

Cancer in Louisiana

*Cancer Incidence and
Mortality in Louisiana*

1995-1999

**THE LOUISIANA
TUMOR REGISTRY**

VOLUME 16

Cancer in Louisiana

Volume 16

Cancer Incidence and Mortality in Louisiana

1995-1999

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2003

Suggested citation:

Correa CN, Wu XC, Andrews PA, Hsieh MC, Chen VW. Cancer Incidence and Mortality in Louisiana, 1995-1999. New Orleans: Louisiana Tumor Registry, 2003. (Cancer in Louisiana; vol. 16.)

Preface

Beginning with 1999 cancer incidence data, the U.S. Department of Health and Human Services adopted the 2000 U.S. standard population for age adjustment. Therefore, the age-adjusted rates presented in this report are adjusted to the new 2000 U.S. standard population, and caution should be used when comparing data with previously published cancer incidence rates that were adjusted to the 1970 U.S. standard population.

Cancer in Louisiana: 1995-1999

Executive Summary

Beginning with 1999 cancer incidence data, the Department of Health and Human Services adopted the 2000 U.S. standard population (see Appendix 4) for age adjustment. The age-adjusted rates presented in this report are, therefore, adjusted to the new 2000 U.S. standard population using the direct method, and can only be meaningfully compared with data also adjusted to the 2000 U.S. standard population. Caution should be used when referring to previously published cancer incidence rates that were adjusted to the 1970 U.S. standard population.

U.S. rate estimates presented in this report are from the Surveillance, Epidemiology and End Results (SEER) program.

- There were 95,947 new cases of invasive cancer diagnosed among residents of Louisiana during the years 1995-1999, averaging about 19,189 cases per year. The average annual age-adjusted (2000 U.S. Standard) incidence rate for cancers of all sites combined was 479 new cases per 100,000 persons. The incidence rate for cancers of all sites was 53% higher among males than females. This pattern is similar to that observed in the U.S.
- During this same five-year time period, 46,743 Louisianans died with cancer, averaging about 9,349 cancer deaths per year. The average annual age-adjusted (2000 U.S. Standard) cancer mortality rate for cancers of all sites combined was 237 cancer deaths per 100,000 persons in Louisiana. The cancer death rate among males in Louisiana was 68% higher for cancers of all sites combined than females. This pattern, too, is similar to that observed in the U.S.
- Black males in Louisiana and in the United States are the most likely group to develop cancer and die with the disease. During the years 1995-1999, the incidence rate for all cancers combined was approximately 16% higher among black males in Louisiana than among white males. The death rate among black

males in Louisiana was 40% higher than among white males for cancers of all sites combined. While there was little difference in the incidence rates for cancers of all sites between black and white females in Louisiana, the death rate among black females was 22% higher than for white females.

- The five most common cancers among males in Louisiana were cancers of the prostate (28% of total incident cases), lung (20%), colon & rectum (12%), bladder (5%), and non-Hodgkin's lymphoma (4%).
- The five most common cancers among females in Louisiana were cancers of the breast (30% of total incident cases), lung (14%), colon & rectum (12%), corpus uteri (4%) and non-Hodgkin's lymphoma (4%).
- Breast cancer was the most commonly diagnosed cancer among women in Louisiana, accounting for 13,534 invasive and 1,912 in situ cases during the years 1995-1999. White females in Louisiana and in the United States have higher breast cancer incidence rates than black females. During the years 1995-1999, the incidence rate for breast cancer was 11% higher among white females in Louisiana than among black females. The breast cancer incidence rates among white or black females in Louisiana were, however, significantly lower than U.S. estimates for white or black females. Black females in Louisiana and in the United States have higher breast cancer death rates than white females. The death rate from breast cancer was 37% higher among black females in Louisiana than among white females.
- Prostate cancer was the most commonly diagnosed cancer among males in Louisiana, accounting for 14,466 cases of invasive cancer during the years 1995-1999. The prostate cancer incidence rate among black males in Louisiana was 45% higher than white males. This pattern was similar to that observed in the U.S. While there was little difference in the incidence rate of

prostate cancer between white males in Louisiana and the U.S., the incidence rate of prostate cancer was significantly lower by 11% among black males in Louisiana than black males in the U.S. Black males in Louisiana have a death rate from prostate cancer that is 125% higher than white males and this is similar to estimates observed in the U.S.

► Lung cancer was the most commonly diagnosed cancer among men and women combined, accounting for 16,476 cases or 17% of all cases of cancer during the years 1995-1999. Lung cancer accounted for 20% of all cancers in males and 14% of all cancers in females. Lung cancer incidence rates were significantly higher by 42% among white males, 22% among black males and 11% among white females in Louisiana compared with U.S. estimates for white males, black males and white females. Louisiana black females, on the other hand, had a statistically significant lower rate of lung cancer incidence by 9% than U.S. black females. Black males in Louisiana and the United States have higher lung cancer mortality rates than white males in Louisiana and the United States. The death rate for lung cancer, however, among white males in Louisiana was 22% higher than white males in the U.S. The death rate for lung cancer among black males in Louisiana was also 22% higher than black males in the U.S.

► Cancer incidence rates in Louisiana vary considerably by cancer site and race and sex when compared with U.S. estimates. Rates for white males in Louisiana were significantly higher than estimates for U.S. white males for cancers of all sites combined, oral cavity and pharynx, colon & rectum, pancreas, larynx, lung & bronchus, and kidney & renal pelvis. Rates among white males in Louisiana were statistically lower than U.S. estimates for cancers of the stomach, testis, non-Hodgkin's lymphoma, multiple myeloma, and leukemia. Among black males in Louisiana, rates were significantly higher for cancers of the esophagus, stomach, larynx, and lung & bronchus compared with U.S. black males. Rates among black males in Louisiana were significantly lower for prostate cancer and non-

Hodgkin's lymphoma. White females in Louisiana had statistically significantly higher rates of cancers of the larynx, lung & bronchus, and kidney and renal pelvis than U.S. white females. Louisiana white females had significantly lower rates for cancers of all sites combined, stomach, breast, corpus uteri, and ovary compared with estimates for U.S. white females. Black females had a significantly higher incidence rate for cancers of the cervix, but significantly lower incidence rates for cancers of all sites combined, colon, lung & bronchus, and breast.

► The average annual age-adjusted (2000 U.S.) incidence rate for cancers of all sites for white males in the Industrial Corridor was 12% higher compared with U.S. estimates for white males. The observed excess of cancers of all sites combined among white males in the Industrial Corridor has been primarily attributed to the significantly higher rates of cancers of the colon & rectum, pancreas, larynx, lung and bronchus, prostate, and kidney & renal pelvis. Though white females residing in the Industrial Corridor had lower rates of cancers of all sites combined compared with U.S. females, they had significantly higher rates of cancers of the esophagus, lung & bronchus, and kidney & renal pelvis. White females in the Industrial Corridor had significantly lower rates of cancers of the stomach and corpus uteri compared with U.S. estimates. Black males in the Industrial Corridor had significantly lower rates of cancers of the brain & nervous system and non-Hodgkin's lymphoma compared with U.S. estimates. Black females had significantly higher rates of cancers of the cervix compared with U.S. black females, but statistically significantly lower rates of cancers of all sites combined, lung & bronchus, and corpus uteri.

► The New Orleans, Baton Rouge, Acadiana, and Northeast regions are among the regions with the highest average annual age-adjusted incidence rates for cancers of all sites combined. Central Louisiana continues to have the lowest rate for cancers of all sites combined among the eight regions.

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Introduction

Purpose of the Registry

The Louisiana Tumor Registry (LTR) is mandated by law to collect, analyze and disseminate information on cancer in Louisiana. This statewide population-based cancer registry computes cancer incidence rates by age, race, sex, geographic region and other population characteristics in order to identify subgroups in Louisiana that may be at particularly high or low cancer risk. Cancer incidence and mortality rates are also monitored over time. The LTR conducts special cancer research studies, often in collaboration with other researchers and institutions, which include studies of risk factors and patterns of care. Registry data provide the foundation for studies evaluating the efficacy of clinical therapies, diagnostic procedures, screening and early detection programs, and other cancer prevention and control initiatives. This publication serves to document the occurrence of cancer in Louisiana in order to identify those who may benefit most from cancer prevention and control programs and indicate areas where scientific investigation is particularly needed.

History of the Registry

Cancer registration in Louisiana began in 1947 at the Charity Hospital Tumor Registry located in New Orleans. The Charity Hospital Tumor Registry produced valuable data on cancer treatment and survival, particularly among blacks, for the National Cancer Institute's (NCI) pre-1973 publications on "end results." This registry data and the reported cancer incidence were limited to patients receiving services at Charity Hospital.

In 1974, population-based cancer registration began in the Greater New Orleans area with the advent of the Louisiana Tumor Registry (LTR).

As part of its Surveillance, Epidemiology and End Results (SEER) program, the NCI provided funds for a population-based cancer incidence and survival registry covering Jefferson, Orleans, and St. Bernard parishes. Data from the LTR were included in the 1974-1977 SEER estimates of "national" cancer incidence rates.

In 1979, the LTR was transferred to Louisiana's Office of Public Health (OPH). Federal funding ceased the next year and the program was limited to collecting incidence data with funding provided by the state. The catchment area for the LTR expanded in 1983 to include all 35 parishes of south Louisiana (Regions I-V). When the 29 parishes of north Louisiana (Regions VI-VIII) were added in 1988, statewide coverage was, finally, achieved.

In 1995, the registry was transferred from the OPH to the LSU Board of Supervisors. Since then, the LSU Health Sciences Center (formerly the LSU Medical Center) in New Orleans has been responsible for the cancer registry program providing much of the state funding. In 2001, the Louisiana Tumor Registry was selected as one of four new expansion registries on probationary status to join the NCI's SEER program after a rigorous competitive application process.

The Louisiana Legislature has provided broad guidelines for the creation and functioning of the Louisiana Tumor 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 regulations mandate strict confidentiality of all data.

Oversight of the registry is exercised by the Louisiana Cancer and Lung Trust Fund Board (LCLTFB). Members of the LCLTFB (referenced in the Acknowledgements) represent various health institutions throughout the state and are appointed by the governor. Vivien W. Chen, Ph.D., has served as director of the registry since 1991.

Publication of the LTR Data

The *Cancer in Louisiana* series is the LTR's principal document for reporting cancer statistics. The two most recent volumes^{1,2} focused on the following topics:

Volume:

- 14 Pediatric cancer, 1988-1996
- 15 Incidence and mortality, 1994-1998

A complete listing of the *Cancer in Louisiana* publications can be found in Appendix 1. Results from specific analyses of the LTR cancer incidence data are published yearly in the *Journal of the Louisiana State Medical Society*. The most recent article, "Childhood Cancer in Louisiana, 1988-1996," was published in the April 2002 issue.³

Cancer Incidence in Five Continents (CI5), published by the International Agency for Research on Cancer (IARC), is the authoritative source on worldwide cancer incidence. The IARC has solicited data from the Louisiana Tumor Registry for publication in the last four volumes of its *CI5* series. Data for Greater New Orleans (Region I) and Central Louisiana (Region VI) were featured in the most recent *CI5*⁴ edition. Data from the Louisiana Tumor Registry will, again, appear in volume eight of *Cancer Incidence in Five Continents*, soon to be published.

