^     | ^       | ^      | ^     | ^       | ^      | ^     | ^       |
| Gum and Other Mouth               | 0.2       | 0.3   | 0.2     | 0.2    | 0.3   | 0.2     | 0.2    | 0.3   | ^       |
| Nasopharynx                       | 0.1       | 0.2   | 0.1     | 0.1    | 0.1   | 0.1     | 0.1    | 0.2   | ^       |
| Tonsil                            | 0.2       | 0.3   | ^       | 0.2    | 0.3   | ^       | 0.2    | 0.3   | ^       |
| Oropharynx                        | 0.1       | 0.2   | 0.0     | 0.1    | 0.2   | ^       | 0.2    | 0.3   | ^       |
| Hypopharynx                       | 0.0       | 0.1   | ^       | ^      | ^     | ^       | ^      | ^     | ^       |
| Other                             | 0.6       | 0.9   | 0.3     | 0.6    | 0.8   | 0.3     | 0.7    | 1.2   | 0.2     |
| Digestive System                  | 25.6      | 27.1  | 23.7    | 24.3   | 26.0  | 22.2    | 28.4   | 29.7  | 27.0    |
| Esophagus                         | 2.3       | 3.3   | 1.1     | 2.3    | 3.4   | 1.1     | 2.2    | 3.0   | 1.2     |
| Stomach                           | 2.3       | 2.6   | 2.0     | 1.7    | 2.0   | 1.3     | 3.9    | 4.1   | 3.6     |
| Small Intestine                   | 0.2       | 0.2   | 0.2     | 0.2    | 0.2   | 0.2     | 0.3    | 0.2   | 0.3     |
| Colon and Rectum                  | 9.5       | 9.4   | 9.6     | 9.0    | 8.9   | 9.0     | 10.8   | 10.7  | 11.0    |
| Colon                             | 7.9       | 7.7   | 8.1     | 7.4    | 7.4   | 7.5     | 9.0    | 8.6   | 9.5     |
| Rectum and Rectosigmoid Junction  | 1.6       | 1.7   | 1.5     | 1.5    | 1.5   | 1.5     | 1.8    | 2.1   | 1.5     |
| Anus, Anal Canal and Anorectum    | 0.1       | 0.1   | 0.1     | 0.1    | 0.1   | 0.1     | 0.1    | 0.1   | ^       |
| Liver and Intrahepatic Bile Duct  | 4.0       | 5.0   | 2.7     | 3.7    | 4.6   | 2.5     | 4.5    | 5.8   | 3.0     |
| Liver                             | 3.5       | 4.6   | 2.2     | 3.2    | 4.2   | 2.0     | 4.2    | 5.5   | 2.6     |
| Intrahepatic Bile Duct            | 0.4       | 0.4   | 0.5     | 0.5    | 0.4   | 0.5     | 0.4    | 0.3   | 0.4     |
| Gallbladder                       | 0.3       | 0.2   | 0.5     | 0.3    | 0.2   | 0.4     | 0.4    | 0.2   | 0.6     |
| Other Biliary Tract               | 0.2       | 0.2   | 0.2     | 0.2    | 0.2   | 0.2     | 0.2    | 0.2   | 0.2     |
| Pancreas                          | 6.4       | 5.8   | 7.1     | 6.5    | 6.1   | 7.1     | 5.9    | 5.1   | 6.9     |
| Retroperitoneum                   | 0.0       | ^     | ^       | ^      | ^     | ^       | ^      | ^     | ^       |
| Peritoneum, Omentum and Mesentery | 0.1       | 0.0   | 0.2     | 0.1    | ^     | 0.2     | ^      | ^     | ^       |
| Other                             | 0.1       | 0.1   | 0.1     | 0.1    | 0.1   | 0.1     | 0.2    | 0.2   | ^       |
| Respiratory System                | 30.5      | 33.5  | 27.1    | 31.5   | 33.5  | 29.2    | 28.3   | 33.5  | 22.1    |
| Nose, Nasal Cavity and Middle Ear | 0.1       | 0.1   | 0.1     | 0.1    | 0.1   | 0.1     | 0.1    | ^     | ^       |
| Larynx                            | 0.7       | 1.1   | 0.4     | 0.7    | 0.9   | 0.4     | 0.9    | 1.4   | 0.3     |
| Lung and Bronchus                 | 29.6      | 32.2  | 26.6    | 30.7   | 32.3  | 28.7    | 27.2   | 31.9  | 21.7    |
| Pleura                            | 0.0       | ^     | ^       | ^      | ^     | ^       | ^      | ^     | ^       |
| Trachea and Other                 | 0.1       | 0.1   | ^       | 0.1    | 0.1   | ^       | ^      | ^     | ^       |
| Bones and Joints                  | 0.4       | 0.4   | 0.3     | 0.4    | 0.4   | 0.3     | 0.3    | 0.4   | 0.2     |
| Soft Tissue (Incl. heart)         | 0.6       | 0.6   | 0.7     | 0.6    | 0.6   | 0.7     | 0.7    | 0.6   | 0.8     |
| Skin (Excl. basal and squamous)   | 1.5       | 1.9   | 1.1     | 1.9    | 2.4   | 1.4     | 0.5    | 0.6   | 0.3     |
| Melanoma of the Skin              | 1.1       | 1.3   | 0.8     | 1.5    | 1.8   | 1.0     | 0.2    | 0.2   | 0.2     |
| Other Non Epithelial Skin         | 0.4       | 0.5   | 0.3     | 0.5    | 0.6   | 0.3     | 0.3    | 0.4   | ^       |
| Breast                            | 7.2       | 0.1   | 15.4    | 6.5    | 0.1   | 13.9    | 8.9    | 0.2   | 19.2    |
| Female Genital System             | 4.2       | --    | 9.1     | 4.1    | --    | 8.9     | 4.5    | --    | 9.8     |
| Cervix Uteri                      | 0.8       | --    | 1.8     | 0.6    | --    | 1.4     | 1.3    | --    | 2.8     |
| Corpus and Uterus, NOS            | 1.0       | --    | 2.2     | 0.9    | --    | 1.9     | 1.4    | --    | 3.0     |
| Corpus Uteri                      | 0.4       | --    | 0.9     | 0.4    | --    | 0.8     | 0.6    | --    | 1.3     |
| Uterus, NOS                       | 0.6       | --    | 1.3     | 0.5    | --    | 1.1     | 0.8    | --    | 1.7     |
| Ovary                             | 2.1       | --    | 4.5     | 2.3    | --    | 4.9     | 1.6    | --    | 3.6     |
| Vagina                            | 0.1       | --    | 0.2     | 0.1    | --    | 0.2     | 0.1    | --    | 0.2     |
| Vulva                             | 0.1       | --    | 0.3     | 0.2    | --    | 0.3     | ^      | --    | ^       |
| Other                             | 0.1       | --    | 0.1     | 0.1    | --    | 0.1     | ^      | --    | ^       |
| Male Genital System               | 4.7       | 8.7   | --      | 4.1    | 7.5   | --      | 6.3    | 11.7  | --      |



|                                  |     |     |     |     |     |     |     |      |     |
|----------------------------------|-----|-----|-----|-----|-----|-----|-----|------|-----|
| Prostate                         | 4.6 | 8.6 | --  | 4.0 | 7.3 | --  | 6.3 | 11.6 | --  |
| Testis                           | 0.0 | 0.1 | --  | 0.1 | 0.1 | --  | ^   | ^    | --  |
| Penis                            | 0.0 | 0.1 | --  | 0.0 | 0.1 | --  | ^   | ^    | --  |
| Other                            | ^   | ^   | --  | ^   | ^   | --  | ^   | ^    | --  |
| Urinary System                   | 4.7 | 5.5 | 3.8 | 5.1 | 6.3 | 3.8 | 3.8 | 3.9  | 3.7 |
| Urinary Bladder (Incl. In Situ)  | 2.0 | 2.5 | 1.4 | 2.3 | 3.0 | 1.5 | 1.3 | 1.2  | 1.3 |
| Kidney and Renal Pelvis          | 2.6 | 2.9 | 2.2 | 2.7 | 3.1 | 2.3 | 2.4 | 2.6  | 2.2 |
| Ureter                           | 0.0 | ^   | 0.1 | 0.1 | ^   | 0.1 | ^   | ^    | ^   |
| Other                            | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | ^   | 0.1 | ^    | ^   |
|                                  | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0 |
| Eye and Orbit                    | 0.0 | ^   | 0.1 | 0.0 | ^   | 0.1 | ^   | ^    | 0.0 |
| Brain and Nervous System         | 2.2 | 2.2 | 2.1 | 2.5 | 2.6 | 2.4 | 1.4 | 1.3  | 1.5 |
|                                  | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0 |
| Endocrine System                 | 0.4 | 0.3 | 0.5 | 0.4 | 0.4 | 0.5 | 0.4 | 0.3  | 0.4 |
| Thyroid                          | 0.2 | 0.2 | 0.3 | 0.3 | 0.2 | 0.3 | 0.2 | ^    | 0.3 |
| Thymus and Other Endocrine       | 0.2 | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 | 0.2 | 0.2  | 0.2 |
| Lymphoma                         | 3.5 | 3.6 | 3.3 | 4.0 | 4.1 | 3.9 | 2.2 | 2.4  | 1.9 |
| Hodgkin Lymphoma                 | 0.2 | 0.2 | 0.2 | 0.3 | 0.2 | 0.3 | 0.2 | 0.2  | 0.2 |
| Non Hodgkin lymphoma             | 3.2 | 3.4 | 3.1 | 3.8 | 3.9 | 3.6 | 2.0 | 2.1  | 1.8 |
| Multiple Myeloma                 | 1.9 | 1.9 | 1.8 | 1.6 | 1.6 | 1.5 | 2.7 | 2.7  | 2.7 |
| Leukemia                         | 3.6 | 3.8 | 3.4 | 3.9 | 4.2 | 3.5 | 2.9 | 2.8  | 3.1 |
| Lymphocytic                      | 0.9 | 0.9 | 0.8 | 1.0 | 1.0 | 0.9 | 0.7 | 0.7  | 0.6 |
| Acute Lymphocytic                | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2  | ^   |
| Chronic Lymphocytic              | 0.6 | 0.6 | 0.5 | 0.7 | 0.7 | 0.6 | 0.4 | 0.5  | 0.4 |
| Other                            | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | ^   | ^    | ^   |
| Myeloid and Monocytic Leukemia   | 1.5 | 1.5 | 1.4 | 1.6 | 1.7 | 1.5 | 1.1 | 1.1  | 1.2 |
| Acute Myeloid Leukemia           | 1.2 | 1.2 | 1.1 | 1.3 | 1.3 | 1.2 | 0.9 | 0.9  | 0.9 |
| Acute Monocytic Leukemia         | ^   | ^   | ^   | ^   | ^   | ^   | ^   | ^    | ^   |
| Chronic Myeloid Leukemia         | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.1 | 0.2 | 0.2  | 0.2 |
| Other Myeloid/Monocytic Leukemia | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | ^    | ^   |
| Other Leukemia                   | 1.3 | 1.4 | 1.2 | 1.3 | 1.5 | 1.1 | 1.1 | 1.0  | 1.3 |
| Other Acute Leukemia             | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.2 | 0.2  | 0.2 |
| Aleukemic, Subleukemic and NOS   | 1.0 | 1.1 | 0.9 | 1.0 | 1.2 | 0.8 | 1.0 | 0.8  | 1.1 |
| III-Defined and Unknown Sites    | 7.3 | 7.9 | 6.7 | 7.4 | 8.0 | 6.8 | 7.0 | 7.4  | 6.5 |

^ The NCI does not present counts for cells smaller than 10.

-- Not applicable.