The North American Association of Central Cancer Registries (NAACCR) publishes cancer statistics for North America. The NAACCR has included cancer incidence rates for Louisiana in all annual volumes of *Cancer in North America*

(CINA). In the 2002 CINA publication⁵, the LTR data, again, met or exceeded established criteria for inclusion in the U.S. Combined Cancer Incidence Rates. The LTR data will also appear in the 2003 CINA publication featuring data for the years 1996-2000. Data from the Louisiana Tumor Registry also met the criteria for inclusion in the first edition of *United States Cancer Statistics*⁶, a joint publication of the NCI and the Centers for Disease Control and Prevention (CDC), released in December 2002.

Operations of the Registry

Central Office and Regional Registries

The Louisiana Tumor Registry is currently composed of a central office and five regional registries that collect and process cancer incidence data from the state's eight established geographic regions. These eight regions are based on Louisiana's historic health districts. Descriptions and population counts for each of these eight regions are located in Appendix 2. Address information for the central office and regional registries can be found in Appendix 10.

The regional registries abstract, process, consolidate, and edit data on cases of cancer diagnosed in parishes of their respective regions (for details see "Collection of Cancer Incidence Data"). The central office processes and edits data from the regional registries and from other central registries participating in data exchange agreements. Further, the central office provides oversight for registry operations, data quality standards, and completeness of case ascertainment. It prepares the LTR data for audits, certification and required data submissions by running rigorous edit and data standardization programs. The central office conducts follow-up operations and satisfies other requirements specified by the major standard-setting organizations and sponsoring agencies. The central office also analyzes and interprets statistical information derived from the data.

The LSU Health Sciences Center operates the LTR central office and the regional offices responsible for collecting and processing data from Regions I, III, and VII. Local academic and medical organizations with cancer research and treatment interests coordinate the data collection activities for Regions II, IV, V, VI, and VIII.

Collection of Cancer Incidence Data

Each regional registry is responsible for the complete ascertainment of data on cancer diagnoses and treatment in its region(s) within six months of diagnosis. Every healthcare provider is required by law to report this information to the regional registries, who work with them to ensure complete state coverage. About one fourth of all hospitals in Louisiana maintain their own cancer registries and report about 60% of the state's total number of incident cases. The LTR's regional registries are responsible for abstracting the remaining cases.

Interstate exchange of data began in 1997. This permits the LTR to obtain cancer data from participating states on residents of Louisiana who have traveled out-of-state for cancer diagnosis and/or treatment. This exchange of data ensures a higher level of case ascertainment and data completeness. Strict protocols on patient confidentiality are followed.

Mandatory screening of records for cancer cases diagnosed or treated in medical facilities is an integral part of registry operations: These report sources include:

- hospitals
- private pathology laboratories
- freestanding radiation centers
- dermatology and urology clinics
- one-day surgery facilities
- all other health care providers, including physician offices, if patients do not receive cancer-related services in the above places

The majority of cancer cases are identified in hospitals by screening types of records, such as:

- pathology reports including tissue (histology), cytology, hematology, bone marrow, and autopsy findings
- disease indices
- outpatient records
- radiation therapy logs
- radiology logs, including scans
- oncology services

Demographic data on patients and detailed information on each primary tumor which include site, histology, staging information, and diagnostic procedures are collected on each cancer case. Information on the first course of cancer-directed treatment received during the four months following diagnosis is also recorded.

Primary site and morphology are coded according to the standards of the *International Classification of Diseases for Oncology, Second Edition* (ICD-O-2)⁷. Beginning with 2001 cases, primary site and morphology are coded using the *International Classification of Diseases for Oncology, Third Edition* (ICD-O-3).⁸ Stage of disease and other variables are coded following the conventions set by the NAACCR,⁹ the SEER program,¹⁰ and the American College of Surgeons (ACoS).¹¹

Death Certificates

All death certificates with cancer mentioned as a cause of death for a Louisiana resident are checked against the registry's database. If a match is not found, registry personnel review charts at the facility where the death was recorded. If the chart contains no mention of cancer or if the death occurred at home, the physician who signed the death certificate is queried. If the physician cannot be contacted or cannot provide relevant information, the case is considered a "death-certificate-only (DCO)" case and the date of death is recorded as the date of diagnosis. For the years 1995-1999, 1.5% of the LTR's newly diagnosed cancer incidence cases were classified as DCO cases.

Reportable Diagnoses

The Louisiana Tumor Registry requires that all in situ and invasive neoplasms (those with behavior codes 2 or 3 as classified in the ICD-O-2⁷ or ICD-O-3⁸) be reported. There are two exceptions:

- Carcinoma in situ of the cervix has not been reported since 1992.
- Basal cell and squamous cell carcinomas of the skin are also not reportable.

Data Quality

Quality assurance procedures practiced at the regional registries and central office minimize abstracting and coding errors. The regional registries are responsible, according to their contracts with the LSU Health Sciences Center, for the quality of the cancer data they collect. Abstracts are edited for completeness and accuracy, and selected edits are run on specific variables before completed records are submitted to the central office. The regional registries also conduct casefinding and rescreening audits in order to monitor and correct any issues of data completeness and quality from their region(s).

After a regional registry completes its case reporting for a given diagnosis year, a quality control (QC) supervisor from the central office conducts field audits on cases from that region. The QC supervisor visits a sample of hospitals to evaluate the thoroughness of case finding and the accuracy of abstracting and coding. Periodic training sessions and workshops are held to ensure that cancer registrars from the regional and hospital registries are following standard coding and operating procedures.

The central office extensively edits cases received from the regional registries and other reporting sources. Emphasis is placed on key variables, such as age, race, sex, and parish of residence, as well as on the interpretation and coding of the primary anatomical site, staging information, diagnostic confirmation, and therapy received.

Computerized and manual reviews check for duplicate cases and for other errors or inconsistencies, such as unlikely sex/site, site/morphology, or site/age combinations.

Percentages of cases microscopically confirmed, identified by death certificate only, or of unknown primary diagnosis are monitored to ensure that they do not diverge significantly from corresponding figures from the SEER program or the NAACCR. Ratios of incidence to mortality are used to determine issues of reporting completeness.

To enhance the quality of cancer incidence data across the United States, the NAACCR sets standards for quality and completeness in the reporting of cases. Data from registries that meet those standards are used to calculate the "U.S. Combined Cancer Incidence Rates" in the NAACCR's annual publication, *Cancer in North America (CINA)*. Louisiana's data have qualified for inclusion in the "U.S. Combined Cancer Incidence Rates" for all *CINA* volumes.

Beginning in 1997, the NAACCR began the formal process of certifying registries whose data have achieved "excellence in the areas of completeness, quality, and timeliness." Since the inception of this program, the Louisiana Tumor Registry has been awarded certification each year by either meeting or exceeding these standards.

The World Health Organization's International Association for Research on Cancer (IARC) included data from the Louisiana Tumor Registry in its most recent volume of *Cancer Incidence in Five Continents*.⁴ A rigorous editing process for demographic and medical accuracy precedes acceptance of data for this publication.

Confidentiality of Data

Louisiana law mandates strict confidentiality of persons whose cancers are reported to the LTR and is the highest priority in registry operations. The same law protects participating facilities and

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physicians from any liability that may arise from reporting to the cancer registry program.

Louisiana Tumor Registry personnel sign an "Agreement to Maintain Confidentiality of Data" and are subject to penalty if they, through gross negligence or willful misconduct, disclose confidential information. The LTR's data are published in aggregate form only. No data presented are intended to be used to identify individuals with cancer.

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Acknowledgements

Louisiana Tumor Registry:

This report would not have been possible without the considerable effort and collaboration from all the staff associated with these registries:

Regional Registry Directors

Anna Moore, CTR, Regions I & III
Gay F. Duke, CTR, Region II
Michelle B. Crouch, RHIA, CTR, Region IV
Ellyn C. Baker, RHIT, CTR, Region V
Nadine S. Johnston, RHIA, CTR, Region VI
Martha K. Love, CTR, Region VIII
Melanie Byargeon, RHIA, CTR, Region VII & VIII

Special thanks to these individuals and groups responsible for cancer data collection, for their dedication and hard work. Their efforts are the foundation on which this publication is based:

Registrars and staffs of all hospital cancer registries
Thelma T. Smith, CTR, formerly Director of Regions I & III
Jennifer E. Jackson, CTR, Quality Control
Judith H. Thomas, MEd, CTR, Region VII
LTR Central office staff

For work contributing to the production of this monograph:

Lin Ma, MD
Patricia Flint for her word-processing assistance

Louisiana Cancer and Lung Trust Fund Board

Acadiana Medical Research Foundation:

John M. Rainey, MD
American Cancer Society: Charles L. Brown, Jr., MD
American Heart Association: Jack P. Strong, MD
American Lung Association: Mitchell Friedman, MD
Leukemia Society of America: Carl G. Cardinal, MD
Louisiana State Medical Society: Lehrue Stevens, MD
LSU Health Sciences Center-New Orleans:
Oliver Sartor, MD
LSU Health Sciences Center-Shreveport:
Jonathan Glass, MD
Mary Bird Perkins Cancer Center:
Todd D. Stevens, M.B.A.
Ochsner Medical Foundation: William M. Pinsky, MD
Tulane University School of Medicine:
Roy S. Weiner, MD
Xavier University: Wayne Harris, PhD
LCLTFB Administrator: Ray S. Whiting

Office of Public Health Louisiana Department of Health and Hospitals

Madeline W. McAndrew, Assistant Secretary
Jimmy Guidry, M.D., Assistant Secretary
J. Karen Bevan, State Registrar,
Director of State Center for Health Statistics

Cancer in Louisiana: 1995-1999

Presentation of Data

Data Arrangement

Volume 16 of *Cancer in Louisiana* presents cancer incidence and mortality information on residents of Louisiana diagnosed with cancer between January 1, 1995 and December 31, 1999. These data are organized into six sections of cancer incidence information (Tables A-F) and two sections of cancer mortality information (Tables G-H). Rates are age-adjusted to the 2000 U.S. standard population and race groups are categorized as all races, whites, and blacks. Invasive cancers are arranged by 16 major organ systems and their subsites corresponding to the SEER program's major and minor site groupings (see Appendix 3):

1. Oral Cavity and Pharynx
2. Digestive System
3. Respiratory System
4. Bones and Joints
5. Soft Tissue (including heart)
6. Skin (excluding basal and squamous cell carcinomas)
7. Breast
8. Female Genital System
9. Male Genital System
10. Urinary System
11. Eye and Orbit
12. Brain and Nervous System
13. Endocrine System
14. Lymphomas
15. Multiple Myeloma
16. Leukemias

Two other cancer categories, "all sites combined" and "ill-defined & unknown sites," complete the groupings of invasive cancers. Carcinomas *in situ* of the breast are listed separately from the invasive cancers and are excluded from the "all sites combined" total.