**Table J. Average Annual Cancer Mortality Rate by Site, Race, and Sex, 2007-2011, Louisiana**

| Primary Site                      | All Races |       |         | Whites |       |         | Blacks |       |         |
|-----------------------------------|-----------|-------|---------|--------|-------|---------|--------|-------|---------|
|                                   | Total     | Males | Females | Total  | Males | Females | Total  | Males | Females |
| All Sites Combined                | 198.6     | 250.7 | 162.2   | 188.6  | 234.4 | 155.9   | 232.6  | 311.5 | 182.5   |
| Oral Cavity and Pharynx           | 3.3       | 5.5   | 1.5     | 3.1    | 4.9   | 1.6     | 3.7    | 7.2   | 1.1     |
| Lip                               | ^         | ^     | ^       | ^      | ^     | ^       | ^      | 0.0   | ^       |
| Tongue                            | 0.6       | 0.9   | 0.4     | 0.6    | 0.9   | 0.4     | 0.7    | 1.0   | ^       |
| Salivary Gland                    | 0.2       | 0.2   | ^       | 0.2    | 0.2   | ^       | ^      | ^     | ^       |
| Floor of Mouth                    | ^         | ^     | ^       | ^      | ^     | ^       | ^      | ^     | ^       |
| Gum and Other Mouth               | 0.4       | 0.7   | 0.3     | 0.5    | 0.6   | 0.3     | 0.3    | 0.7   | ^       |
| Nasopharynx                       | 0.2       | 0.3   | ^       | 0.2    | 0.3   | ^       | 0.3    | ^     | ^       |
| Tonsil                            | 0.3       | 0.6   | ^       | 0.3    | 0.5   | ^       | 0.3    | 0.6   | ^       |
| Oropharynx                        | 0.3       | 0.5   | ^       | 0.2    | 0.4   | ^       | 0.3    | 0.6   | ^       |
| Hypopharynx                       | 0.1       | ^     | ^       | ^      | ^     | ^       | ^      | ^     | ^       |
| Other                             | 1.2       | 2.1   | 0.5     | 1.1    | 1.8   | 0.5     | 1.6    | 3.3   | ^       |
| Digestive System                  | 50.5      | 65.8  | 38.2    | 45.5   | 59.4  | 34.2    | 65.7   | 87.6  | 49.9    |
| Esophagus                         | 4.3       | 7.6   | 1.7     | 4.3    | 7.5   | 1.6     | 4.6    | 8.0   | 2.1     |
| Stomach                           | 4.7       | 6.6   | 3.3     | 3.2    | 4.7   | 2.0     | 9.3    | 13.0  | 6.8     |
| Small Intestine                   | 0.4       | 0.5   | 0.3     | 0.3    | 0.4   | 0.3     | 0.6    | ^     | 0.5     |
| Colon and Rectum                  | 18.9      | 23.3  | 15.4    | 16.9   | 20.7  | 13.8    | 25.3   | 33.1  | 20.0    |
| Colon                             | 15.7      | 19.4  | 12.9    | 14.1   | 17.3  | 11.4    | 21.2   | 27.0  | 17.3    |
| Rectum and Rectosigmoid Junction  | 3.2       | 4.0   | 2.5     | 2.8    | 3.4   | 2.4     | 4.1    | 6.0   | 2.7     |
| Anus, Anal Canal and Anorectum    | 0.2       | 0.3   | 0.2     | 0.3    | 0.3   | 0.2     | ^      | ^     | ^       |
| Liver and Intrahepatic Bile Duct  | 7.6       | 11.6  | 4.3     | 6.8    | 10.3  | 3.9     | 9.6    | 14.9  | 5.5     |
| Liver                             | 6.7       | 10.6  | 3.6     | 5.9    | 9.3   | 3.2     | 8.7    | 14.0  | 4.7     |
| Intrahepatic Bile Duct            | 0.8       | 1.0   | 0.7     | 0.8    | 1.0   | 0.7     | 0.8    | 0.9   | 0.8     |
| Gallbladder                       | 0.6       | 0.5   | 0.7     | 0.5    | 0.4   | 0.6     | 1.0    | 0.9   | 1.1     |
| Other Biliary Tract               | 0.4       | 0.6   | 0.3     | 0.4    | 0.6   | 0.3     | 0.4    | ^     | ^       |
| Pancreas                          | 12.7      | 14.3  | 11.4    | 12.3   | 14.1  | 10.8    | 14.2   | 15.4  | 13.1    |
| Retroperitoneum                   | ^         | ^     | ^       | ^      | ^     | ^       | ^      | ^     | ^       |
| Peritoneum, Omentum and Mesentery | 0.2       | ^     | 0.3     | 0.3    | ^     | 0.4     | ^      | ^     | ^       |
| Other                             | 0.3       | 0.3   | 0.2     | 0.2    | 0.3   | 0.2     | 0.4    | ^     | ^       |
| Respiratory System                | 60.1      | 82.0  | 43.9    | 58.9   | 76.6  | 45.6    | 65.1   | 101.5 | 40.5    |
| Nose, Nasal Cavity and Middle Ear | 0.2       | 0.2   | 0.1     | 0.1    | ^     | ^       | ^      | ^     | ^       |
| Larynx                            | 1.4       | 2.5   | 0.6     | 1.2    | 2.1   | 0.6     | 1.8    | 3.7   | 0.6     |
| Lung and Bronchus                 | 58.4      | 79.1  | 43.1    | 57.3   | 74.1  | 44.9    | 62.8   | 97.2  | 39.7    |
| Pleura                            | ^         | ^     | ^       | ^      | ^     | ^       | ^      | ^     | ^       |
| Trachea and Other                 | 0.1       | 0.2   | ^       | 0.1    | ^     | ^       | ^      | ^     | ^       |
| Bones and Joints                  | 0.7       | 1.0   | 0.5     | 0.7    | 0.9   | 0.5     | 0.7    | 1.3   | ^       |
| Soft Tissue (Incl. heart)         | 1.3       | 1.4   | 1.1     | 1.2    | 1.4   | 1.1     | 1.3    | 1.4   | 1.3     |
| Skin (Excl. basal and squamous)   | 3.0       | 4.8   | 1.7     | 3.7    | 5.8   | 2.1     | 1.0    | 1.5   | 0.6     |
| Melanoma of the Skin              | 2.2       | 3.4   | 1.3     | 2.8    | 4.3   | 1.6     | 0.5    | ^     | ^       |
| Other Non Epithelial Skin         | 0.8       | 1.4   | 0.4     | 0.9    | 1.5   | 0.5     | 0.5    | 0.9   | ^       |
| Breast                            | 14.1      | 0.3   | 25.0    | 12.2   | 0.3   | 21.8    | 19.9   | ^     | 33.9    |
| Female Genital System             | 8.4       | --    | 15.0    | 7.8    | --    | 14.1    | 10.6   | --    | 18.0    |
| Cervix Uteri                      | 1.7       | --    | 3.1     | 1.3    | --    | 2.5     | 2.7    | --    | 4.9     |
| Corpus and Uterus, NOS            | 2.0       | --    | 3.6     | 1.6    | --    | 3.0     | 3.4    | --    | 5.6     |
| Corpus Uteri                      | 0.8       | --    | 1.5     | 0.7    | --    | 1.2     | 1.4    | --    | 2.4     |
| Uterus, NOS                       | 1.2       | --    | 2.1     | 1.0    | --    | 1.7     | 1.9    | --    | 3.2     |
| Ovary                             | 4.1       | --    | 7.3     | 4.3    | --    | 7.6     | 4.0    | --    | 6.6     |
| Vagina                            | 0.2       | --    | 0.3     | 0.2    | --    | 0.3     | ^      | --    | ^       |
| Vulva                             | 0.2       | --    | 0.4     | 0.3    | --    | 0.5     | ^      | --    | ^       |
| Other                             | 0.1       | --    | 0.2     | 0.1    | --    | 0.2     | ^      | --    | ^       |
| Male Genital System               | 9.8       | 25.4  | --      | 7.8    | 20.0  | --      | 17.0   | 47.1  | --      |
| Prostate                          | 9.7       | 25.1  | --      | 7.6    | 19.6  | --      | 16.9   | 46.8  | --      |
| Testis                            | 0.1       | 0.2   | --      | 0.1    | 0.3   | --      | ^      | ^     | --      |
| Penis                             | 0.1       | 0.2   | --      | ^      | ^     | --      | ^      | ^     | --      |
| Other                             | ^         | ^     | --      | ^      | ^     | --      | ^      | ^     | --      |
| Urinary System                    | 9.5       | 14.4  | 6.1     | 9.7    | 15.0  | 5.9     | 9.4    | 12.9  | 7.2     |
| Urinary Bladder (Incl. In Situ)   | 4.1       | 7.1   | 2.3     | 4.4    | 7.8   | 2.2     | 3.4    | 4.8   | 2.6     |
| Kidney and Renal Pelvis           | 5.1       | 7.0   | 3.6     | 5.0    | 6.9   | 3.5     | 5.6    | 7.6   | 4.2     |
| Ureter                            | 0.1       | ^     | ^       | 0.1    | ^     | ^       | ^      | ^     | ^       |
| Other                             | 0.2       | 0.2   | ^       | 0.1    | ^     | ^       | ^      | ^     | ^       |

|                                  |      |      |      |      |      |      |      |      |      |
|----------------------------------|------|------|------|------|------|------|------|------|------|
| Eye and Orbit                    | 0.1  | ^    | ^    | ^    | ^    | ^    | ^    | ^    | ^    |
| Brain and Nervous System         | 4.2  | 5.1  | 3.5  | 4.8  | 5.8  | 3.8  | 2.9  | 3.3  | 2.6  |
| Endocrine System                 | 0.8  | 0.8  | 0.8  | 0.8  | 0.8  | 0.8  | 0.7  | 0.6  | 0.8  |
| Thyroid                          | 0.5  | 0.4  | 0.5  | 0.5  | 0.5  | 0.5  | 0.4  | ^    | 0.5  |
| Thymus and Other Endocrine       | 0.3  | 0.4  | 0.3  | 0.3  | 0.4  | 0.3  | 0.4  | ^    | ^    |
| Lymphoma                         | 7.1  | 9.2  | 5.4  | 7.7  | 9.9  | 6.0  | 4.9  | 6.6  | 3.5  |
| Hodgkin Lymphoma                 | 0.5  | 0.6  | 0.4  | 0.5  | 0.6  | 0.4  | 0.4  | 0.6  | ^    |
| Non-Hodgkin Lymphoma             | 6.6  | 8.6  | 5.0  | 7.2  | 9.3  | 5.5  | 4.4  | 6.0  | 3.2  |
| Multiple Myeloma                 | 3.8  | 5.0  | 3.0  | 3.0  | 3.9  | 2.3  | 6.6  | 8.9  | 5.2  |
| Leukemia                         | 7.4  | 10.2 | 5.5  | 7.5  | 10.5 | 5.4  | 6.8  | 8.8  | 5.6  |
| Lymphocytic                      | 1.8  | 2.5  | 1.3  | 1.9  | 2.5  | 1.4  | 1.5  | 2.2  | 1.0  |
| Acute Lymphocytic                | 0.4  | 0.5  | 0.3  | 0.4  | 0.6  | 0.3  | 0.3  | ^    | ^    |
| Chronic Lymphocytic              | 1.2  | 1.7  | 0.9  | 1.2  | 1.7  | 0.9  | 1.1  | 1.6  | 0.7  |
| Other                            | 0.2  | 0.3  | 0.1  | 0.2  | 0.3  | 0.2  | ^    | ^    | ^    |
| Myeloid and Monocytic Leukemia   | 3.0  | 3.9  | 2.3  | 3.1  | 4.1  | 2.3  | 2.5  | 3.2  | 2.1  |
| Acute Myeloid Leukemia           | 2.4  | 3.1  | 1.8  | 2.5  | 3.3  | 2.0  | 2.0  | 2.7  | 1.5  |
| Acute Monocytic Leukemia         | ^    | ^    | ^    | ^    | ^    | ^    | ^    | ^    | ^    |
| Chronic Myeloid Leukemia         | 0.4  | 0.5  | 0.3  | 0.3  | 0.5  | 0.2  | 0.4  | ^    | ^    |
| Other Myeloid/Monocytic Leukemia | 0.2  | 0.3  | 0.2  | 0.2  | 0.3  | 0.2  | ^    | ^    | ^    |
| Other Leukemia                   | 2.6  | 3.8  | 1.9  | 2.6  | 3.9  | 1.7  | 2.8  | 3.3  | 2.5  |
| Other Acute Leukemia             | 0.6  | 0.7  | 0.5  | 0.6  | 0.8  | 0.5  | 0.4  | ^    | ^    |
| Aleukemic, Subleukemic and NOS   | 2.1  | 3.0  | 1.4  | 2.0  | 3.1  | 1.2  | 2.3  | 2.7  | 2.1  |
| III-Defined and Unknown Sites    | 14.6 | 19.7 | 10.8 | 14.0 | 18.9 | 10.4 | 16.1 | 22.3 | 12.0 |

1. Average annual rate per 100,000 person years, age adjusted to the U.S. 2000 standard

^ Rates are not generated if fewer than 16 deaths occurred during these five years.

-- Not applicable

**Table K. Average Annual Cancer Mortality Rates,<sup>1</sup> 2007-2011: U.S., Louisiana, Industrial Corridor<sup>2</sup>**

| Primary Site                 | White Males |         |            | White Females |         |            | Black Males |         |            | Black Females |         |            |
|------------------------------|-------------|---------|------------|---------------|---------|------------|-------------|---------|------------|---------------|---------|------------|
|                              | US          | LA      | Ind. Corr. | US            | LA      | Ind. Corr. | US          | LA      | Ind. Corr. | US            | LA      | Ind. Corr. |
| All Sites Combined           | 209.8       | 234.4 ↑ | 207.8 *    | 147.5         | 155.9 ↑ | 146.5 *    | 269.3       | 311.5 ↑ | 310.4      | 169           | 182.5 ↑ | 180.7      |
| Oral Cavity and Pharynx      | 3.7         | 4.9 ↑   | 3.4 *      | 1.4           | 1.6 ↑   | 1.7        | 5.1         | 7.2 ↑   | 6.3        | 1.4           | 1.1     | ^          |
| Esophagus                    | 7.8         | 7.5     | 7.1        | 1.5           | 1.6     | 1.3        | 7.4         | 8.0     | 7.0        | 2.0           | 2.1     | ^          |
| Stomach                      | 4.1         | 4.7 ↑   | 3.4        | 2.1           | 2.0     | 1.4        | 9.6         | 13 ↑    | 15.4       | 4.5           | 6.8 ↑   | 7.2        |
| Colon & Rectum               | 18.5        | 20.7 ↑  | 19.1       | 13.0          | 13.8 ↑  | 12.6       | 27.7        | 33.1 ↑  | 34.2       | 18.5          | 20.0    | 18.5       |
| Liver & Bile Duct            | 6.3         | 9.3 ↑   | 6.0 *      | 2.0           | 3.2 ↑   | 2.6        | 10.7        | 14.0 ↑  | 14.8       | 3.1           | 4.7 ↑   | 4.4        |
| Pancreas                     | 12.5        | 14.1 ↑  | 16.1       | 9.4           | 10.8 ↑  | 9.5        | 15.3        | 15.4    | 17.5       | 12.4          | 13.1    | 17.4 #     |
| Larynx                       | 1.8         | 2.1     | ^          | 0.4           | 0.6 ↑   | ^          | 3.8         | 3.7     | 3.8        | 0.6           | 0.6     | ^          |
| Lung and Bronchus            | 61.4        | 74.1 ↑  | 65.4 *     | 39.8          | 44.9 ↑  | 41.6       | 75.7        | 97.2 ↑  | 96.3       | 36.5          | 39.7 ↑  | 37.7       |
| Breast                       | 0.3         | 0.3     | ^          | 21.7          | 21.8    | 20.5       | 0.5         | ^       | ^          | 30.6          | 33.9 ↑  | 34.3       |
| Cervix Uteri                 | --          | --      | --         | 2.1           | 2.5 ↑   | 2.0        | --          | --      | --         | 4.1           | 4.9 ↑   | 3.4        |
| Uterus and Corpus            | --          | --      | --         | 4.0           | 3.0 ↓   | 2.7        | --          | --      | --         | 7.5           | 5.6 ↓   | 4.3        |
| Ovary                        | --          | --      | --         | 8.2           | 7.6     | 8.1        | --          | --      | --         | 6.6           | 6.6     | 5.3        |
| Prostate                     | 20.6        | 19.6    | 16.7       | --            | --      | --         | 48.9        | 46.8    | 46.2       | --            | --      | --         |
| Urinary Bladder              | 8.1         | 7.8     | 7.8        | 2.2           | 2.2     | 2.0        | 5.4         | 4.8     | 4.6        | 2.6           | 2.6     | 3.3        |
| Kidney and Renal Pelvis      | 5.9         | 6.9 ↑   | 5.7        | 2.6           | 3.5 ↑   | 3.8        | 5.6         | 7.6 ↑   | 4.4 *      | 2.6           | 4.2 ↑   | 4.5        |
| Brain & Other Nervous System | 5.6         | 5.8     | 5.9        | 3.8           | 3.8     | 4          | 3.0         | 3.3     | 4.2        | 2.1           | 2.6     | 2.3        |
| Hodgkin Lymphoma             | 0.5         | 0.6     | ^          | 0.3           | 0.4     | ^          | 0.4         | 0.6     | ^          | 0.3           | ^       | ^          |
| Non-Hodgkin Lymphoma         | 8.4         | 9.3 ↑   | 8.5        | 5.2           | 5.5     | 5.8        | 5.8         | 6.0     | 6.9        | 3.5           | 3.2     | 3.3        |
| Multiple Myeloma             | 4.0         | 3.9     | 3.2        | 2.5           | 2.3     | 2.4        | 7.7         | 8.9     | 9.4        | 5.3           | 5.2     | 7.1        |
| Leukemia                     | 9.7         | 10.5 ↑  | 9.1        | 5.4           | 5.4     | 5.9        | 8.0         | 8.8     | 8.8        | 4.8           | 5.6 ↑   | 6.4        |

1. Rates per 100,000 person-years, age adjusted to the U.S. 2000 standard

2. The Industrial Corridor comprises Ascension, East Baton Rouge, Iberville, St. Charles, St. James, St. John the Baptist, and West Baton Rouge parishes.

-- Not applicable

^ Rates are not calculated if fewer than 16 deaths occur in the five-year period.

\* The Industrial Corridor rate is significantly lower than the Louisiana rate ( $p < 0.05$ ).

# The Industrial Corridor rate is significantly higher than the Louisiana rate ( $p < 0.05$ ).

↓ The Louisiana rate is significantly lower than the U.S. rate ( $p < 0.05$ ).

↑ The Louisiana rate is significantly higher than the U.S. rate ( $p < 0.05$ ).

**Table L1. Ten Most Common Causes of Cancer Deaths, 2007-2011: White Males (1)**Average Annual Mortality Rates<sup>1</sup> by Louisiana Parish<sup>2</sup>

| Louisiana Parish | All Sites | Lung &<br>Bronchus | Colon &<br>Rectum | Prostate | Pancreas | Leukemia | Liver & Bile<br>Duct | Hon-<br>Hodgkin<br>Lymphoma | Urinary<br>Bladder | Esophagus | Kidney &<br>Renal<br>Pelvis |
|------------------|-----------|--------------------|-------------------|----------|----------|----------|----------------------|-----------------------------|--------------------|-----------|-----------------------------|
| Louisiana        | 234.4     | 74.1               | 20.7              | 19.6     | 14.1     | 10.5     | 10.3                 | 9.3                         | 7.8                | 7.5       | 6.9                         |
| Acadia           | 293.4     | 100.3              | 23.4              | 31.9     | ^        | ^        | ^                    | ^                           | ^                  | ^         | 14.9                        |
| Allen            | 165.1     | 50.0               | ^                 | ^        | ^        | ^        | ^                    | ^                           | ^                  | ^         | ^                           |
| Ascension        | 223.7     | 85.8               | 25.5              | ^        | 11.5     | ^        | ^                    | ^                           | ^                  | ^         | ^                           |
| Assumption       | 213.7     | 73.0               | ^                 | ^        | ^        | ^        | ^                    | ^                           | ^                  | ^         | ^                           |
| Avoyelles        | 312.4     | 113.4              | 34.9              | ^        | 19.7     | ^        | ^                    | ^                           | ^                  | ^         | ^                           |
| Beauregard       | 237.1     | 76.2               | ^                 | 26.2     | ^        | ^        | ^                    | ^                           | ^                  | ^         | ^                           |
| Bienville        | 232.4     | 55.4               | ^                 | ^        | ^        | ^        | ^                    | ^                           | ^                  | ^         | ^                           |
| Bossier          | 212.4     | 70.9               | 18.9              | 16.3     | 10.4     | ^        | 7.5                  | ^                           | 9.3                | ^         | 7.3                         |
| Caddo            | 232.1     | 74.6               | 21.0              | 20.6     | 12.1     | 10.8     | 7.8                  | 9.2                         | 7.3                | 8.2       | 5.7                         |
| Calcasieu        | 241.0     | 78.6               | 21.4              | 16.3     | 14.0     | 12.6     | 10.7                 | 10.6                        | 5.9                | 8.5       | 8.2                         |
| Caldwell         | 322.8     | 114.4              | ^                 | ^        | ^        | ^        | ^                    | ^                           | ^                  | ^         | ^                           |
| Cameron          | 233.2     | ^                  | ^                 | ^        | ^        | ^        | ^                    | ^                           | ^                  | ^         | ^                           |
| Catahoula        | 267.7     | 91.5               | ^                 | ^        | ^        | ^        | ^                    | ^                           | ^                  | ^         | ^                           |
| Claiborne        | 231.3     | 63.3               | ^                 | ^        | ^        | ^        | ^                    | ^                           | ^                  | ^         | ^                           |
| Concordia        | 241.8     | 69.5               | ^                 | ^        | ^        | ^        | ^                    | ^                           | ^                  | ^         | ^                           |
| De Soto          | 244.8     | 78.0               | ^                 | ^        | ^        | ^        | ^                    | ^                           | ^                  | ^         | ^                           |
| East Baton Rouge | 199.1     | 58.6               | 18.3              | 18.2     | 16.0     | 8.3      | 7.1                  | 8.9                         | 10.0               | 7.1       | 3.6                         |
| East Carroll     | 206.8     | ^                  | ^                 | ^        | 0.0      | ^        | ^                    | ^                           | ^                  | ^         | ^                           |
| East Feliciana   | 265.2     | 112.6              | ^                 | ^        | ^        | ^        | ^                    | ^                           | ^                  | ^         | ^                           |
| Evangeline       | 245.0     | 93.7               | 29.5              | ^        | ^        | ^        | ^                    | ^                           | ^                  | ^         | ^                           |
| Franklin         | 205.3     | 80.2               | ^                 | ^        | ^        | ^        | ^                    | ^                           | ^                  | ^         | ^                           |
| Grant            | 279.4     | 115.0              | ^                 | ^        | ^        | ^        | ^                    | ^                           | ^                  | ^         | ^                           |
| Iberia           | 273.9     | 92.1               | 30.0              | 18.9     | 20.6     | ^        | 16.4                 | ^                           | ^                  | ^         | ^                           |
| Iberville        | 254.0     | 57.4               | ^                 | ^        | ^        | ^        | ^                    | ^                           | ^                  | ^         | ^                           |
| Jackson          | 245.6     | 79.0               | ^                 | ^        | ^        | ^        | ^                    | ^                           | ^                  | ^         | ^                           |
| Jefferson        | 232.6     | 63.3               | 19.1              | 19.1     | 14.0     | 10.4     | 14.4                 | 11.1                        | 8.9                | 8.9       | 7.4                         |
| Jefferson Davis  | 263.2     | 104.4              | ^                 | ^        | ^        | ^        | ^                    | ^                           | ^                  | ^         | ^                           |
| Lafayette        | 222.0     | 64.2               | 15.3              | 21.5     | 11.6     | 11.3     | 9.4                  | 11.9                        | 7.5                | 10.0      | 8.8                         |
| Lafourche        | 233.5     | 70.9               | 23.9              | 17.1     | 13.3     | ^        | 10.2                 | 11.5                        | 12.7               | ^         | 9.1                         |
| La Salle         | 264.1     | 86.4               | ^                 | ^        | ^        | ^        | ^                    | ^                           | ^                  | ^         | ^                           |
| Lincoln          | 234.9     | 47.7               | 32.9              | ^        | ^        | ^        | ^                    | ^                           | ^                  | ^         | ^                           |