Age-Adjusted Rates

Beginning with 1999 cancer incidence data, the Department of Health and Human Services adopted the 2000 U.S. standard population (see Appendix 4) for age adjustment. The age-

adjusted rates presented in this report are, therefore, adjusted to the new 2000 U.S. standard population using the direct method, and can only be meaningfully compared with data also adjusted to the 2000 U.S. standard population. Caution should be used when referring to previously published cancer incidence rates that were adjusted to the 1970 U.S. standard population.

Age-adjusted rates are the weighted average of the age-specific rates, where the weights represent the age distribution of a standard population. Age adjustment allows for meaningful comparisons of cancer risk by controlling for differences in the age distribution of two populations which can affect the crude cancer rates.

Cancer Counts and Percent Distribution

Tables A1-A6 present the total counts and percent distribution of cancer cases for Louisiana, South Louisiana and North Louisiana.

Cancer Incidence Rates

Tables B1-B3 present the average annual age-adjusted (2000 U.S. Standard) cancer incidence rates for Louisiana, South Louisiana and North Louisiana by primary site, race and sex. Tables C1-C9 present the average annual age-adjusted (2000 U.S. Standard) cancer incidence rates for the state's eight geographic regions. These eight regions are based on Louisiana's historic health districts (see Appendix 2).

The Ten Most Common Cancers

The average annual age-adjusted (2000 U.S. Standard) cancer incidence rates for the ten most common cancers are presented for Louisiana in Tables D1-D4 along with comparative rates for each of Louisiana's eight established geographic

regions (see Appendix 2). Separate tables are provided for white males, white females, black males and black females.

U.S. Estimates and the Industrial Corridor

Table E presents the average annual age-adjusted (2000 U.S. Standard) cancer incidence rates for Louisiana with comparative rate estimates for the United States by primary site, race and sex. U.S. rate estimates are obtained from the Surveillance, Epidemiology and End Results (SEER) program.

The average annual age-adjusted (2000 U.S. Standard) cancer incidence rates for the Industrial Corridor with comparative rate estimates for the United States are presented in Table F by primary site, race and sex. As with Table E, U.S. rate estimates are obtained from the SEER program. The Industrial Corridor consists of the parishes of East and West Baton Rouge, Iberville, Ascension, St. John the Baptist, St. James, and St. Charles.

Cancer Mortality Rates

Table G presents the average annual age-adjusted (2000 U.S. Standard) cancer mortality rates for Louisiana by primary site, race and sex. The average annual age-adjusted (2000 U.S. Standard) cancer mortality rates for Louisiana with comparative mortality rates for the United States are presented in Table H.

Cancer Cases

Incidence data contained in this report are based on cases of primary cancer which were diagnosed among Louisiana residents between January 1, 1995 and December 31, 1999. Except where indicated, all cancers are limited to invasive cancers. An incident case is defined as a "primary" cancer in contrast to a cancer that has spread or metastasized from another site. Since individuals can have more than one primary cancer, the number of incident cases will be greater than the number of persons who have

been diagnosed with cancer. In a five-year period the number of primary cancers diagnosed in Louisiana is about 5% higher than the number of persons diagnosed with cancer.

The LTR follows standard protocols when computing and publishing cancer incidence data. Published data can be more readily and more accurately compared with data from other registries following similar conventions. The LTR utilizes the following conventions:

- Primary site and morphology are coded according to the *International Classification of Diseases for Oncology, Second Edition* (ICD-O-2)⁷ for data up to the year 2000. For cancers diagnosed after the year 2000, the *International Classification of Diseases for Oncology, Third Edition* (ICD-O-3)⁸ is used.
- Sites are grouped according to conventions of the SEER program. The code groups utilized for systems, sites, and subsites in this report are displayed in Appendix 3.
- Stage of disease and other variables are coded following the conventions set by the NAACCR⁹, the SEER program¹⁰, and the American College of Surgeons (ACoS)¹¹.
- 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.
- Carcinomas *in situ* of the breast are listed separately from the invasive cancers and are excluded from the "all sites combined" total.
- Basal cell and squamous cell carcinomas of the skin are excluded.
- Neoplasms of the lymphatic, hematopoietic, and reticuloendothelial systems

are grouped by their histologies and not by the anatomical sites where they occur.

A total of 95,947 cases of invasive cancer were diagnosed between 1995 and 1999. Less than 1% of these 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. A high proportion of cases with unknown race can result in an underestimate of the "true" rates of the race group to which they belonged. Cases of ill-defined and unknown site accounted for 3.1% of all Louisiana incident cancer cases. These cases were included in the cancer counts and rates for "all sites combined." The coding of cancer as unknown or ill-defined exerts a downward bias on the rates of the specific cancers which were their true sites. Microscopic confirmation was obtained on 92.7% of all invasive cases.

Cancer Deaths

Information on residents of Louisiana who died with cancer during the period 1995-1999 was extracted from death certificate files obtained from the State Center for Health Statistics in the Louisiana Office of Public Health. Deaths are attributed to a specific cancer if the certifying physician lists the cancer as an underlying cause of death.

The anatomical site group codes utilized for the mortality data are displayed in Appendix 5 and 6. These site groupings were developed by the SEER program using codes from the *International Classification of Diseases, 9th Revision*¹² and *International Classification of Diseases, 10th Revision*.¹³ Of the 95,947 cases of invasive cancer diagnosed between the years 1995 and 1999, 1.5% were death-certificate-only cases.

Race

Race and ethnicity for cancer cases are obtained primarily from information contained in a patient's medical record. This information may

be based on self-identification by the patient or on the assumptions by an admissions clerk or other medical personnel. Race and ethnicity for cancer deaths are based on information contained in death certificates which are completed by a physician or coroner. The LTR has made great efforts to standardize these factors although some differences are still likely to exist.

Louisiana cancer incidence and mortality data include the racial categories of white, black and all races combined. Other racial groups were not analyzed separately because of their small numbers.

Comparison Group

Incidence

U.S. estimates used for the average annual age-adjusted incidence rates were calculated from the SEER program of the National Cancer Institute. The SEER Program estimates used for comparison in this volume include data from five state registries (Connecticut, Hawaii, Iowa, New Mexico, and Utah) and four metropolitan areas (Detroit, Atlanta, San Francisco/Oakland and Seattle/Puget Sound). These registries represent about 10% of the U.S. population.

In the early 1990s, the SEER program was expanded to include Los Angeles County and the San Jose-Monterey area. At that point, the eleven SEER geographic areas represented an estimated 14% of the U.S. population. The SEER program's most recent expansion in 2001 added California, Kentucky, Louisiana and New Jersey. These additions increased the program's coverage to about 26% of the U.S. population.

Mortality

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

Population Estimates

Five-year population estimates by race, sex, and age for Louisiana were obtained from the National Cancer Institute and are based on the U.S. Bureau of Census 1999 estimates of the populations for the years 1995-1999. The estimated 5-year populations are presented in Appendixes 7, 8 and 9.

Cautions in Interpretation

Incidence or mortality rates for many age/sex/race groups are 0.0. This indicates that an annual rate of less than 0.05 per 100,000 was calculated based on a relatively small number of cases. Counts of five or less and statistics based on counts of five or less are suppressed. A dash (-) is used to signify the suppression of counts or statistics based on five or fewer cases.

When comparing rates among geographic areas it is important to keep in mind that a variety of factors, other than a true difference in the risk of developing cancer, can contribute to variation in cancer rates. Some variation in cancer rates occur by chance. Geographic variation should, therefore, be interpreted with caution and used to generate, not test, hypotheses.

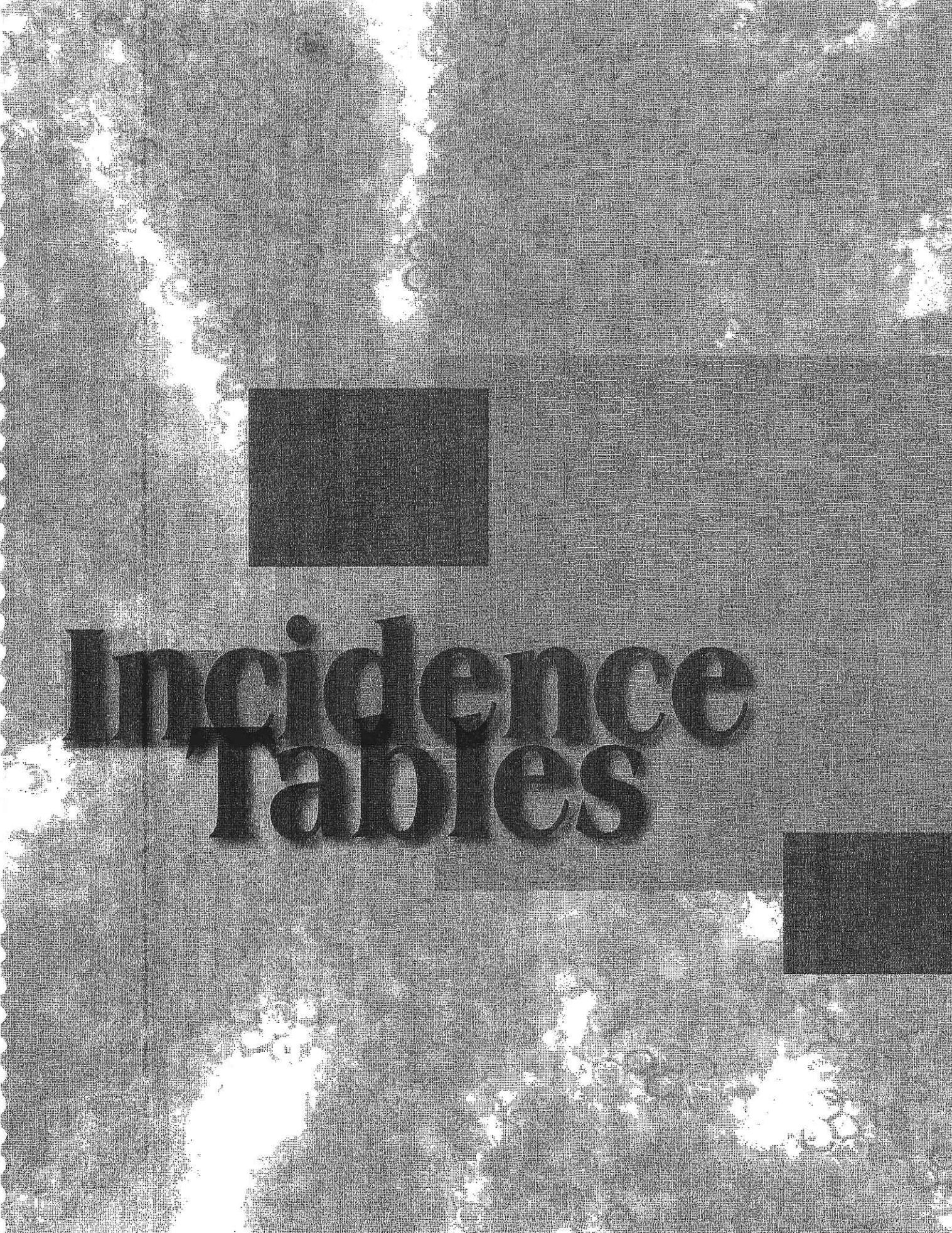
Abbreviations Used in This Volume

DCO	death certificate only
IARC	International Agency for Research on Cancer
ICD-O-2	<i>International Classification of Diseases for Oncology, 2nd edition</i>
ICD-O-3	<i>International Classification of Diseases for Oncology, 3rd edition</i>
LTR	Louisiana Tumor Registry
NAACCR	North American Association of Central Cancer Registries
NCI	National Cancer Institute
NOS	Not Otherwise Specified
SEER	Surveillance, Epidemiology and End Results program