**Table L1. Ten Most Common Causes of Cancer Deaths, 2007-2011: White Males (2)**

| Louisiana Parish     | All Sites | Lung  | Colon &<br>Rectum | Prostate | Pancreas | Leukemia | Liver & Bile<br>Duct | Hon-<br>Hodgkin<br>Lymphoma | Urinary<br>Bladder | Esophagus | Kidney &<br>Renal<br>Pelvis |
|----------------------|-----------|-------|-------------------|----------|----------|----------|----------------------|-----------------------------|--------------------|-----------|-----------------------------|
| Livingston           | 241.8     | 95.9  | 20.2              | 10.9     | 17.9     | 8.1      | 11.5                 | ^                           | 8.5                | 6.5       | 7.0                         |
| Madison              | 234.6     | ^     | ^                 | ^        | ^        | ^        | ^                    | ^                           | ^                  | ^         | ^                           |
| Morehouse            | 262.9     | 73.6  | ^                 | ^        | ^        | ^        | ^                    | ^                           | ^                  | ^         | ^                           |
| Natchitoches         | 220.6     | 71.0  | ^                 | ^        | ^        | ^        | ^                    | ^                           | ^                  | ^         | ^                           |
| Orleans              | 183.8     | 42.3  | 16.6              | 24.2     | 9.7      | 9.7      | 11.9                 | 6.9                         | 6.0                | 8.1       | ^                           |
| Ouachita             | 238.1     | 81.7  | 17.9              | 23.2     | 15.6     | 8.6      | 8.5                  | 8.2                         | ^                  | 8.5       | 8.1                         |
| Plaquemines          | 184.0     | ^     | ^                 | ^        | ^        | ^        | ^                    | ^                           | ^                  | 0.0       | ^                           |
| Pointe Coupee        | 223.4     | 61.9  | ^                 | ^        | ^        | ^        | ^                    | ^                           | ^                  | ^         | ^                           |
| Rapides              | 224.2     | 75.8  | 18.9              | 15.5     | 11.2     | 11.6     | 7.3                  | ^                           | ^                  | 8.9       | 7.1                         |
| Red River            | 173.6     | ^     | ^                 | ^        | ^        | ^        | ^                    | ^                           | ^                  | ^         | ^                           |
| Richland             | 261.5     | 86.5  | ^                 | ^        | ^        | ^        | ^                    | ^                           | ^                  | ^         | ^                           |
| Sabine               | 282.8     | 90.7  | 40.2              | 32.4     | ^        | ^        | ^                    | ^                           | ^                  | ^         | ^                           |
| St. Bernard          | 312.8     | 102.5 | ^                 | ^        | ^        | ^        | ^                    | ^                           | ^                  | ^         | ^                           |
| St. Charles          | 214.3     | 67.9  | ^                 | ^        | ^        | ^        | ^                    | ^                           | ^                  | ^         | ^                           |
| St. Helena           | 292.2     | 122.3 | ^                 | ^        | ^        | ^        | ^                    | ^                           | ^                  | ^         | ^                           |
| St. James            | 204.6     | 79.9  | ^                 | ^        | ^        | ^        | ^                    | ^                           | ^                  | ^         | ^                           |
| St. John the Baptist | 199.5     | 67.1  | ^                 | ^        | ^        | ^        | ^                    | ^                           | ^                  | ^         | ^                           |
| St. Landry           | 255.9     | 74.2  | 27.7              | 19.8     | 24.2     | ^        | ^                    | ^                           | ^                  | ^         | ^                           |
| St. Martin           | 211.4     | 79.9  | ^                 | ^        | ^        | ^        | ^                    | ^                           | ^                  | ^         | ^                           |
| St. Mary             | 245.9     | 71.2  | 23.6              | ^        | 19.6     | ^        | ^                    | ^                           | ^                  | ^         | ^                           |
| St. Tammany          | 223.5     | 67.2  | 17.1              | 21.7     | 12.2     | 13.1     | 10.6                 | 8.7                         | 8.4                | 7.7       | 6.4                         |
| Tangipahoa           | 276.7     | 87.5  | 24.4              | 18.5     | 16.6     | 13.8     | 12.9                 | 11.0                        | ^                  | 10.4      | ^                           |
| Tensas               | ^         | ^     | ^                 | ^        | 0.0      | ^        | 0.0                  | ^                           | ^                  | ^         | ^                           |
| Terrebonne           | 263.3     | 76.6  | 27.2              | 19.5     | 13.9     | 16.9     | 14.3                 | 11.6                        | ^                  | ^         | 10.7                        |
| Union                | 230.2     | 84.6  | ^                 | ^        | ^        | ^        | ^                    | ^                           | ^                  | ^         | ^                           |
| Vermilion            | 246.5     | 78.6  | 30.8              | 22.9     | 16.1     | ^        | ^                    | ^                           | ^                  | ^         | ^                           |
| Vernon               | 282.0     | 98.9  | 21.9              | ^        | ^        | 26.3     | ^                    | ^                           | ^                  | ^         | ^                           |
| Washington           | 286.8     | 89.6  | 28.2              | 22.2     | ^        | ^        | 23.2                 | ^                           | ^                  | ^         | ^                           |
| Webster              | 253.4     | 86.0  | 19.7              | ^        | 18.1     | ^        | ^                    | ^                           | ^                  | ^         | ^                           |
| West Baton Rouge     | 224.5     | 76.8  | ^                 | ^        | ^        | ^        | ^                    | ^                           | ^                  | ^         | ^                           |
| West Carroll         | 212.6     | 90.7  | ^                 | ^        | ^        | ^        | ^                    | ^                           | ^                  | ^         | ^                           |
| West Feliciana       | 200.1     | 83.8  | ^                 | ^        | ^        | ^        | ^                    | ^                           | ^                  | ^         | ^                           |
| Winn                 | 310.2     | 105.0 | ^                 | ^        | ^        | ^        | ^                    | ^                           | ^                  | ^         | ^                           |

<sup>1</sup>Rates per 100,000 person-years, age adjusted to the U.S. 2000 standard.

<sup>2</sup>Deaths are assigned to the parish of residence, not where the death occurred.

^ Rates are not generated for cells with fewer than 16 deaths in five years.

**Table L2. Ten Most Common Causes of Cancer Deaths, 2007-2011: White Females (1)**  
Average Annual Mortality Rates<sup>1</sup> by Louisiana Parish<sup>2</sup>

| Louisiana Parish | All Sites | Lung &<br>Bronchus | Breast | Colon &<br>Rectum | Pancreas | Ovary | Hon-<br>Hodgkin<br>Lymphoma | Leukemia | Liver & Bile<br>Duct | Brain &<br>Nervous<br>System | Kidney &<br>Renal<br>Pelvis |
|------------------|-----------|--------------------|--------|-------------------|----------|-------|-----------------------------|----------|----------------------|------------------------------|-----------------------------|
| Louisiana        | 155.9     | 44.9               | 21.8   | 13.8              | 10.8     | 7.6   | 5.5                         | 5.4      | 3.9                  | 3.8                          | 3.5                         |
| Acadia           | 187.9     | 56.8               | 30.0   | 13.6              | 14.4     | ^     | ^                           | ^        | ^                    | ^                            | ^                           |
| Allen            | 121.7     | ^                  | ^      | ^                 | ^        | ^     | ^                           | ^        | ^                    | ^                            | ^                           |
| Ascension        | 146.8     | 55.4               | 14.7   | 9.8               | ^        | ^     | ^                           | ^        | ^                    | ^                            | ^                           |
| Assumption       | 133.9     | 46.5               | ^      | ^                 | ^        | ^     | ^                           | ^        | ^                    | ^                            | ^                           |
| Avoyelles        | 171.7     | 44.6               | 25.6   | 13.7              | 25.0     | ^     | ^                           | ^        | ^                    | ^                            | ^                           |
| Beauregard       | 188.8     | 56.9               | 21.2   | ^                 | ^        | ^     | ^                           | ^        | ^                    | ^                            | ^                           |
| Bienville        | 172.8     | 64.7               | ^      | ^                 | ^        | ^     | ^                           | ^        | ^                    | ^                            | ^                           |
| Bossier          | 137.2     | 43.3               | 18.1   | 12.2              | 8.6      | 8.9   | ^                           | ^        | ^                    | ^                            | ^                           |
| Caddo            | 153.0     | 41.8               | 20.9   | 11.7              | 12.6     | 6.9   | 5.0                         | 6.5      | 6.0                  | 5.5                          | ^                           |
| Calcasieu        | 164.5     | 46.4               | 22.4   | 17.3              | 16.0     | 5.4   | 5.4                         | 4.4      | ^                    | 4.6                          | 4.1                         |
| Caldwell         | 175.3     | 61.1               | ^      | ^                 | ^        | ^     | ^                           | 0.0      | ^                    | ^                            | ^                           |
| Cameron          | 106.8     | ^                  | ^      | ^                 | ^        | ^     | ^                           | ^        | ^                    | ^                            | ^                           |
| Catahoula        | 163.6     | ^                  | ^      | ^                 | ^        | ^     | ^                           | ^        | ^                    | ^                            | ^                           |
| Claiborne        | 120.4     | ^                  | ^      | ^                 | ^        | ^     | ^                           | ^        | ^                    | ^                            | ^                           |
| Concordia        | 185.2     | 43.7               | 37.1   | ^                 | ^        | ^     | ^                           | ^        | ^                    | ^                            | ^                           |
| De Soto          | 170.1     | 32.4               | ^      | ^                 | ^        | ^     | ^                           | ^        | ^                    | ^                            | ^                           |
| East Baton Rouge | 141.3     | 36.5               | 22.3   | 12.2              | 8.4      | 9.7   | 5.7                         | 5.3      | 4.1                  | 3.6                          | 3.0                         |
| East Carroll     | 176.3     | ^                  | ^      | ^                 | ^        | ^     | ^                           | ^        | ^                    | ^                            | ^                           |
| East Feliciana   | 168.5     | ^                  | ^      | ^                 | ^        | ^     | ^                           | ^        | ^                    | ^                            | ^                           |
| Evangeline       | 171.3     | 50.2               | 29.3   | 30.7              | ^        | ^     | ^                           | ^        | ^                    | ^                            | ^                           |
| Franklin         | 111.6     | 42.9               | ^      | ^                 | ^        | ^     | ^                           | ^        | ^                    | ^                            | ^                           |
| Grant            | 177.6     | 52.6               | ^      | ^                 | ^        | ^     | ^                           | ^        | ^                    | ^                            | ^                           |
| Iberia           | 178.3     | 63.7               | 21.3   | 18.2              | ^        | ^     | ^                           | ^        | ^                    | ^                            | ^                           |
| Iberville        | 183.6     | 58.0               | ^      | ^                 | ^        | ^     | ^                           | ^        | ^                    | ^                            | ^                           |
| Jackson          | 187.7     | 58.9               | ^      | ^                 | ^        | ^     | ^                           | ^        | ^                    | ^                            | ^                           |
| Jefferson        | 161.4     | 43.7               | 22.9   | 15.0              | 9.2      | 9.5   | 5.7                         | 6.9      | 4.1                  | 3.1                          | 3.6                         |
| Jefferson Davis  | 143.1     | 50.0               | 22.3   | ^                 | ^        | ^     | ^                           | ^        | ^                    | ^                            | ^                           |
| Lafayette        | 149.0     | 41.7               | 22.8   | 10.3              | 10.5     | 7.3   | 5.5                         | 5.3      | 3.9                  | 4.1                          | 3.9                         |
| Lafourche        | 147.1     | 41.5               | 21.9   | 15.5              | 9.0      | ^     | 8.3                         | ^        | ^                    | ^                            | ^                           |
| La Salle         | 183.5     | 61.1               | 39.6   | ^                 | ^        | ^     | ^                           | ^        | ^                    | ^                            | ^                           |
| Lincoln          | 144.1     | 35.9               | 34.2   | ^                 | ^        | ^     | ^                           | ^        | ^                    | ^                            | ^                           |

**Table L2. Ten Most Common Causes of Cancer Deaths, 2007-2011: White Females (2)**

| Louisiana Parish     | All Sites | Lung &<br>Bronchus | Breast | Colon &<br>Rectum | Pancreas | Ovary | Hon-<br>Hodgkin<br>Lymphoma | Leukemia | Liver & Bile<br>Duct | Brain &<br>Nervous<br>System | Kidney &<br>Renal<br>Pelvis |
|----------------------|-----------|--------------------|--------|-------------------|----------|-------|-----------------------------|----------|----------------------|------------------------------|-----------------------------|
| Livingston           | 146.7     | 44.2               | 18.8   | 10.3              | 12.4     | 9.6   | ^                           | ^        | ^                    | ^                            | ^                           |
| Madison              | 144.5     | ^                  | ^      | ^                 | ^        | ^     | ^                           | ^        | ^                    | ^                            | ^                           |
| Morehouse            | 163.7     | 46.7               | ^      | ^                 | ^        | ^     | ^                           | ^        | ^                    | ^                            | ^                           |
| Natchitoches         | 164.9     | 42.2               | ^      | ^                 | ^        | ^     | ^                           | ^        | ^                    | ^                            | ^                           |
| Orleans              | 140.6     | 32.9               | 25.0   | 14.5              | 8.0      | 7.8   | 6.4                         | 5.8      | ^                    | ^                            | ^                           |
| Ouachita             | 149.0     | 45.1               | 17.9   | 15.6              | 9.7      | 6.5   | 4.6                         | 4.9      | ^                    | ^                            | ^                           |
| Plaquemines          | 155.6     | 48.5               | ^      | ^                 | ^        | ^     | ^                           | ^        | ^                    | ^                            | ^                           |
| Pointe Coupee        | 160.0     | 56.4               | ^      | ^                 | ^        | ^     | ^                           | ^        | ^                    | ^                            | ^                           |
| Rapides              | 140.0     | 39.1               | 18.6   | 10.4              | 11.0     | 7.3   | 5.5                         | 4.8      | ^                    | ^                            | ^                           |
| Red River            | 130.8     | ^                  | ^      | ^                 | ^        | ^     | ^                           | ^        | ^                    | ^                            | ^                           |
| Richland             | 161.9     | 45.0               | ^      | ^                 | ^        | ^     | ^                           | ^        | ^                    | ^                            | ^                           |
| Sabine               | 193.2     | 56.4               | ^      | 29.7              | ^        | ^     | ^                           | ^        | ^                    | ^                            | ^                           |
| St. Bernard          | 216.4     | 76.4               | ^      | ^                 | ^        | ^     | ^                           | ^        | ^                    | ^                            | ^                           |
| St. Charles          | 155.4     | 48.7               | 19.9   | ^                 | ^        | ^     | ^                           | ^        | ^                    | ^                            | ^                           |
| St. Helena           | 194.7     | ^                  | ^      | ^                 | ^        | ^     | ^                           | ^        | ^                    | ^                            | ^                           |
| St. James            | 137.7     | ^                  | ^      | ^                 | ^        | ^     | ^                           | ^        | ^                    | ^                            | ^                           |
| St. John the Baptist | 191.6     | 48.2               | 32.6   | ^                 | ^        | ^     | ^                           | ^        | ^                    | ^                            | ^                           |
| St. Landry           | 166.9     | 50.2               | 22.9   | 15.6              | 17.3     | ^     | ^                           | ^        | ^                    | ^                            | ^                           |
| St. Martin           | 159.5     | 54.4               | 21.1   | ^                 | ^        | ^     | ^                           | ^        | ^                    | ^                            | ^                           |
| St. Mary             | 171.3     | 47.1               | 17.0   | ^                 | ^        | ^     | ^                           | ^        | ^                    | ^                            | ^                           |
| St. Tammany          | 152.0     | 43.1               | 24.0   | 10.3              | 10.3     | 8.9   | 4.5                         | 6.0      | 4.3                  | 2.9                          | 3.4                         |
| Tangipahoa           | 158.6     | 44.5               | 20.0   | 16.6              | 10.2     | ^     | ^                           | ^        | ^                    | 6.6                          | ^                           |
| Tensas               | ^         | ^                  | ^      | ^                 | ^        | ^     | ^                           | ^        | ^                    | ^                            | ^                           |
| Terrebonne           | 167.5     | 47.8               | 23.3   | 10.2              | 13.9     | 7.5   | ^                           | ^        | ^                    | ^                            | ^                           |
| Union                | 179.4     | 51.7               | 30.9   | ^                 | ^        | ^     | ^                           | ^        | ^                    | ^                            | ^                           |
| Vermilion            | 163.2     | 52.0               | 20.5   | 16.3              | ^        | ^     | ^                           | ^        | ^                    | ^                            | ^                           |
| Vernon               | 171.3     | 58.7               | 19.1   | ^                 | ^        | ^     | ^                           | ^        | ^                    | ^                            | ^                           |
| Washington           | 166.6     | 56.0               | 18.9   | 14.8              | ^        | ^     | ^                           | ^        | ^                    | ^                            | ^                           |
| Webster              | 168.8     | 47.1               | 21.0   | ^                 | ^        | ^     | ^                           | ^        | ^                    | ^                            | ^                           |
| West Baton Rouge     | 119.2     | ^                  | ^      | ^                 | ^        | ^     | ^                           | ^        | ^                    | ^                            | ^                           |
| West Carroll         | 160.2     | 61.9               | ^      | ^                 | ^        | ^     | ^                           | ^        | ^                    | ^                            | ^                           |
| West Feliciana       | 91.4      | ^                  | ^      | ^                 | ^        | ^     | ^                           | ^        | ^                    | ^                            | ^                           |
| Winn                 | 150.7     | 57.8               | ^      | ^                 | ^        | ^     | ^                           | ^        | ^                    | ^                            | ^                           |

<sup>1</sup>Rates per 100,000 person-years, age adjusted to the U.S. 2000 standard.

<sup>2</sup>Deaths are assigned to the parish of residence, not where the death occurred.

^ Rates are not generated for cells with fewer than 16 deaths in five years.





**Table L3. Ten Most Common Causes of Cancer Deaths, 2007-2011: Black Males (2)**

| Louisiana Parish     | All Sites | Lung & Bronchus | Prostate | Colon & Rectum | Pancreas | Liver & Bile Duct | Stomach | Myeloma | Leukemia | Esophagus | Kidney & Renal Pelvis |
|----------------------|-----------|-----------------|----------|----------------|----------|-------------------|---------|---------|----------|-----------|-----------------------|
| Livingston           | 297.5     | ^               | ^        | ^              | ^        | ^                 | ^       | ^       | ^        | ^         | ^                     |
| Madison              | 283.6     | ^               | ^        | ^              | ^        | ^                 | ^       | ^       | ^        | ^         | ^                     |
| Morehouse            | 249.0     | 70.6            | ^        | ^              | ^        | ^                 | ^       | ^       | ^        | ^         | ^                     |
| Natchitoches         | 225.2     | 102.6           | ^        | ^              | ^        | ^                 | ^       | ^       | ^        | ^         | ^                     |
| Orleans              | 328.6     | 102.7           | 44.4     | 35.8           | 13.7     | 23.6              | 13.0    | 9.6     | 11.6     | 4.2       | 9.9                   |
| Ouachita             | 324.1     | 94.4            | 64.9     | 42.7           | ^        | ^                 | ^       | ^       | ^        | ^         | ^                     |
| Plaquemines          | 390.2     | ^               | ^        | ^              | ^        | ^                 | ^       | ^       | ^        | ^         | ^                     |
| Pointe Coupee        | 310.1     | 98.9            | ^        | ^              | ^        | ^                 | ^       | ^       | ^        | ^         | ^                     |
| Rapides              | 288.2     | 100.2           | 42.8     | 24.1           | ^        | ^                 | ^       | ^       | ^        | ^         | ^                     |
| Red River            | 410.3     | ^               | ^        | ^              | ^        | ^                 | ^       | ^       | ^        | ^         | ^                     |
| Richland             | 306.0     | ^               | ^        | ^              | ^        | ^                 | ^       | ^       | ^        | ^         | ^                     |
| Sabine               | 322.6     | ^               | ^        | ^              | ^        | ^                 | ^       | ^       | ^        | ^         | ^                     |
| St. Bernard          | 328.1     | ^               | ^        | ^              | ^        | ^                 | ^       | ^       | ^        | ^         | ^                     |
| St. Charles          | 296.6     | 99.1            | ^        | ^              | ^        | ^                 | ^       | ^       | ^        | ^         | ^                     |
| St. Helena           | 277.9     | ^               | ^        | ^              | ^        | ^                 | ^       | ^       | ^        | ^         | ^                     |
| St. James            | 386.0     | 108.4           | ^        | ^              | ^        | ^                 | ^       | ^       | ^        | ^         | ^                     |
| St. John the Baptist | 299.1     | 87.9            | ^        | ^              | ^        | ^                 | ^       | ^       | ^        | ^         | ^                     |
| St. Landry           | 341.4     | 112.5           | 31.4     | 34.2           | ^        | ^                 | ^       | ^       | ^        | ^         | ^                     |
| St. Martin           | 354.6     | 97.7            | ^        | ^              | ^        | ^                 | ^       | ^       | ^        | ^         | ^                     |
| St. Mary             | 283.2     | 90.9            | ^        | ^              | ^        | ^                 | ^       | ^       | ^        | ^         | ^                     |
| St. Tammany          | 280.0     | 91.9            | ^        | ^              | ^        | ^                 | ^       | ^       | ^        | ^         | ^                     |
| Tangipahoa           | 321.9     | 96.9            | 76.0     | ^              | ^        | ^                 | ^       | ^       | ^        | ^         | ^                     |
| Tensas               | 384.0     | ^               | ^        | ^              | ^        | ^                 | ^       | ^       | ^        | ^         | ^                     |
| Terrebonne           | 368.1     | 103.4           | ^        | 54.2           | ^        | 37.4              | ^       | ^       | ^        | ^         | ^                     |
| Union                | 251.1     | ^               | ^        | ^              | ^        | ^                 | ^       | ^       | ^        | ^         | ^                     |
| Vermilion            | 413.5     | 138.5           | ^        | ^              | ^        | ^                 | ^       | ^       | ^        | ^         | ^                     |
| Vernon               | 197.1     | ^               | ^        | ^              | ^        | ^                 | ^       | ^       | ^        | ^         | ^                     |
| Washington           | 330.9     | 99.6            | 73.2     | ^              | ^        | ^                 | ^       | ^       | ^        | ^         | ^                     |
| Webster              | 358.5     | 111.6           | ^        | ^              | ^        | ^                 | ^       | ^       | ^        | ^         | ^                     |
| West Baton Rouge     | 244.2     | 97.9            | ^        | ^              | ^        | ^                 | ^       | ^       | ^        | ^         | ^                     |
| West Carroll         | ^         | ^               | ^        | ^              | ^        | ^                 | ^       | ^       | ^        | ^         | ^                     |
| West Feliciana       | 229.4     | ^               | ^        | ^              | ^        | ^                 | ^       | ^       | ^        | ^         | ^                     |
| Winn                 | 334.5     | ^               | ^        | ^              | ^        | ^                 | ^       | ^       | ^        | ^         | ^                     |

<sup>1</sup>Rates per 100,000 person-years, age adjusted to the U.S. 2000 standard.

<sup>2</sup>Deaths are assigned to the parish of residence, not where the death occurred.

^ Rates are not generated for cells with fewer than 16 deaths in five years.