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Cancer in Louisiana: 1995-1999



Intelligence Practices

Cancer in Louisiana: 1995-1999

TABLE A1 NUMBER OF CANCER CASES BY PRIMARY SITE, RACE AND SEX, LOUISIANA, 1995-1999

PRIMARY SITE:	ALL RACES			WHITES			BLACKS		
	TOTAL	MALES	FEMALES	TOTAL	MALES	FEMALES	TOTAL	MALES	FEMALES
INVASIVE CANCERS									
All Sites Combined-----	95947	51155	44792	70453	37392	33061	24822	13400	11422
Oral Cavity & Pharynx-----	2506	1735	771	1844	1263	581	642	458	184
Lip-----	203	181	22	195	175	20	8	6	-
Tongue-----	536	350	186	418	268	150	112	76	36
Salivary glands-----	252	148	104	210	126	84	39	22	17
Floor of mouth-----	241	168	73	160	107	53	78	58	20
Gum & other mouth-----	419	250	169	287	163	124	129	85	44
Nasopharynx-----	145	91	54	92	57	35	49	32	17
Tonsil-----	295	222	73	217	159	58	78	63	15
Oropharynx-----	98	83	15	66	55	11	32	28	-
Hypopharynx-----	219	167	52	143	109	34	75	57	18
Other oral cavity & pharynx-----	98	75	23	56	44	12	42	31	11
Digestive System-----	18946	10159	8787	13400	7297	6103	5398	2769	2629
Esophagus-----	1078	783	295	662	478	184	407	299	108
Stomach-----	1753	1074	679	998	630	368	725	425	300
Small intestine-----	345	173	172	233	118	115	110	53	57
Colon & rectum-----	11436	5906	5530	8464	4469	3995	2907	1398	1509
Colon -----	8332	4120	4212	6081	3053	3028	2217	1045	1172
Rectum -----	3104	1786	1318	2383	1416	967	690	353	337
Anus, anal canal & anorectum-----	280	107	173	219	85	134	60	21	39
Liver & Intrahepatic bile ducts-----	953	635	318	664	445	219	260	168	92
Liver-----	850	583	267	584	403	181	237	158	79
Intrahepatic bile ducts-----	103	52	51	80	42	38	23	10	13
Gallbladder-----	221	60	161	146	41	105	73	18	55
Other biliary-----	245	120	125	191	100	91	50	19	31
Pancreas-----	2506	1241	1265	1729	888	841	771	351	420
Retropertitoneum-----	43	25	18	31	19	12	12	6	6
Peritoneum, omentum & mesentery-----	38	12	26	34	10	24	-	-	-
Other digestive-----	48	23	25	29	14	15	19	9	10
Respiratory System-----	18231	11578	6653	13353	8224	5129	4800	3301	1499
Nose, nasal cavity & middle ear-----	155	101	54	119	72	47	36	29	7
Larynx-----	1308	1026	282	890	682	208	408	334	74
Lung & bronchus-----	16476	10228	6248	12104	7282	4822	4304	2903	1401
Pleura -----	251	192	59	213	168	45	38	24	14
Trachea & other respiratory-----	41	31	10	27	20	7	14	11	-
Bones & Joints-----	176	91	85	123	61	62	48	27	21
Soft Tissue (includes heart)-----	589	326	263	381	219	162	205	104	101
Skin (excludes basal & squamous)-----	2187	1301	886	1971	1170	801	187	118	69
Melanoma of the skin-----	1707	979	728	1625	940	685	57	28	29
Other non-epithelial skin-----	480	322	158	346	230	116	130	90	40
Breast-----	13693	159	13534	10209	108	10101	3385	50	3335

(Table continues)

Female Genital System-----	5105	-	3548	-	1510	-
Cervix uteri-----	1291	1291	705	705	567	-
Corpus uteri-----	1884	1884	1400	1400	470	-
Uterus, NOS-----	87	87	50	50	35	-
Ovary-----	1402	1402	1071	1071	323	-
Vagina-----	118	118	69	69	46	-
Vulva-----	279	279	219	219	59	-
Other female genital-----	44	44	34	34	10	-
Male Genital System-----	14995	14995	10526	10526	4343	-
Prostate -----	14466	14466	10070	10070	4274	-
Testis-----	421	421	379	379	38	-
Penis-----	87	87	64	64	23	-
Other male genital-----	21	21	13	13	8	-
Urinary System-----	6629	4432	5349	3656	1257	494
Urinary bladder (includes in situ)	3701	2709	992	2336	763	186
Kidney & renal pelvis-----	2754	1616	3134	798	550	293
Ureter-----	133	77	1138	1229	676	383
Other urinary-----	41	30	56	119	49	14
Eye & Orbit-----	142	69	73	126	66	16
Brain & Other Nervous System (NS)-----	1272	679	593	1020	457	240
Brain-----	1190	634	556	970	532	210
Cranial nerves & other NS-----	82	45	37	50	31	19
Endocrine System-----	1189	320	869	922	266	255
Thyroid-----	1064	257	807	844	222	622
Other endocrine & thymus-----	125	63	62	78	44	34
Lymphomas-----	4073	2102	1971	3289	1597	756
Hodgkin's disease-----	543	288	255	419	226	391
Non-Hodgkin's lymphoma-----	3530	1814	1716	2870	1466	120
Multiple Myeloma-----	1175	603	572	686	363	323
Leukemias-----	2076	1113	963	1604	859	745
Lymphocytic-----	860	503	357	672	386	286
Acute lymphocytic-----	231	138	93	165	98	67
Chronic lymphocytic-----	593	337	256	476	265	211
Other lymphocytic-----	36	28	8	31	23	8
Myeloid-----	956	487	469	735	380	355
Acute myeloid-----	638	314	324	482	239	243
Chronic myeloid-----	295	165	130	235	134	101
Other myeloid-----	23	8	15	18	7	59
Monocytic-----	36	16	20	30	14	16
Acute monocytic-----	27	13	14	24	13	11
Chronic monocytic-----	7	-	6	-	-	-
Other monocytic-----	-	-	-	-	-	-
Other-----	224	107	117	167	79	88
Other acute-----	121	51	70	92	36	56
Other chronic-----	14	-	10	12	-	9
Aleukemic, subleukemic & NOS-----	89	52	37	63	40	23
Ill-defined & Unknown sites-----	2963	1493	1470	2102	1065	1037
IN SITU CANCERS (NOT INCLUDED ABOVE)	1933	21	1912	1470	19	1451
Breast in situ-----						

- Counts of five or less are suppressed and statistics are not generated for these cells.

Cancer in Louisiana: 1995-1999

TABLE A2 PERCENT DISTRIBUTION OF CANCER CASES BY PRIMARY SITE, RACE AND SEX, LOUISIANA, 1995-1999

PRIMARY SITE:	ALL RACES		WHITES		BLACKS	
	TOTAL	MALES	FEMALES	TOTAL	MALES	FEMALES
INVASIVE CANCERS						
All Sites Combined-----	100.0	100.0	100.0	100.0	100.0	100.0
Oral Cavity & Pharynx-----	2.6	3.4	1.7	2.6	3.4	1.8
Lip-----	0.2	0.4	0.0	0.3	0.5	0.1
Tongue-----	0.6	0.7	0.4	0.6	0.7	0.5
Salivary glands-----	0.3	0.3	0.2	0.3	0.3	0.3
Floor of mouth-----	0.3	0.3	0.2	0.2	0.3	0.2
Gum & other mouth-----	0.4	0.5	0.4	0.4	0.4	0.4
Nasopharynx-----	0.2	0.2	0.1	0.1	0.2	0.1
Tonsil-----	0.3	0.4	0.2	0.3	0.4	0.2
Oropharynx-----	0.1	0.2	0.0	0.1	0.0	0.1
Hypopharynx-----	0.2	0.3	0.1	0.2	0.3	0.1
Other oral cavity & pharynx-----	0.1	0.1	0.1	0.1	0.0	0.2
Digestive System-----	19.7	19.9	19.6	19.5	18.5	21.7
Esophagus-----	1.1	1.5	0.7	0.9	1.3	0.6
Stomach-----	1.8	2.1	1.5	1.4	1.7	1.1
Small intestine-----	0.4	0.3	0.4	0.3	0.3	0.4
Colon & rectum-----	11.9	11.5	12.3	12.0	12.1	11.7
Colon -----	8.7	8.1	9.4	8.6	8.2	9.2
Rectum -----	3.2	3.5	2.9	3.4	3.8	2.9
Anus, anal canal & anorectum-----	0.3	0.2	0.4	0.3	0.2	0.4
Liver & Intrahepatic bile ducts-----	1.0	1.2	0.7	0.9	1.2	0.7
Liver-----	0.9	1.1	0.6	0.8	1.1	0.5
Intrahepatic bile ducts-----	0.1	0.1	0.1	0.1	0.1	0.1
Gallbladder-----	0.2	0.2	0.4	0.2	0.1	0.3
Other biliary-----	0.3	0.2	0.3	0.3	0.3	0.2
Pancreas-----	2.6	2.4	2.8	2.5	2.4	2.5
Retropertitoneum-----	0.0	0.0	0.0	0.0	0.1	0.0
Peritoneum, omentum & mesentery-----	0.0	0.0	0.1	0.0	0.0	0.1
Other digestive-----	0.1	0.0	0.1	0.0	0.0	0.1
Respiratory System-----	19.0	22.6	14.9	19.0	22.0	15.5
Nose, nasal cavity & middle ear-----	0.2	0.2	0.1	0.2	0.1	0.1
Larynx-----	1.4	2.0	0.6	1.3	1.8	0.6
Lung & bronchus-----	17.2	20.0	13.9	17.2	19.5	14.6
Pleura -----	0.3	0.4	0.1	0.3	0.4	0.1
Trachea & other respiratory-----	0.0	0.1	0.0	0.0	0.1	0.0
Bones & Joints-----	0.2	0.2	0.2	0.2	0.2	0.2
Soft Tissue (includes heart) -----	0.6	0.6	0.6	0.5	0.6	0.5
Skin (excludes basal & squamous) -----	2.3	2.5	2.0	2.8	3.1	2.4
Melanoma of the skin-----	1.8	1.9	1.6	2.3	2.5	2.1
Other non-epithelial skin-----	0.5	0.6	0.4	0.5	0.6	0.4
Breast-----	14.3	0.3	30.2	14.5	0.3	30.6

(Table continues)