**Table L4. Ten Most Common Causes of Cancer Deaths, 2007-2011: Black Females (1)**Average Annual Mortality Rates<sup>1</sup> by Louisiana Parish<sup>2</sup>

| Louisiana Parish | All Sites | Lung & Bronchus | Breast | Colon & Rectum | Pancreas | Stomach | Ovary | Leukemia | Corpus & Uterus, NOS | Liver & Bile Duct | Myeloma |
|------------------|-----------|-----------------|--------|----------------|----------|---------|-------|----------|----------------------|-------------------|---------|
| Louisiana        | 182.5     | 39.7            | 33.9   | 20.0           | 13.1     | 6.8     | 6.6   | 5.6      | 5.6                  | 5.5               | 5.2     |
| Acadia           | 233.0     | 59.7            | 60.0   | ^              | ^        | ^       | ^     | ^        | ^                    | ^                 | ^       |
| Allen            | ^         | ^               | ^      | ^              | ^        | ^       | ^     | ^        | ^                    | ^                 | ^       |
| Ascension        | 181.1     | ^               | 41.1   | ^              | ^        | ^       | ^     | ^        | ^                    | ^                 | ^       |
| Assumption       | 194.4     | ^               | ^      | ^              | ^        | ^       | ^     | ^        | ^                    | ^                 | ^       |
| Avoyelles        | 217.4     | 67.9            | ^      | ^              | ^        | ^       | ^     | ^        | ^                    | ^                 | ^       |
| Beauregard       | 190.5     | ^               | ^      | ^              | ^        | ^       | ^     | ^        | ^                    | ^                 | ^       |
| Bienville        | 180.8     | ^               | ^      | ^              | ^        | ^       | ^     | ^        | ^                    | ^                 | ^       |
| Bossier          | 147.8     | 32.3            | ^      | ^              | ^        | ^       | ^     | ^        | ^                    | ^                 | ^       |
| Caddo            | 191.3     | 33.2            | 36.5   | 23.8           | 12.9     | 8.3     | 8.4   | ^        | 10.6                 | 5.1               | 5.6     |
| Calcasieu        | 185.9     | 45.9            | 27.7   | 22.3           | ^        | ^       | ^     | ^        | ^                    | ^                 | ^       |
| Caldwell         | ^         | ^               | ^      | ^              | ^        | ^       | ^     | ^        | ^                    | ^                 | ^       |
| Cameron          | ^         | ^               | ^      | ^              | ^        | ^       | ^     | ^        | ^                    | ^                 | ^       |
| Catahoula        | ^         | ^               | ^      | ^              | ^        | ^       | ^     | ^        | ^                    | ^                 | ^       |
| Claiborne        | 118.4     | ^               | ^      | ^              | ^        | ^       | ^     | ^        | ^                    | ^                 | ^       |
| Concordia        | 172.8     | ^               | ^      | ^              | ^        | ^       | ^     | ^        | ^                    | ^                 | ^       |
| De Soto          | 166.5     | ^               | ^      | ^              | ^        | ^       | ^     | ^        | ^                    | ^                 | ^       |
| East Baton Rouge | 177.6     | 35.3            | 32.0   | 18.6           | 15.9     | 6.4     | 6.2   | 6.2      | 5.8                  | 6.0               | 8.0     |
| East Carroll     | 186.6     | ^               | ^      | ^              | ^        | ^       | ^     | ^        | ^                    | ^                 | ^       |
| East Feliciana   | 131.7     | ^               | ^      | ^              | ^        | ^       | ^     | ^        | ^                    | ^                 | ^       |
| Evangeline       | 143.2     | ^               | ^      | ^              | ^        | ^       | ^     | ^        | ^                    | ^                 | ^       |
| Franklin         | 138.9     | ^               | ^      | ^              | ^        | ^       | ^     | ^        | ^                    | ^                 | ^       |
| Grant            | ^         | ^               | ^      | ^              | ^        | ^       | ^     | ^        | ^                    | ^                 | ^       |
| Iberia           | 205.7     | 50.8            | 39.3   | ^              | ^        | ^       | ^     | ^        | ^                    | ^                 | ^       |
| Iberville        | 188.3     | ^               | ^      | ^              | ^        | ^       | ^     | ^        | ^                    | ^                 | ^       |
| Jackson          | 241.5     | ^               | ^      | ^              | ^        | ^       | ^     | ^        | ^                    | ^                 | ^       |
| Jefferson        | 196.1     | 52.8            | 38.4   | 16.6           | 13.9     | ^       | ^     | ^        | ^                    | ^                 | ^       |
| Jefferson Davis  | 219.4     | ^               | ^      | ^              | ^        | ^       | ^     | ^        | ^                    | ^                 | ^       |
| Lafayette        | 179.2     | 39.8            | 28.4   | 15.4           | ^        | ^       | ^     | ^        | ^                    | ^                 | ^       |
| Lafourche        | 250.2     | ^               | 65.3   | ^              | ^        | ^       | ^     | ^        | ^                    | ^                 | ^       |
| La Salle         | ^         | ^               | ^      | ^              | ^        | ^       | ^     | ^        | ^                    | ^                 | ^       |
| Lincoln          | 168.8     | ^               | 41.0   | ^              | ^        | ^       | ^     | ^        | ^                    | ^                 | ^       |

**Table L4. Ten Most Common Causes of Cancer Deaths, 2007-2011: Black Females (2)**

| Louisiana Parish     | All Sites | Lung & Bronchus | Breast | Colon & Rectum | Pancreas | Stomach | Ovary | Leukemia | Corpus & Uterus, NOS | Liver & Bile Duct | Myeloma |
|----------------------|-----------|-----------------|--------|----------------|----------|---------|-------|----------|----------------------|-------------------|---------|
| Livingston           | 226.6     | ^               | ^      | ^              | ^        | ^       | ^     | ^        | ^                    | ^                 | ^       |
| Madison              | 196.0     | ^               | ^      | ^              | ^        | ^       | ^     | ^        | ^                    | ^                 | ^       |
| Morehouse            | 171.0     | ^               | ^      | ^              | ^        | ^       | ^     | ^        | ^                    | ^                 | ^       |
| Natchitoches         | 133.1     | ^               | ^      | ^              | ^        | ^       | ^     | ^        | ^                    | ^                 | ^       |
| Orleans              | 177.8     | 41.2            | 34.2   | 18.9           | 8.8      | 4.9     | 8.1   | 5.6      | 5.1                  | 7.6               | 3.8     |
| Ouachita             | 197.5     | 41.4            | 36.9   | 20.1           | ^        | ^       | ^     | ^        | ^                    | ^                 | ^       |
| Plaquemines          | 203.8     | ^               | ^      | ^              | ^        | ^       | ^     | ^        | ^                    | ^                 | ^       |
| Pointe Coupee        | 150.8     | ^               | ^      | ^              | ^        | ^       | ^     | ^        | ^                    | ^                 | ^       |
| Rapides              | 182.5     | 37.5            | 32.2   | 23.7           | 20.6     | ^       | ^     | ^        | ^                    | ^                 | ^       |
| Red River            | ^         | ^               | ^      | ^              | ^        | ^       | ^     | ^        | ^                    | ^                 | ^       |
| Richland             | 173.0     | ^               | ^      | ^              | ^        | ^       | ^     | ^        | ^                    | ^                 | ^       |
| Sabine               | 183.9     | ^               | ^      | ^              | ^        | ^       | ^     | ^        | ^                    | ^                 | ^       |
| St. Bernard          | 179.8     | ^               | ^      | ^              | ^        | ^       | ^     | ^        | ^                    | ^                 | ^       |
| St. Charles          | 180.6     | ^               | ^      | ^              | ^        | ^       | ^     | ^        | ^                    | ^                 | ^       |
| St. Helena           | 123.1     | ^               | ^      | ^              | ^        | ^       | ^     | ^        | ^                    | ^                 | ^       |
| St. James            | 163.0     | ^               | ^      | ^              | ^        | ^       | ^     | ^        | ^                    | ^                 | ^       |
| St. John the Baptist | 223.2     | 55.4            | 47.5   | ^              | ^        | ^       | ^     | ^        | ^                    | ^                 | ^       |
| St. Landry           | 218.5     | 47.7            | 30.5   | 27.2           | 21.0     | ^       | ^     | ^        | ^                    | ^                 | ^       |
| St. Martin           | 154.4     | 44.7            | ^      | ^              | ^        | ^       | ^     | ^        | ^                    | ^                 | ^       |
| St. Mary             | 222.2     | 46.1            | ^      | ^              | ^        | ^       | ^     | ^        | ^                    | ^                 | ^       |
| St. Tammany          | 194.9     | 49.5            | 41.7   | ^              | ^        | ^       | ^     | ^        | ^                    | ^                 | ^       |
| Tangipahoa           | 185.6     | 51.3            | 31.6   | ^              | ^        | ^       | ^     | ^        | ^                    | ^                 | ^       |
| Tensas               | 204.3     | ^               | ^      | ^              | ^        | ^       | ^     | ^        | ^                    | ^                 | ^       |
| Terrebonne           | 207.8     | 37.8            | 37.6   | ^              | ^        | ^       | ^     | ^        | ^                    | ^                 | ^       |
| Union                | 215.8     | ^               | ^      | ^              | ^        | ^       | ^     | ^        | ^                    | ^                 | ^       |
| Vermilion            | 196.2     | ^               | ^      | ^              | ^        | ^       | ^     | ^        | ^                    | ^                 | ^       |
| Vernon               | 265.5     | ^               | ^      | ^              | ^        | ^       | ^     | ^        | ^                    | ^                 | ^       |
| Washington           | 174.5     | ^               | ^      | ^              | ^        | ^       | ^     | ^        | ^                    | ^                 | ^       |
| Webster              | 156.3     | ^               | ^      | ^              | ^        | ^       | ^     | ^        | ^                    | ^                 | ^       |
| West Baton Rouge     | 162.4     | ^               | ^      | ^              | ^        | ^       | ^     | ^        | ^                    | ^                 | ^       |
| West Carroll         | ^         | ^               | ^      | ^              | ^        | ^       | ^     | ^        | ^                    | ^                 | ^       |
| West Feliciana       | ^         | ^               | ^      | ^              | ^        | ^       | ^     | ^        | ^                    | ^                 | ^       |
| Winn                 | ^         | ^               | ^      | ^              | ^        | ^       | ^     | ^        | ^                    | ^                 | ^       |

<sup>1</sup>Rates per 100,000 person-years, age adjusted to the U.S. 2000 standard.

<sup>2</sup>Deaths are assigned to the parish of residence, not where the death occurred.

^ Rates are not generated for cells with fewer than 16 deaths in five years.

**Table M1. Ten Most Common Causes of Cancer Death,<sup>1</sup> 2007-2011: White Males**  
U.S., Louisiana, and Louisiana Tumor Registry Regions<sup>2</sup>

| Primary Site            | U.S.  | Louisiana | New Orleans<br>Region | Baton Rouge<br>Region | Southeast<br>Region | Acadiana<br>Region | Southwest<br>Region | Central<br>Region | Northwest<br>Region | Northeast<br>Region |
|-------------------------|-------|-----------|-----------------------|-----------------------|---------------------|--------------------|---------------------|-------------------|---------------------|---------------------|
| All Sites Combined      | 209.8 | 234.4 ↑   | 224.1 *               | 226                   | 232.7               | 245.5 #            | 235.2               | 258.8 #           | 231.5               | 238.9               |
| Lung & Bronchus         | 61.4  | 74.1 ↑    | 60.1 *                | 74.9                  | 70.6                | 78.0               | 78.9                | 90.3 #            | 74.6                | 77.9                |
| Colon and Rectum        | 18.5  | 20.7 ↑    | 18.4                  | 20.5                  | 20.3                | 22.8               | 19.9                | 21.6              | 22.0                | 21.1                |
| Prostate                | 20.6  | 19.6      | 20.8                  | 17.1                  | 19.8                | 20.9               | 17.2                | 21.9              | 19.4                | 21.1                |
| Pancreas                | 12.5  | 14.1 ↑    | 13.2                  | 15.4                  | 13.8                | 15.4               | 12.1                | 15.0              | 12.5                | 14.9                |
| Leukemia                | 9.7   | 10.5 ↑    | 10.2                  | 8.5 *                 | 12.5                | 10.2               | 12.9                | 12.7              | 10.0                | 9.6                 |
| Liver & Bile duct       | 7.8   | 10.3 ↑    | 14.2 #                | 9.3                   | 11.1                | 9.5                | 10.2                | 8.7               | 8.9                 | 8.8                 |
| Non-Hodgkin lymphoma    | 8.4   | 9.3 ↑     | 10.2                  | 7.6                   | 9.7                 | 10.0               | 10.6                | 9.3               | 8.8                 | 8.7                 |
| Urinary Bladder         | 8.1   | 7.8       | 8.5                   | 9.1                   | 8.0                 | 7.8                | 5.9                 | 6.3               | 8.2                 | 5.4                 |
| Esophagus               | 7.8   | 7.5       | 8.6                   | 7.1                   | 7.1                 | 7.6                | 7.7                 | 7.5               | 6.7                 | 7.6                 |
| Kidney and Renal Pelvis | 5.9   | 6.9 ↑     | 6.4                   | 6.3                   | 7.2                 | 9.0 #              | 7.3                 | 6.8               | 5.4                 | 8.2                 |

<sup>1</sup>Average annual rates per 100,000 person-years, age-adjusted to the U.S. 2000 standard.