Female Genital System-----	5.3	-	11.4	5.0	-	10.7	6.1	-	13.2
Cervix uteri-----	1.3	-	2.9	1.0	-	2.1	2.3	-	5.0
Corpus uteri-----	2.0	-	4.2	2.0	-	4.2	1.9	-	4.1
Uterus, NOS-----	0.1	-	0.2	0.1	-	0.2	0.1	-	0.1
Ovary-----	1.5	-	3.1	1.5	-	3.2	1.3	-	2.8
Vagina-----	0.1	-	0.3	0.1	-	0.2	0.2	-	0.4
Vulva-----	0.3	-	0.6	0.3	-	0.7	0.2	-	0.5
Other female genital-----	0.0	-	0.1	0.0	-	0.1	0.0	-	0.1
Male Genital System-----	15.6	29.3	-	14.9	28.2	-	17.5	32.4	-
Prostate -----	15.1	28.3	-	14.3	26.9	-	17.2	31.9	-
Testis-----	0.4	0.8	-	0.5	1.0	-	0.2	0.3	-
Penis-----	0.1	0.2	-	0.1	0.2	-	0.1	0.2	-
Other male genital-----	0.0	0.0	-	0.0	0.0	-	0.0	0.1	-
Urinary System-----	6.9	8.7	4.9	7.6	9.8	5.1	5.1	5.7	4.3
Urinary bladder (includes in situ)	3.9	5.3	2.2	4.4	6.2	2.4	2.2	2.7	1.6
Kidney & renal pelvis-----	2.9	3.2	2.5	2.9	3.3	2.5	2.7	2.9	2.6
Ureter-----	0.1	0.2	0.1	0.2	0.2	0.1	0.1	0.1	0.1
Other urinary-----	0.0	0.1	0.0	0.0	0.1	-	0.1	0.1	-
Eye & Orbit-----	0.1	0.1	0.2	0.2	0.2	0.2	0.1	0.1	0.1
Brain & Other Nervous System (NS)-----	1.3	1.3	1.3	1.4	1.5	1.4	1.0	0.8	1.1
Brain-----	1.2	1.2	1.2	1.4	1.4	1.3	0.8	0.7	1.0
Cranial nerves & other NS-----	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Endocrine System-----	1.2	0.6	1.9	1.3	0.7	2.0	1.0	0.4	1.8
Thyroid-----	1.1	0.5	1.8	1.2	0.6	1.9	0.8	0.2	1.6
Other endocrine & thymus-----	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.2
Lymphomas-----	4.2	4.1	4.4	4.7	4.5	4.8	3.0	2.9	3.2
Hodgkin's disease-----	0.6	0.6	0.6	0.6	0.6	0.6	0.5	0.4	0.5
Non-Hodgkin's lymphoma-----	3.7	3.5	3.8	4.1	3.9	4.2	2.6	2.5	2.7
Multiple Myeloma-----	1.2	1.2	1.3	1.0	1.0	1.0	1.0	1.0	2.1
Leukemias-----	2.2	2.2	2.1	2.3	2.3	2.3	1.8	1.8	1.8
Lymphocytic-----	0.9	1.0	0.8	1.0	1.0	0.9	0.7	0.9	0.6
Acute lymphocytic-----	0.2	0.3	0.2	0.2	0.3	0.2	0.3	0.3	0.2
Chronic lymphocytic-----	0.6	0.7	0.6	0.7	0.7	0.6	0.5	0.5	0.4
Other lymphocytic-----	0.0	0.1	0.0	0.0	0.1	0.1	0.1	-	-
Myeloid-----	1.0	1.0	1.0	1.0	1.0	1.1	0.9	0.8	1.0
Acute myeloid-----	0.7	0.6	0.7	0.7	0.6	0.7	0.6	0.5	0.7
Chronic myeloid-----	0.3	0.3	0.3	0.3	0.4	0.3	0.2	0.2	0.3
Other myeloid-----	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
Monocytic-----	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
Acute monocytic-----	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
Chronic monocytic-----	0.0	-	0.0	-	-	-	-	-	-
Other monocytic-----	-	-	-	-	-	-	-	-	-
Other-----	0.2	0.2	0.3	0.2	0.2	0.3	0.2	0.2	0.3
Other acute-----	0.1	0.1	0.2	0.1	0.1	0.2	0.1	0.1	0.1
Other chronic-----	0.0	-	0.0	0.0	-	0.0	-	-	-
Aleukemic, subleukemic & NOS-----	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Ill-defined & Unknown Sites-----	3.1	2.9	3.3	3.0	2.8	3.1	3.4	3.1	3.7
IN SITU CANCERS (NOT INCLUDED ABOVE)	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Breast in situ-----	100.0	100.0	100.0	100.0	100.0	100.0	100.0	-	100.0

- Statistics are not generated for cells with counts of five or less.

Cancer in Louisiana: 1995-1999

TABLE A4 PERCENT DISTRIBUTION OF CANCER CASES BY PRIMARY SITE, RACE AND SEX, SOUTH LOUISIANA, 1995-1999

PRIMARY SITE:	ALL RACES			WHITES			BLACKS		
	TOTAL	MALES	FEMALES	TOTAL	MALES	FEMALES	TOTAL	MALES	FEMALES
INVASIVE CANCERS									
All Sites Combined-----	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Oral Cavity & Pharynx-----	2.6	3.4	1.8	2.6	3.3	1.8	2.6	3.5	1.6
Lip-----	0.2	0.3	0.0	0.2	0.4	0.1	0.0	—	—
Tongue-----	0.6	0.7	0.5	0.6	0.7	0.5	0.4	0.5	0.3
Salivary glands-----	0.3	0.3	0.2	0.3	0.3	0.2	0.2	0.2	0.2
Floor of mouth-----	0.3	0.3	0.2	0.2	0.3	0.2	0.3	0.4	0.1
Gum & other mouth-----	0.4	0.5	0.4	0.4	0.4	0.4	0.6	0.7	0.4
Nasopharynx-----	0.1	0.2	0.1	0.1	0.2	0.1	0.2	0.2	0.1
Tonsil-----	0.3	0.5	0.2	0.3	0.4	0.2	0.3	0.5	0.1
Oropharynx-----	0.1	0.2	0.0	0.1	0.1	0.0	0.1	0.2	—
Hypopharynx-----	0.2	0.3	0.1	0.2	0.3	0.1	0.3	0.4	0.1
Other oral cavity & pharynx-----	0.1	0.1	0.1	0.1	0.1	0.0	0.2	0.2	0.1
Digestive System-----	19.8	20.1	19.4	19.1	19.7	18.4	21.7	21.0	22.5
Esophagus-----	1.1	1.5	0.7	1.0	1.3	0.6	1.5	2.0	1.0
Stomach-----	1.8	2.1	1.5	1.5	1.8	1.1	2.9	3.1	2.7
Small intestine-----	0.4	0.3	0.4	0.3	0.3	0.4	0.4	0.4	0.5
Colon & rectum-----	11.9	11.6	12.1	11.9	11.9	12.0	11.6	10.7	12.8
Colon -----	8.7	8.2	9.3	8.6	8.2	9.1	9.0	8.1	10.1
Rectum -----	3.2	3.5	2.8	3.3	3.7	2.9	2.6	2.6	2.7
Anus, anal canal & anorectum-----	0.3	0.2	0.4	0.3	0.2	0.4	0.3	0.2	0.4
Liver & Intrahepatic bile ducts-----	1.1	1.4	0.7	1.0	1.3	0.6	1.2	1.5	0.9
Liver-----	1.0	1.3	0.6	0.9	1.2	0.5	1.1	1.4	0.7
Intrahepatic bile ducts-----	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Gallbladder-----	0.2	0.1	0.4	0.2	0.1	0.4	0.3	0.1	0.5
Other biliary-----	0.2	0.2	0.3	0.3	0.3	0.3	0.2	0.1	0.3
Pancreas-----	2.6	2.4	2.8	2.4	2.3	2.6	3.1	2.7	3.5
Retropertitoneum-----	0.0	0.1	0.0	0.0	0.1	0.0	0.1	0.1	—
Peritoneum, omentum & mesentery-----	0.0	0.0	0.1	0.0	0.0	0.1	—	—	—
Other digestive-----	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1
Respiratory System-----	19.1	22.6	15.0	18.8	21.7	15.6	19.9	25.5	13.5
Nose, nasal cavity & middle ear-----	0.1	0.2	0.1	0.1	0.2	0.1	0.2	0.2	—
Larynx-----	1.4	2.1	0.6	1.3	1.9	0.6	1.7	2.7	0.7
Lung & bronchus-----	17.1	19.8	14.1	16.9	19.0	14.7	17.8	22.2	12.6
Pleura -----	0.3	0.4	0.2	0.4	0.5	0.2	0.2	0.2	0.2
Trachea & other respiratory-----	0.1	0.1	0.0	0.0	0.1	0.0	0.1	0.1	—
Bones & Joints-----	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2
Soft Tissue (includes heart)-----	0.6	0.6	0.6	0.6	0.6	0.5	0.8	0.7	0.9
Skin (excludes basal & squamous)-----	2.1	2.5	1.8	2.6	3.0	2.2	0.8	1.0	0.6
Melanoma of the skin-----	1.6	1.8	1.5	2.1	2.3	1.9	0.3	0.2	0.3
Other non-epithelial skin-----	0.5	0.7	0.3	0.5	0.7	0.3	0.5	0.7	0.3
Breast-----	14.6	0.3	30.8	14.7	0.3	30.9	14.2	0.4	30.3

(Table continues)

Female Genital System-----	5.2	-	11.1	4.9	-	10.5	5.9	-	12.8
Cervix uteri-----	1.3	-	2.8	1.0	-	2.1	2.3	-	4.9
Corpus uteri-----	1.9	-	4.1	2.0	-	4.2	1.8	-	3.8
Uterus, NOS-----	0.1	-	0.2	0.1	-	0.1	0.1	-	0.3
Ovary-----	1.4	-	3.1	1.5	-	3.2	1.3	-	2.8
Vagina-----	0.1	-	0.2	0.1	-	0.2	0.2	-	0.4
Vulva-----	0.3	-	0.6	0.3	-	0.7	0.2	-	0.5
Other female genital-----	0.0	-	0.1	0.0	-	0.1	0.2	-	-
Male Genital System-----	15.3	28.9	-	15.0	28.3	-	16.6	30.9	-
Prostate -----	14.8	27.8	-	14.3	27.0	-	16.3	30.3	-
Testis-----	0.5	0.9	-	0.6	1.1	-	0.2	0.3	-
Penis-----	0.1	0.1	-	0.1	0.1	-	0.1	0.2	-
Other male genital-----	0.0	0.0	-	0.0	0.0	-	0.1	0.1	-
Urinary System-----	7.9	8.9	4.9	7.8	10.0	5.2	5.1	5.9	4.2
Urinary bladder (includes in situ)	3.9	5.5	2.2	4.6	6.4	2.4	2.2	2.8	1.4
Kidney & renal pelvis-----	3.0	3.2	2.6	3.0	3.3	2.6	2.8	3.0	2.6
Ureter-----	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1	-
Other urinary-----	0.0	0.1	0.0	0.0	0.1	-	0.1	0.1	-
Eye & Orbit-----	0.2	0.1	0.2	0.2	0.2	0.2	0.1	-	0.1
Brain & Other Nervous System (NS)-----	1.3	1.3	1.3	1.4	1.5	1.3	1.0	0.9	1.1
Brain-----	1.2	1.2	1.2	1.3	1.4	1.3	0.8	0.7	1.0
Craniial nerves other NS-----	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2
Endocrine System-----	1.3	0.6	2.0	1.4	0.7	2.1	1.0	0.4	1.7
Thyroid-----	1.1	0.5	1.8	1.2	0.6	2.0	0.8	0.2	1.4
Other endocrine & thymus-----	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.3
Lymphomas-----	4.3	4.2	4.4	4.7	4.6	4.9	3.1	3.1	3.1
Hodgkin's disease-----	0.6	0.6	0.6	0.6	0.6	0.6	0.5	0.5	0.5
Non-Hodgkin's lymphoma-----	3.7	3.6	3.8	4.1	4.0	4.3	2.6	2.6	2.6
Multiple Myeloma-----	1.2	1.1	1.2	0.9	0.9	0.9	1.9	1.7	2.1
Leukemias-----	2.1	2.1	2.1	2.2	2.2	2.2	1.8	1.7	1.8
Acute lymphocytic-----	0.8	0.9	0.7	0.9	1.0	0.8	0.7	0.8	0.5
Chronic lymphocytic-----	0.2	0.3	0.2	0.2	0.3	0.2	0.3	0.3	0.2
Other lymphocytic-----	0.6	0.6	0.5	0.5	0.7	0.6	0.4	0.5	0.3
Myeloid-----	0.0	0.0	0.0	0.0	0.1	0.0	-	-	-
Acute myeloid-----	1.0	0.9	1.1	1.0	1.0	1.1	0.9	0.8	1.0
Chronic myeloid-----	0.6	0.6	0.7	0.7	0.6	0.7	0.6	0.6	0.6
Other myeloid-----	0.3	0.3	0.3	0.4	0.3	0.4	0.2	0.2	0.2
Monocytic-----	0.0	0.0	0.0	0.0	0.0	0.0	0.1	-	-
Acute monocytic-----	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	-
Chronic monocytic-----	0.0	-	-	-	-	-	-	-	-
Other monocytic-----	-	-	-	-	-	-	-	-	-
Other-----	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.2
Other acute-----	0.1	0.1	0.1	0.1	0.1	0.1	0.1	-	0.1
Other chronic-----	0.0	-	0.0	-	0.0	0.0	-	-	-
Aleukemic, subleukemic & NOS-----	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Ill-defined & Unknown Sites-----	3.1	2.9	3.3	3.0	2.9	3.1	3.4	3.1	3.6
IN SITU CANCERS (NOT INCLUDED ABOVE)-----	3.1	2.9	3.3	3.0	100.0	100.0	100.0	100.0	-
Breast in situ-----	100.0	100.0	100.0	100.0	100.0	100.0	100.0	-	100.0

- Statistics are not generated for cells with counts of five or less

Cancer in Louisiana: 1995-1999

TABLE C3 AVERAGE ANNUAL AGE-ADJUSTED (2000 U.S. STANDARD) CANCER INCIDENCE RATES PER 100,000 POPULATION, BY PRIMARY SITE,
LOUISIANA AND EIGHT STATE GEOGRAPHIC REGIONS, ALL RACES, FEMALES, 1995-1999

PRIMARY SITE:	LOUISIANA REGION	NEW ORLEANS REGION	BATON ROUGE REGION	SOUTHEAST REGION	ACADIANA REGION	SOUTHWEST REGION	CENTRAL REGION	NORTHWEST REGION	NORTHEAST REGION
INVASIVE CANCERS									
All sites Combined-----	395.1	412.0	397.3	385.6	403.7	393.2	366.5	380.8	395.9
Oral Cavity & Pharynx-----	6.8	7.3	6.7	5.8	7.5	7.9	6.8	6.4	5.9
Lip-----	0.2	-	-	-	-	-	-	-	-
Tongue-----	1.6	1.9	2.1	1.1	1.8	2.0	1.3	1.5	1.0
Salivary glands-----	0.9	0.9	0.5	0.9	1.1	1.2	1.5	0.8	0.9
Floor of mouth-----	0.6	0.7	0.4	0.8	1.0	-	0.8	0.7	-
Gum & other mouth-----	1.5	1.6	1.1	1.7	1.5	1.5	1.7	1.5	1.1
Nasopharynx-----	0.5	0.4	0.6	-	0.4	-	-	0.8	-
Tonsil-----	0.7	0.7	0.7	-	0.8	1.4	-	0.4	0.8
Oropharynx-----	0.1	-	0.3	-	-	-	-	-	-
Hypopharynx-----	0.5	0.6	0.4	-	0.4	-	0.9	0.4	-
Other oral cavity & pharynx-----	0.2	0.2	-	-	-	-	-	-	-
Digestive System-----	76.4	80.6	77.6	74.8	74.4	78.7	71.6	73.4	75.4
Esophagus-----	2.6	2.7	3.0	2.7	2.3	2.9	2.1	1.9	2.6
Stomach-----	5.9	6.8	5.8	5.5	6.0	5.1	5.6	5.8	4.7
Small intestine-----	1.5	1.9	1.5	1.2	1.7	1.4	1.5	1.0	1.4
Colon & rectum-----	48.1	50.0	49.3	48.0	43.6	51.8	44.7	48.8	47.4
Colon -----	36.6	39.5	38.2	35.5	32.8	38.0	31.2	36.0	37.5
Rectum -----	11.5	10.6	11.1	12.5	10.8	13.7	13.5	12.8	9.9
Anus, anal canal & anorectum-----	1.5	2.0	1.6	1.1	1.3	-	1.8	1.7	1.4
Liver & Intrahepatic bile ducts-----	2.8	2.9	2.6	3.0	3.2	2.3	2.4	2.3	3.1
Liver-----	2.3	2.5	2.3	2.7	2.4	1.5	2.2	1.8	2.8
Intrahepatic bile ducts-----	0.4	0.4	-	-	0.8	0.8	-	0.5	-
Gallbladder-----	1.4	1.7	1.7	1.0	1.4	1.5	1.2	0.8	1.2
Other biliary-----	1.1	1.1	1.2	0.7	1.3	-	1.6	0.7	1.5
Pancreas-----	10.9	10.6	10.3	11.1	13.2	12.2	9.7	9.8	11.3
Retropertitoneum-----	0.2	-	-	-	-	-	-	-	-
Peritoneum, omentum & mesentery-----	0.2	0.2	0.3	-	-	-	-	-	-
Other digestive-----	0.2	0.5	-	-	-	-	-	-	0.6
Respiratory System-----	58.1	63.4	56.1	55.1	63.4	59.2	57.6	51.0	55.4
Nose, nasal cavity & middle ear-----	0.5	0.4	0.5	-	0.6	-	1.0	-	0.8
Larynx-----	2.5	2.9	2.4	1.6	2.7	3.0	3.0	2.5	2.1
Lung & bronchus-----	54.5	58.9	52.9	52.6	59.5	55.4	53.4	48.2	52.0
Pleura -----	0.5	1.2	-	0.6	0.5	-	-	-	-
Trachea & other respiratory-----	0.1	-	-	-	-	-	-	-	-
Bones & Joints-----	0.7	0.7	0.8	0.8	1.1	-	-	0.4	0.8
Soft Tissue (includes heart)-----	2.3	2.7	2.2	2.0	2.1	3.4	1.8	2.3	2.2
Skin (excludes basal & squamous)-----	7.9	4.9	6.9	6.8	8.3	15.0	8.3	9.3	12.4
Melanoma of the skin-----	6.5	3.9	5.7	5.9	7.0	12.8	7.1	7.7	9.2
Other non-epithelial skin-----	1.4	1.0	1.2	0.8	1.3	2.3	1.1	1.6	3.2
Breast-----	121.0	128.4	128.0	120.6	121.6	111.0	104.5	115.5	116.7

(Table continues)

Female Genital System-----	45.4	46.1	45.5	41.0	44.8	42.9	49.3
Cervix uteri-----	11.7	12.2	11.1	9.0	11.8	12.4	12.7
Corpus uteri-----	16.6	16.4	15.9	16.6	17.3	16.4	18.1
Uterus, NOS-----	0.8	0.6	1.1	0.4	0.4	-	1.4
Ovary-----	12.4	12.8	13.1	12.1	11.6	10.3	12.7
Vagina-----	1.0	1.1	0.9	0.6	0.8	1.1	1.4
Vulva-----	2.5	2.4	3.1	2.0	2.7	2.5	2.1
Other female genital-----	0.4	0.6	0.3	-	-	-	0.6
Urinary System-----	19.2	20.3	18.4	21.4	19.2	20.3	18.4
Urinary bladder (includes in situ)	8.6	9.1	7.9	10.3	7.9	8.9	8.4
Kidney & renal pelvis-----	10.1	10.5	9.8	11.0	10.7	9.8	9.4
Ureter-----	0.5	0.6	0.6	-	-	-	-
Other urinary-----	0.1	-	-	-	-	-	-
Eye & Orbit-----	0.6	0.6	0.6	0.9	0.9	-	0.7
Brain & Other Nervous System (NS)	5.2	5.2	5.9	4.6	5.5	4.0	5.8
Brain-----	4.9	4.9	5.5	4.5	5.0	3.3	5.4
Cranial nerves & other NS-----	0.3	0.3	0.4	-	0.5	-	5.6
Endocrine System-----	7.8	7.9	7.2	7.8	8.9	7.9	7.7
Thyroid-----	7.3	7.2	6.6	7.3	8.3	7.5	7.0
Other endocrine & thymus-----	0.6	0.6	0.6	0.5	0.7	-	0.8
Lymphomas-----	17.3	16.4	16.9	19.9	18.1	17.4	17.4
Hodgkin's disease-----	2.2	2.1	1.8	2.2	3.0	1.5	2.4
Non-Hodgkin's lymphoma-----	15.0	14.4	15.1	17.7	15.1	15.8	15.0
Multiple Myeloma-----	5.0	5.4	4.8	4.9	4.2	3.7	4.7
Leukemias-----	8.4	8.8	7.5	7.4	9.8	6.8	9.1
Lymphocytic-----	3.1	2.8	2.6	3.2	3.8	2.3	3.5
Acute lymphocytic-----	0.8	0.9	0.7	1.1	0.7	-	0.8
Chronic lymphocytic-----	2.2	1.9	1.7	2.1	2.9	1.6	2.6
Other lymphocytic-----	0.1	-	-	-	-	-	3.3
Myeloid-----	4.1	4.7	4.3	3.2	4.6	3.5	4.5
Acute myeloid-----	2.8	3.0	3.3	1.9	2.9	2.2	2.9
Chronic myeloid-----	1.1	1.6	0.9	1.1	1.5	1.3	2.0
Other myeloid-----	0.1	-	-	-	-	-	1.0
Monocytic-----	0.2	-	-	-	0.5	-	-
Acute monocytic-----	0.1	-	-	-	0.4	-	-
Chronic monocytic-----	0.1	-	-	-	-	-	-
Other monocytic-----	-	-	-	-	-	-	-
Other-----	1.0	1.2	0.6	0.7	1.0	0.8	1.5
Other acute-----	0.6	0.7	0.3	-	0.7	-	1.1
Other chronic-----	0.1	-	-	-	-	-	-
Aleukemic, subleukemic & NOS-----	0.3	0.4	-	-	-	-	0.4
III-defined & Unknown Sites-----	12.8	13.4	12.2	12.0	14.0	13.7	11.4
IN SITU CANCERS (NOT INCLUDED ABOVE)	17.2	19.7	18.0	17.2	15.4	13.4	13.8
Breast in situ-----	-	-	-	-	-	-	-

- Statistics are not generated for cells with counts of five or less.