<sup>2</sup>See Introduction for a list of parishes in LTR regions.

↑ or ↓ The Louisiana rate is significantly higher or lower ( $p < 0.05$ ) than the U.S. rate.

\* The regional rate is significantly lower ( $p < 0.05$ ) than the Louisiana rate.

# The regional rate is significantly higher ( $p < 0.05$ ) than the Louisiana rate.

**Table M2. Ten Most Common Causes of Cancer Death,<sup>1</sup> 2007-2011: White Females**  
U.S., Louisiana, and Louisiana Tumor Registry Regions<sup>2</sup>

| Primary Site            | U.S.  | Louisiana | New Orleans<br>Region | Baton Rouge<br>Region | Southeast<br>Region | Acadiana<br>Region | Southwest<br>Region | Central<br>Region | Northwest<br>Region | Northeast<br>Region |
|-------------------------|-------|-----------|-----------------------|-----------------------|---------------------|--------------------|---------------------|-------------------|---------------------|---------------------|
| All Sites Combined      | 147.5 | 155.9 ↑   | 159.0                 | 147.1 *               | 156.2               | 164.1 #            | 159.2               | 158.3             | 153.7               | 152.9               |
| Lung & Bronchus         | 39.8  | 44.9 ↑    | 42.9                  | 42.5                  | 44.9                | 49.9 #             | 45.6                | 46.0              | 43.0                | 46.4                |
| Breast                  | 21.7  | 21.8      | 23.0                  | 20.6                  | 22.9                | 22.9               | 21.4                | 22.3              | 19.3                | 21.2                |
| Colon and Rectum        | 13.0  | 13.8 ↑    | 15.0                  | 12.9                  | 12.3                | 14.2               | 15.6                | 13.4              | 14.1                | 14.3                |
| Pancreas                | 9.4   | 10.8 ↑    | 9.2                   | 9.3                   | 11.3                | 11.4               | 14.6 #              | 12.8              | 10.8                | 11.0                |
| Ovary                   | 8.2   | 7.6       | 9.2                   | 8.2                   | 7.0                 | 6.4                | 5.7                 | 8.0               | 7.9                 | 7.6                 |
| Non-Hodgkin lymphoma    | 5.2   | 5.5       | 6.1                   | 5.2                   | 6.1                 | 5.4                | 4.7                 | 5.5               | 5.3                 | 5.5                 |
| Leukemia                | 5.4   | 5.4       | 6.7                   | 5.1                   | 5.9                 | 4.7                | 4.4                 | 4.5               | 6.4                 | 3.9                 |
| Brain & Nervous system  | 3.8   | 3.8       | 2.9                   | 4.1                   | 3.2                 | 3.5                | 4.1                 | 4.7               | 4.8                 | 4.3                 |
| Liver and Bile duct     | 3.2   | 3.9 ↑     | 3.8                   | 3.7                   | 3.4                 | 4.5                | 3.1                 | 3.8               | 5.0                 | 3.0                 |
| Kidney and Renal Pelvis | 2.6   | 3.5 ↑     | 3.3                   | 3.3                   | 3.5                 | 4.3                | 4.4                 | 2.5               | 3.1                 | 3.3                 |

<sup>1</sup>Average annual rates per 100,000 person-years, age-adjusted to the U.S. 2000 standard.

<sup>2</sup>See Introduction for a list of parishes in LTR regions.

↑ or ↓ The Louisiana rate is significantly higher or lower ( $p < 0.05$ ) than the U.S. rate.

\* The regional rate is significantly lower ( $p < 0.05$ ) than the Louisiana rate.

# The regional rate is significantly higher ( $p < 0.05$ ) than the Louisiana rate.

**Table M3. Ten Most Common Causes of Cancer Death,<sup>1</sup> 2007-2011: Black Males**  
**U.S., Louisiana, and Louisiana Tumor Registry Regions<sup>2</sup>**

| Primary Site            | U.S.  | Louisiana | New Orleans<br>Region | Baton Rouge<br>Region | Southeast<br>Region | Acadiana<br>Region | Southwest<br>Region | Central<br>Region | Northwest<br>Region | Northeast<br>Region |
|-------------------------|-------|-----------|-----------------------|-----------------------|---------------------|--------------------|---------------------|-------------------|---------------------|---------------------|
| All Sites Combined      | 269.3 | 311.5 ↑   | 320.0                 | 301.9                 | 322.7               | 336.4 #            | 266.0 *             | 315.8             | 307.4               | 305.1               |
| Lung & Bronchus         | 75.7  | 97.2 ↑    | 97.6                  | 94.5                  | 100.1               | 103.9              | 88.1                | 97.4              | 100.0               | 91.1                |
| Prostate                | 48.9  | 46.8      | 45.8                  | 46.3                  | 48.2                | 37.9               | 42.6                | 54.9              | 51.0                | 51.2                |
| Colon and Rectum        | 27.7  | 33.1 ↑    | 36.2                  | 31.8                  | 36.0                | 31.3               | 28.1                | 28.5              | 33.8                | 33.7                |
| Pancreas                | 15.3  | 15.4      | 14.1                  | 16.5                  | 17.0                | 19.1               | 15.7                | 13.8              | 12.6                | 16.0                |
| Liver & Bile duct       | 12.1  | 14.9 ↑    | 20.2 #                | 14.5                  | 19.2                | 16.6               | 10.6                | 10.0              | 11.7                | 7.6 *               |
| Stomach                 | 9.6   | 13.0 ↑    | 13.6                  | 14.2                  | 16.0                | 14.3               | ^                   | 10.1              | 10.9                | 12.6                |
| Myeloma                 | 7.7   | 8.9       | 9.3                   | 8.8                   | 9.1                 | 9.5                | ^                   | 13.8              | 9.3                 | ^                   |
| Leukemia                | 8.0   | 8.8       | 10.8                  | 8.7                   | ^                   | 8.6                | ^                   | ^                 | 6.2                 | 12.2                |
| Esophagus               | 7.4   | 8.0       | 5.0 *                 | 7.8                   | 7.4                 | 12.2 #             | ^                   | 13.1              | 8.1                 | 8.1                 |
| Kidney and Renal Pelvis | 5.6   | 7.6 ↑     | 8.6                   | 6.0                   | ^                   | 7.9                | ^                   | ^                 | 7.9                 | 12.7 #              |

<sup>1</sup>Average annual rates per 100,000 person-years, age-adjusted to the U.S. 2000 standard.

<sup>2</sup>See Introduction for a list of parishes in LTR regions.

↑ or ↓ The Louisiana rate is significantly higher or lower ( $p < 0.05$ ) than the U.S. rate.

\* The regional rate is significantly lower ( $p < 0.05$ ) than the Louisiana rate.

# The regional rate is significantly higher ( $p < 0.05$ ) than the Louisiana rate.

**Table M4. Ten Most Common Causes of Cancer Death,<sup>1</sup> 2007-2011: Black Females**  
U.S., Louisiana, and Louisiana Tumor Registry Regions<sup>2</sup>

| Primary Site                     | U.S. | Louisiana | New Orleans<br>Region | Baton Rouge<br>Region | Southeast<br>Region | Acadiana<br>Region | Southwest<br>Region | Central<br>Region | Northwest<br>Region | Northeast<br>Region |
|----------------------------------|------|-----------|-----------------------|-----------------------|---------------------|--------------------|---------------------|-------------------|---------------------|---------------------|
| All Sites Combined               | 169  | 182.5 ↑   | 183.2                 | 173.8                 | 199.0               | 196.1              | 180.1               | 187.7             | 171.6               | 187.3               |
| Lung & Bronchus                  | 36.5 | 39.7 ↑    | 44.5                  | 35.8                  | 43.5                | 45.0               | 46.1                | 40.9              | 31.2 *              | 39.0                |
| Breast                           | 30.6 | 33.9 ↑    | 35.4                  | 33.4                  | 41.0                | 31.3               | 27.1                | 30.4              | 32.6                | 36.3                |
| Colon and Rectum                 | 18.5 | 20.0      | 18.2                  | 17.9                  | 19.5                | 21.7               | 19.5                | 26.0              | 21.5                | 21.5                |
| Pancreas                         | 12.4 | 13.1      | 10.5                  | 15.7                  | 16.5                | 12.7               | 12.4                | 17.7              | 11.8                | 10.6                |
| Stomach                          | 4.5  | 6.8 ↑     | 5.4                   | 5.4                   | 10.3                | 9.3                | ^                   | 8.7               | 7.0                 | ^                   |
| Ovary                            | 6.6  | 6.6       | 7.7                   | 5.7                   | ^                   | 7.8                | ^                   | ^                 | 7.3                 | 6.3                 |
| Leukemia                         | 4.8  | 5.6 ↑     | 5.8                   | 6.1                   | 7.5                 | 5.6                | ^                   | ^                 | 4.6                 | 5.5                 |
| Corpus and Uterus NOS            | 4.2  | 5.6 ↑     | 4.9                   | 5.1                   | ^                   | 7.4                | ^                   | ^                 | 7.1                 | 5.6                 |
| Liver and Intrahepatic Bile Duct | 7.5  | 5.5 ↓     | 7.2                   | 5.3                   | ^                   | 5.0                | 10.2 #              | ^                 | 4.2                 | ^                   |
| Myeloma                          | 5.3  | 5.2       | 4.1                   | 7.3                   | ^                   | 7.1                | ^                   | ^                 | 3.9                 | ^                   |

<sup>1</sup>Average annual rates per 100,000 person-years, age-adjusted to the U.S. 2000 standard.

<sup>2</sup>See Introduction for a list of parishes in LTR regions.

↑ or ↓ The Louisiana rate is significantly higher or lower ( $p < 0.05$ ) than the U.S. rate.

\* The regional rate is significantly lower ( $p < 0.05$ ) than the Louisiana rate.