Cancer in Louisiana: 1995-1999

TABLE C4 AVERAGE ANNUAL AGE-ADJUSTED (2000 U.S. STANDARD) CANCER INCIDENCE RATES PER 100,000 POPULATION, BY PRIMARY SITE,
LOUISIANA AND EIGHT STATE GEOGRAPHIC REGIONS, WHITES, MALES AND FEMALES, 1995-1999

PRIMARY SITE:	LOUISIANA REGION	NEW ORLEANS REGION	BATON ROUGE REGION	SOUTHEAST REGION	ACADIANA REGION	SOUTHWEST REGION	CENTRAL REGION	NORTHWEST REGION	NORTHEAST REGION
INVASIVE CANCERS									
All Sites Combined-----	473.6	465.9	488.9	468.2	486.7	473.2	447.8	472.6	484.8
Oral Cavity & Pharynx-----	12.4	12.8	12.7	11.2	13.3	11.2	11.1	11.5	14.9
Lip-----	1.3	0.7	1.4	1.0	1.5	1.2	0.6	1.7	3.0
Tongue-----	2.8	3.6	2.9	2.3	2.9	2.7	2.2	2.6	2.3
Salivary glands-----	1.4	1.4	0.9	1.3	1.8	1.3	1.6	1.4	1.9
Floor of mouth-----	1.1	1.1	1.4	1.0	1.0	0.7	1.3	0.7	1.2
Gum & other mouth-----	1.9	2.0	1.8	2.3	2.1	1.6	1.6	1.8	2.2
Nasopharynx-----	0.6	0.6	0.7	0.3	0.7	0.7	1.0	0.6	0.6
Tonsil-----	1.5	1.5	1.8	1.3	1.3	1.9	1.0	1.2	1.8
Oropharynx-----	0.4	0.6	0.6	0.4	-	-	-	0.4	0.5
Hypopharynx-----	1.0	0.8	0.9	1.0	1.2	-	1.1	0.9	1.2
Other oral cavity & pharynx-----	0.4	0.5	0.3	-	0.5	-	-	0.3	-
Digestive System-----	90.7	90.8	92.1	94.0	93.3	88.1	89.1	89.9	84.9
Esophagus-----	4.4	4.5	5.4	3.9	4.4	4.6	3.4	4.7	4.0
Stomach-----	6.8	7.4	6.4	8.2	6.5	6.3	5.6	7.0	5.5
Small intestine-----	1.6	2.2	1.3	1.6	1.2	1.8	1.4	1.3	1.3
Colon & rectum-----	57.3	56.3	58.8	59.6	57.4	56.3	56.4	59.1	53.7
Colon -----	41.3	42.4	42.8	42.6	40.1	39.8	38.7	41.4	40.2
Rectum -----	16.0	13.9	16.1	17.0	17.3	16.5	17.6	17.7	13.5
Anus, anal canal & anorectum-----	1.5	1.8	1.8	1.0	1.1	0.8	1.7	1.6	2.0
Liver & Intrahepatic bile ducts-----	4.5	5.3	4.4	5.2	4.7	3.2	4.2	3.9	3.2
Liver-----	3.9	4.8	4.0	4.5	3.9	2.6	3.6	3.4	2.8
Intrahepatic bile ducts-----	0.6	0.5	0.4	0.7	0.8	0.6	0.6	0.5	-
Gallbladder-----	1.0	1.2	1.0	1.0	1.0	1.1	1.0	0.6	0.7
Other biliary-----	1.3	1.1	1.3	1.2	1.5	1.1	1.8	0.9	1.9
Pancreas-----	11.7	10.3	11.3	11.6	15.0	12.7	12.8	10.2	12.1
Retropertitoneum-----	0.2	-	0.2	-	-	-	-	-	-
Peritoneum, omentum & mesentery-----	0.2	0.3	0.3	-	-	-	-	-	-
Other digestive-----	0.2	0.4	-	-	-	-	-	-	-
Respiratory System-----	88.7	87.0	88.7	86.8	93.7	88.3	91.5	83.1	95.8
Nose, nasal cavity & middle ear-----	0.8	0.7	0.9	0.4	0.9	0.7	1.1	0.6	1.6
Larynx-----	5.9	6.0	6.7	5.3	6.9	5.8	6.3	5.0	4.9
Lung & bronchus-----	80.3	77.9	79.2	79.4	84.4	80.1	83.2	76.8	88.3
Pleura -----	1.4	2.3	1.6	1.5	1.1	1.3	0.8	0.7	0.9
Trachea & other respiratory-----	0.2	-	-	-	0.3	-	-	-	-
Bones & Joints-----	0.9	1.2	0.7	0.8	1.1	0.8	1.0	0.5	0.6
Soft Tissue (includes heart)-----	2.6	2.6	2.1	3.0	2.8	3.5	1.7	2.4	2.9
Skin (excludes basal & squamous)-----	13.5	11.5	11.7	10.6	13.0	20.0	11.4	14.8	22.0
Melanoma of the skin-----	11.1	8.1	9.9	8.9	10.9	17.5	9.7	13.1	17.9
Other non-epithelial skin-----	2.4	3.4	1.8	1.7	2.1	2.5	1.7	1.7	4.1
Breast-----	69.1	72.5	73.7	68.6	67.8	61.4	62.4	68.0	69.3

(Table continues)

Female Genital System-----	24.0	23.9	24.3	21.7	23.7	24.3	23.4	26.3
Cervix uteri-----	4.8	4.2	4.2	3.8	5.7	6.5	6.0	5.5
Corpus uteri-----	9.4	9.8	9.2	9.3	9.2	9.6	7.9	5.2
Uterus, NOS-----	0.3	0.4	0.3	-	-	-	0.4	10.5
Ovary-----	7.2	7.4	7.9	6.9	6.3	6.0	6.4	0.5
Vagina-----	0.5	0.5	0.4	-	0.4	-	-	7.5
Vulva-----	1.5	1.2	2.1	1.1	1.8	1.5	2.1	1.0
Other female genital-----	0.2	0.4	-	-	-	-	0.3	1.2
Male Genital System-----	69.4	60.9	82.7	67.3	70.3	74.8	57.6	65.0
Prostate -----	66.3	58.0	79.5	65.0	66.5	71.2	54.5	62.5
Testis-----	2.6	2.7	2.6	1.9	3.3	3.3	2.6	1.5
Penis-----	0.4	0.2	0.5	0.3	0.4	-	0.8	0.8
Other male genital-----	0.1	-	-	-	-	-	-	-
Urinary System-----	36.0	35.9	37.5	38.9	36.9	37.8	34.3	31.1
Urinary bladder (includes in situ)	21.1	21.9	22.3	22.7	20.2	23.4	19.0	18.8
Kidney & renal pelvis-----	13.9	13.0	14.3	15.3	15.9	13.4	14.2	11.6
Ureter-----	0.8	0.9	0.7	0.6	0.7	0.9	0.9	0.6
Other urinary-----	0.2	0.2	-	-	-	-	-	-
Eye & Orbit-----	0.8	0.7	0.9	1.0	1.0	0.6	0.7	0.9
Brain & Other Nervous System (NS)-----	7.0	6.6	7.7	5.6	7.7	5.6	6.0	8.0
Brain-----	6.6	6.3	7.3	5.2	7.2	5.2	5.7	7.9
Cranial nerves & other NS-----	0.3	0.3	0.4	0.4	0.4	-	-	-
Endocrine System-----	6.3	6.8	5.8	6.4	7.1	5.4	5.0	5.7
Thyroid-----	5.8	6.2	5.3	6.0	6.5	5.0	4.4	5.2
Other endocrine & thymus-----	0.5	0.6	0.6	0.4	0.6	-	0.5	0.5
Lymphomas-----	22.3	23.2	21.2	23.7	22.7	22.4	21.5	23.0
Hodgkin's disease-----	2.9	3.1	2.6	2.6	3.3	2.5	3.1	2.7
Non-Hodgkin's lymphoma-----	19.4	20.0	18.6	21.1	19.5	19.9	18.4	17.7
Multiple Myeloma-----	4.6	3.9	4.5	4.4	4.7	4.8	4.9	6.5
Leukemias-----	11.0	10.7	10.3	9.8	12.0	9.8	12.3	13.5
Lymphocytic-----	4.6	4.2	3.9	4.6	5.5	3.8	4.4	6.3
Acute lymphocytic-----	1.2	1.3	1.0	1.3	1.2	0.9	1.2	1.2
Chronic lymphocytic-----	3.2	2.8	2.8	2.7	4.0	2.6	2.9	4.9
Other lymphocytic-----	0.2	-	-	0.5	-	-	-	-
Myeloid-----	5.0	5.2	5.2	3.9	5.2	5.0	6.4	6.0
Acute myeloid-----	3.3	3.2	3.6	2.4	3.1	3.1	4.9	4.3
Chronic myeloid-----	1.6	1.9	1.4	1.4	1.9	1.9	1.3	1.5
Other myeloid-----	0.1	-	-	-	-	-	-	-
Monocytic-----	0.2	-	0.3	-	0.3	-	-	-
Acute monocytic-----	0.2	-	0.3	-	0.3	-	-	-
Chronic monocytic-----	-	-	-	-	-	-	-	-
Other monocytic-----	1.2	1.2	0.9	1.2	1.1	0.8	1.2	1.0
Other-----	0.6	0.7	0.5	0.7	0.6	-	0.6	-
Other acute-----	0.1	-	-	-	-	-	-	-
Other chronic-----	0.4	0.4	0.3	0.3	0.4	-	0.5	0.7
Aleukemic, subleukemic & NOS-----	0.4	-	-	-	-	-	-	-
Ill-defined & Unknown Sites-----	14.3	15.0	12.4	14.5	15.5	14.6	13.9	12.6
IN SITU CANCERS (NOT INCLUDED ABOVE)	9.9	11.8	10.3	9.7	8.7	8.1	7.5	10.1
Breast in situ-----	-	-	-	-	-	-	-	-

- Statistics are not generated for cells with counts of five or less.