# The regional rate is significantly higher ( $p < 0.05$ ) than the Louisiana rate.



**Table N1. Ten Most Common Causes of Cancer Death,<sup>1</sup> 2007-2011: White Males**  
U.S., Louisiana, and Louisiana Office of Public Health Regions<sup>2</sup>

| Primary Site            | U.S.  | Louisiana | New Orleans<br>Region | Baton Rouge<br>Region | Southeast<br>Region | Acadiana<br>Region | Southwest<br>Region | Central<br>Region | Northwest<br>Region | Northeast<br>Region | North<br>Lake<br>Region |
|-------------------------|-------|-----------|-----------------------|-----------------------|---------------------|--------------------|---------------------|-------------------|---------------------|---------------------|-------------------------|
| All Sites Combined      | 209.8 | 234.4 ↑   | 222.9 *               | 210.6 *               | 235.1               | 245.6 #            | 235.2               | 258.8 #           | 231.5               | 238.9               | 244.1                   |
| Lung & Bronchus         | 61.4  | 74.1 ↑    | 59.5 *                | 66.3 *                | 72.4                | 78.6               | 78.9                | 90.3 #            | 74.6                | 77.9                | 79.8                    |
| Colon and Rectum        | 18.5  | 20.7 ↑    | 18.0                  | 19.3                  | 22.5                | 22.7               | 19.9                | 21.6              | 22.0                | 21.1                | 20.7                    |
| Prostate                | 20.6  | 19.6      | 20.8                  | 17.6                  | 17.6                | 21.4               | 17.2                | 21.9              | 19.4                | 21.1                | 19.1                    |
| Pancreas                | 12.5  | 14.1 ↑    | 13.0                  | 14.5                  | 15.9                | 15.1               | 12.1                | 15.0              | 12.5                | 14.9                | 14.5                    |
| Leukemia                | 9.7   | 10.5 ↑    | 10.3                  | 7.6 *                 | 12.6                | 9.9                | 12.9                | 12.7              | 10.0                | 9.6                 | 11.6                    |
| Liver & Bile duct       | 7.8   | 10.3 ↑    | 14.0 #                | 7.8 *                 | 10.6                | 9.4                | 10.2                | 8.7               | 8.9                 | 8.8                 | 12.2                    |
| Non-Hodgkin lymphoma    | 8.4   | 9.3 ↑     | 10.0                  | 8.1                   | 9.9                 | 9.9                | 10.6                | 9.3               | 8.8                 | 8.7                 | 8.6                     |
| Urinary Bladder         | 8.1   | 7.8       | 8.9                   | 9.6                   | 7.2                 | 7.6                | 5.9                 | 6.3               | 8.2                 | 5.4                 | 8.1                     |
| Esophagus               | 7.8   | 7.5       | 8.4                   | 6.6                   | 5.6                 | 8.1                | 7.7                 | 7.5               | 6.7                 | 7.6                 | 8.5                     |
| Kidney and Renal Pelvis | 5.9   | 6.9 ↑     | 6.4                   | 6.3                   | 7.9                 | 9.2 #              | 7.3                 | 6.8               | 5.4                 | 8.2                 | 6.4                     |

<sup>1</sup>Average annual rates per 100,000 person-years, age-adjusted to the U.S. 2000 standard.

<sup>2</sup>Parishes for each OPH region listed in Appendix A

↑ or ↓ The Louisiana rate is significantly higher or lower (p < 0.05) than the U.S. rate.

\* The regional rate is significantly lower (p < 0.05) than the Louisiana rate.

# The regional rate is significantly higher (p < 0.05) than the Louisiana rate.

**Table N2. Ten Most Common Causes of Cancer Death,<sup>1</sup> 2007-2011: White Females**  
U.S., Louisiana, and Louisiana Office of Public Health Regions<sup>2</sup>

| Primary Site            | U.S.  | Louisiana | New Orleans<br>Region | Baton Rouge<br>Region | Southeast<br>Region | Acadiana<br>Region | Southwest<br>Region | Central<br>Region | Northwest<br>Region | Northeast<br>Region | North<br>Lake<br>Region |
|-------------------------|-------|-----------|-----------------------|-----------------------|---------------------|--------------------|---------------------|-------------------|---------------------|---------------------|-------------------------|
| All Sites Combined      | 147.5 | 155.9 ↑   | 158.9                 | 143.9 *               | 158.8               | 163.5 #            | 159.2               | 158.3             | 153.7               | 152.9               | 154.0                   |
| Lung & Bronchus         | 39.8  | 44.9 ↑    | 43.0                  | 41.2                  | 45.3                | 50.1 #             | 45.6                | 46.0              | 43.0                | 46.4                | 44.9                    |
| Breast                  | 21.7  | 21.8      | 23.0                  | 20.7                  | 21.9                | 23.5               | 21.4                | 22.3              | 19.3                | 21.2                | 21.9                    |
| Colon and Rectum        | 13.0  | 13.8 ↑    | 14.9                  | 12.4                  | 13.2                | 14.4               | 15.6                | 13.4              | 14.1                | 14.3                | 12.3                    |
| Pancreas                | 9.4   | 10.8 ↑    | 9.4                   | 8.8 *                 | 11.4                | 11.2               | 14.6 #              | 12.8              | 10.8                | 11.0                | 10.8                    |
| Ovary                   | 8.2   | 7.6       | 9.0                   | 8.3                   | 6.2                 | 6.5                | 5.7                 | 8.0               | 7.9                 | 7.6                 | 8.1                     |
| Non-Hodgkin Lymphoma    | 5.2   | 5.5       | 6.0                   | 5.2                   | 7.7 #               | 5.3                | 4.7                 | 5.5               | 5.3                 | 5.5                 | 4.8                     |
| Leukemia                | 5.4   | 5.4       | 6.8 #                 | 5.6                   | 6.0                 | 4.5                | 4.4                 | 4.5               | 6.4                 | 3.9                 | 5.0                     |
| Brain & Nervous system  | 3.8   | 3.8       | 2.9                   | 3.8                   | 3.5                 | 3.4                | 4.1                 | 4.7               | 4.8                 | 4.3                 | 3.9                     |
| Liver and Bile duct     | 3.2   | 3.9 ↑     | 3.7                   | 3.5                   | 2.9                 | 4.5                | 3.1                 | 3.8               | 5.0                 | 3.0                 | 4.2                     |
| Kidney and Renal Pelvis | 2.6   | 3.5 ↑     | 3.4                   | 3.5                   | 4.0                 | 4.2                | 4.4                 | 2.5               | 3.1                 | 3.3                 | 2.9                     |

<sup>1</sup>Average annual rates per 100,000 person-years, age-adjusted to the U.S. 2000 standard.

<sup>2</sup>Parishes for each OPH region listed in Appendix A

↑ or ↓ The Louisiana rate is significantly higher or lower (p < 0.05) than the U.S. rate.

\* The regional rate is significantly lower (p < 0.05) than the Louisiana rate.

# The regional rate is significantly higher (p < 0.05) than the Louisiana rate.

**Table N3. Ten Most Common Causes of Cancer Death,<sup>1</sup> 2007-2011: Black Males**  
U.S., Louisiana, and Louisiana Office of Public Health Regions<sup>2</sup>

| Primary Site            | U.S.  | Louisiana | New Orleans<br>Region | Baton Rouge<br>Region | Southeast<br>Region | Acadiana<br>Region | Southwest<br>Region | Central<br>Region | Northwest<br>Region | Northeast<br>Region | North<br>Lake<br>Region |
|-------------------------|-------|-----------|-----------------------|-----------------------|---------------------|--------------------|---------------------|-------------------|---------------------|---------------------|-------------------------|
| All Sites Combined      | 269.3 | 311.5 ↑   | 320.9                 | 300.1                 | 323.7               | 342.8 #            | 266.0 *             | 315.8             | 307.4               | 305.1               | 305.6                   |
| Lung & Bronchus         | 75.7  | 97.2 ↑    | 98.2                  | 94.9                  | 99.5                | 105.2              | 88.1                | 97.4              | 100.0               | 91.1                | 93.5                    |
| Prostate                | 48.9  | 46.8      | 45.0                  | 44.2                  | 41.9                | 39.4               | 42.6                | 54.9              | 51.0                | 51.2                | 58.6                    |
| Colon and Rectum        | 27.7  | 33.1 ↑    | 36.4                  | 34.1                  | 34.6                | 30.4               | 28.1                | 28.5              | 33.8                | 33.7                | 28.4                    |
| Pancreas                | 15.3  | 15.4      | 14.4                  | 16.9                  | 20.0                | 17.6               | 15.7                | 13.8              | 12.6                | 16.0                | 14.9                    |
| Liver & Bile duct       | 12.1  | 14.9 ↑    | 20.0 #                | 14.0                  | 20.2                | 17.9               | 10.6                | 10.0              | 11.7                | 7.6 *               | 14.0                    |
| Stomach                 | 9.6   | 13.0 ↑    | 14.6                  | 13.7                  | 17.5                | 14.4               | ^                   | 10.1              | 10.9                | 12.6                | 10.8                    |
| Myeloma                 | 7.7   | 8.9       | 9.3                   | 9.5                   | ^                   | 10.2               | ^                   | 13.8              | 9.3                 | ^                   | ^                       |
| Leukemia                | 8.0   | 8.8       | 10.7                  | 8.5                   | ^                   | 8.8                | ^                   | ^                 | 6.2                 | 12.2                | ^                       |
| Esophagus               | 7.4   | 8.0       | 4.9 *                 | 7.4                   | 7.7                 | 12.7 #             | ^                   | 13.1              | 8.1                 | 8.1                 | ^                       |
| Kidney and Renal Pelvis | 5.6   | 7.6 ↑     | 8.4                   | 4.3 *                 | 9.2                 | 7.6                | ^                   | ^                 | 7.9                 | 12.7 #              | ^                       |

<sup>1</sup>Average annual rates per 100,000 person-years, age-adjusted to the U.S. 2000 standard.

<sup>2</sup>Parishes for each OPH region listed in Appendix A

↑ or ↓ The Louisiana rate is significantly higher or lower ( $p < 0.05$ ) than the U.S. rate.

\* The regional rate is significantly lower ( $p < 0.05$ ) than the Louisiana rate.

# The regional rate is significantly higher ( $p < 0.05$ ) than the Louisiana rate.

**Table N4. Ten Most Common Causes of Cancer Death,<sup>1</sup> 2007-2011: Black Females**  
U.S., Louisiana, and Louisiana Office of Public Health Regions<sup>2</sup>

| Primary Site                     | U.S.  | Louisiana | New Orleans<br>Region | Baton Rouge<br>Region | Southeast<br>Region | Acadiana<br>Region | Southwest<br>Region | Central<br>Region | Northwest<br>Region | Northeast<br>Region | North<br>Lake<br>Region |
|----------------------------------|-------|-----------|-----------------------|-----------------------|---------------------|--------------------|---------------------|-------------------|---------------------|---------------------|-------------------------|
| All Sites Combined               | 169.0 | 182.5 ↑   | 183.4                 | 171.6                 | 208.8 #             | 193.1              | 180.1               | 187.7             | 171.6               | 187.3               | 183.3                   |
| Lung & Bronchus                  | 36.5  | 39.7 ↑    | 44.0                  | 33.9 *                | 45.9                | 45.1               | 46.1                | 40.9              | 31.2 *              | 39.0                | 43.6                    |
| Breast                           | 30.6  | 33.9 ↑    | 35.7                  | 33.5                  | 41.0                | 31.3               | 27.1                | 30.4              | 32.6                | 36.3                | 32.7                    |
| Colon and Rectum                 | 18.5  | 20.0      | 18.0                  | 18.3                  | 22.9                | 20.0               | 19.5                | 26.0              | 21.5                | 21.5                | 18.1                    |
| Pancreas                         | 12.4  | 13.1      | 10.7                  | 15.7                  | 16.2                | 13.0               | 12.4                | 17.7              | 11.8                | 10.6                | 15.1                    |
| Stomach                          | 4.5   | 6.8 ↑     | 5.4                   | 6.1                   | 9.3                 | 9.8                | ^                   | 8.7               | 7.0                 | ^                   | ^                       |
| Ovary                            | 6.6   | 6.6       | 7.7                   | 5.8                   | 7.2                 | 8.2                | ^                   | ^                 | 7.3                 | 6.3                 | ^                       |
| Leukemia                         | 4.8   | 5.6 ↑     | 5.9                   | 5.8                   | 7.6                 | 5.7                | ^                   | ^                 | 4.6                 | 5.5                 | ^                       |
| Corpus and Uterus NOS            | 4.2   | 5.6 ↑     | 5.0                   | 4.8                   | ^                   | 7.2                | ^                   | ^                 | 7.1                 | 5.6                 | ^                       |
| Liver and Intrahepatic Bile Duct | 7.5   | 5.5 ↓     | 7.4                   | 4.7                   | ^                   | 5.6                | 10.2 #              | ^                 | 4.2                 | ^                   | ^                       |
| Myeloma                          | 5.3   | 5.2       | 4.2                   | 7.5                   | ^                   | 6.8                | ^                   | ^                 | 3.9                 | ^                   | ^                       |

<sup>1</sup>Average annual rates per 100,000 person-years, age-adjusted to the U.S. 2000 standard.

<sup>2</sup>Parishes for each OPH region listed in Appendix A

↑ or ↓ The Louisiana rate is significantly higher or lower (p < 0.05) than the U.S. rate.

\* The regional rate is significantly lower (p < 0.05) than the Louisiana rate.

# The regional rate is significantly higher (p < 0.05) than the Louisiana rate.