Cancer in Louisiana: 1995-1999

TABLE C5 AVERAGE ANNUAL AGE-ADJUSTED (2000 U.S. STANDARDS) CANCER INCIDENCE RATES PER 100,000 POPULATION, BY PRIMARY SITE,
LOUISIANA AND EIGHT STATE GEOGRAPHIC REGIONS, WHITE MALES, 1995-1999

PRIMARY SITE:	LOUISIANA REGION	NEW ORLEANS REGION	BATON ROUGE REGION	SOUTHEAST REGION	ACADIANA REGION	SOUTHWEST REGION	CENTRAL REGION	NORTHWEST REGION	NORTHEAST REGION
INVASIVE CANCERS									
All sites Combined-----	585.8	571.4	607.6	569.9	606.8	580.0	550.2	591.4	608.1
Oral Cavity & Pharynx-----	19.2	20.0	19.4	17.0	20.7	15.2	17.8	17.9	25.2
Lip-----	2.8	1.4	2.7	2.2	3.2	2.5	1.5	3.8	6.3
Tongue-----	4.1	5.3	3.9	3.9	3.9	3.2	3.6	3.6	3.9
Salivary glands-----	2.0	2.0	1.4	1.7	2.8	1.5	1.9	1.9	3.1
Floor of mouth-----	1.6	1.7	2.2	1.0	1.3	2.2	1.0	1.0	2.2
Gum & other mouth-----	2.4	2.7	2.2	2.7	2.6	2.3	1.8	1.6	3.6
Nasopharynx-----	0.8	0.9	0.8	-	1.1	-	1.8	-	-
Tonsil-----	2.4	2.3	3.2	2.3	2.0	2.0	1.8	2.3	2.9
Oropharynx-----	0.8	1.1	1.0	0.6	-	-	0.8	-	-
Hypopharynx-----	1.6	1.4	1.4	1.9	2.5	-	1.7	1.7	1.6
Other oral cavity & pharynx-----	0.6	1.1	0.5	-	0.9	-	-	-	-
Digestive System-----	116.9	118.0	120.0	119.8	123.5	107.3	117.0	115.8	105.6
Esophagus-----	7.4	7.6	8.6	6.0	7.0	8.3	5.4	8.2	6.8
Stomach-----	10.3	11.0	9.6	13.5	10.4	9.8	8.4	10.1	7.9
Small intestine-----	1.8	2.3	1.6	2.0	0.9	2.2	1.8	2.1	1.1
Colon & rectum-----	71.7	70.1	74.8	73.3	75.9	64.3	72.4	73.4	66.0
Colon -----	49.9	51.1	52.4	51.4	51.4	43.1	49.7	49.0	46.7
Rectum -----	21.8	18.9	22.4	21.9	24.7	21.3	22.8	24.4	19.2
Anus, anal canal & anorectum-----	1.3	1.6	1.6	0.8	0.8	-	1.4	1.2	2.3
Liver & Intrahepatic bile ducts-----	7.1	10.1	6.9	7.6	7.2	5.6	6.1	5.9	3.1
Liver-----	6.4	9.4	6.3	6.6	6.3	5.1	5.1	5.4	2.7
Intrahepatic bile ducts-----	0.7	0.7	0.7	1.1	0.9	-	-	-	-
Gallbladder-----	0.6	0.8	-	1.0	0.7	-	-	-	-
Other biliary-----	1.6	1.6	1.3	1.8	1.8	1.6	2.2	1.1	2.0
Pancreas-----	14.3	12.3	14.4	12.7	18.0	14.4	17.3	12.7	16.0
Retroperitoneum-----	0.3	-	-	-	-	-	-	-	-
Peritoneum, omentum & mesentery-----	0.1	-	-	-	-	-	-	-	-
Other digestive-----	0.3	-	-	-	-	-	-	-	-
Respiratory System-----	127.9	121.3	127.6	125.4	133.5	124.3	133.1	120.2	150.9
Nose, nasal cavity & middle ear-----	1.1	0.9	1.1	0.6	1.3	-	-	1.2	2.3
Larynx-----	10.3	10.3	12.2	10.1	12.0	9.3	10.5	8.3	8.2
Lung & bronchus-----	113.5	105.9	110.4	111.8	117.4	110.3	119.6	109.0	138.9
Pleura -----	2.7	4.0	3.6	2.6	2.1	2.8	1.8	1.7	1.5
Trachea & other respiratory-----	0.3	-	-	-	0.6	-	-	-	-
Bones & Joints-----	0.9	1.4	-	1.0	0.9	-	1.2	-	-
Soft tissue (includes heart)-----	3.4	2.7	2.5	4.2	4.4	4.0	2.2	3.0	4.8
Skin (excludes basal & squamous)-----	17.9	18.0	15.3	13.5	17.0	22.5	12.6	19.4	29.1
Melanoma of the skin-----	14.3	11.8	12.7	11.0	13.9	20.1	10.0	17.3	23.7
Other non-epithelial skin-----	3.6	6.2	2.6	2.5	3.1	2.4	2.6	2.1	5.4
Breast-----	1.7	1.5	1.9	2.3	1.8	-	1.5	1.8	2.2

(Table continues)

Male Genital System-----	164.1	149.6	189.3	155.0	166.2	172.2	135.2	183.7	154.3
Prostate -----	157.6	143.6	182.6	150.4	158.3	165.1	128.8	175.9	149.0
Testis-----	5.2	5.4	5.2	3.9	6.7	6.5	5.0	5.9	3.1
Penis-----	1.0	0.6	1.1	0.6	1.0	-	-	1.8	1.8
Other male genital-----	0.2	-	-	-	-	-	-	-	-
Urinary System-----	58.0	59.2	62.0	60.4	59.2	58.2	54.9	55.4	50.4
Urinary bladder (includes in situ)	38.0	41.3	41.5	38.3	35.5	41.0	34.4	34.5	33.9
Kidney & renal pelvis-----	18.6	16.6	19.5	20.2	22.3	15.8	18.9	18.9	15.4
Ureter-----	1.1	1.0	0.7	1.2	1.2	-	1.2	1.8	-
Other urinary-----	0.3	-	-	-	-	-	-	-	-
Eye & Orbit-----	0.9	0.8	1.0	0.9	0.9	-	-	0.8	-
Brain & Other Nervous System (NS)	8.4	8.1	9.0	6.2	9.4	7.3	8.0	9.1	10.2
Brain-----	7.9	7.7	8.4	5.5	9.1	6.9	7.6	8.6	10.2
Cranial nerves & other NS-----	0.4	0.4	0.6	0.7	-	-	-	-	-
Endocrine System-----	3.9	4.3	3.7	3.8	4.1	3.5	3.3	3.3	4.8
Thyroid-----	3.3	3.5	2.9	3.5	3.5	2.9	2.4	2.7	4.4
Other endocrine & thymus-----	0.6	0.8	0.9	-	0.6	-	-	-	-
Lymphomas-----	26.1	29.5	23.1	25.6	26.2	27.5	23.2	26.0	26.2
Hodgkin's disease-----	3.3	3.6	2.9	2.7	3.3	3.7	3.4	3.3	2.9
Non-Hodgkin's lymphoma-----	22.9	25.8	20.2	23.0	22.9	23.8	19.8	22.7	23.4
Multiple Myeloma-----	5.7	4.5	5.3	4.9	6.9	7.1	5.5	4.9	8.9
Leukemias-----	13.9	13.7	12.9	12.4	13.9	13.0	16.7	13.5	16.9
Lymphocytic-----	6.1	5.5	4.9	6.0	7.2	5.8	6.4	6.6	7.6
Acute lymphocytic-----	1.5	1.7	1.0	1.5	1.6	1.3	1.5	1.4	1.9
Chronic lymphocytic-----	4.3	3.7	3.7	3.4	5.2	4.1	4.3	4.9	5.4
Other lymphocytic-----	0.4	-	-	1.1	-	-	-	-	-
Myeloid-----	6.2	6.5	6.0	4.9	5.4	6.6	9.4	5.0	7.5
Acute myeloid-----	3.9	4.0	3.9	3.5	3.0	3.7	6.6	2.7	5.0
Chronic myeloid-----	2.2	2.4	1.8	1.4	2.4	2.7	2.4	2.1	2.6
Other myeloid-----	0.1	-	-	-	-	-	-	-	-
Monocytic-----	0.2	-	0.6	-	-	-	-	-	-
Acute monocytic-----	0.2	-	0.6	-	-	-	-	-	-
Chronic monocytic-----	-	-	-	-	-	-	-	-	-
Other monocytic-----	1.4	1.6	1.4	1.6	1.1	-	-	1.7	1.6
Other-----	0.6	0.7	0.6	1.1	-	-	-	-	-
Other chronic-----	-	-	-	-	-	-	-	-	-
Aleukemic, subleukemic & NOS-----	0.7	0.8	0.7	-	0.8	-	-	0.9	-
Ill-defined & Unknown Sites-----	16.9	18.6	14.0	17.5	18.2	15.6	17.2	16.2	17.3
IN SITU CANCERS (NOT INCLUDED ABOVE)	0.3	0.5	-	-	-	-	-	-	-
Breast in situ-----	0.3	0.5	-	-	-	-	-	-	-

- Statistics are not generated for cells with counts of five or less.

Cancer in Louisiana: 1995-1999

TABLE C6 AVERAGE ANNUAL AGE-ADJUSTED (2000 U.S. STANDARD) CANCER INCIDENCE RATES PER 100,000 POPULATION, BY PRIMARY SITE,
LOUISIANA AND EIGHT STATE GEOGRAPHIC REGIONS, WHITE FEMALES, 1995-1999

PRIMARY SITE:	LOUISIANA REGION	NEW ORLEANS REGION	BATON ROUGE REGION	SOUTHEAST REGION	ACADIANA REGION	SOUTHWEST REGION	CENTRAL REGION	NORTHWEST REGION	NORTHEAST REGION
INVASIVE CANCERS									
All Sites Combined-----	399.8	402.4	405.5	398.8	406.9	397.9	378.7	395.7	404.4
Oral Cavity & Pharynx-----	7.0	7.2	7.3	6.5	7.3	7.9	5.7	6.5	6.9
Lip-----	0.2	-	-	-	-	-	-	-	-
Tongue-----	1.8	2.1	2.1	1.2	2.1	2.3	1.2	1.7	1.1
Salivary Glands-----	1.0	1.0	0.5	1.0	1.1	1.3	1.3	1.1	1.2
Floor of mouth-----	0.6	0.7	0.6	1.0	0.8	-	-	-	-
Gum & other mouth-----	1.5	1.4	1.3	1.8	1.5	1.0	1.4	1.8	1.1
Nasopharynx-----	0.4	0.3	0.6	-	-	-	-	0.6	-
Tonsil-----	0.7	0.9	0.9	-	0.7	1.7	-	-	1.0
Oropharynx-----	0.1	-	-	-	-	-	-	-	-
Hypopharynx-----	0.4	0.4	0.5	-	-	-	-	-	-
Other oral cavity & pharynx-----	0.1	-	-	-	-	-	-	-	-
Digestive System-----	71.3	71.4	72.1	73.4	70.7	73.5	68.8	71.0	68.7
Esophagus-----	2.1	2.2	2.5	2.2	2.3	2.0	1.8	1.8	1.8
Stomach-----	4.3	4.8	4.0	4.4	3.9	3.9	3.8	4.8	3.7
Small intestine-----	1.4	2.0	1.1	1.3	1.3	1.5	1.2	0.7	1.4
Colon & rectum-----	46.8	46.5	47.7	48.7	43.7	50.0	44.8	49.0	44.1
Colon -----	35.3	36.3	36.4	35.7	32.1	37.0	31.1	36.3	35.5
Rectum -----	11.5	10.1	11.3	12.9	11.6	12.9	13.7	12.7	8.6
Anus, anal canal & anorectum-----	1.6	1.8	1.9	1.1	1.4	-	2.0	1.9	1.9
Liver & Intrahepatic bile ducts-----	2.5	2.1	2.6	3.1	3.0	1.5	2.7	2.4	3.1
Liver-----	2.1	1.7	2.4	2.7	2.2	-	2.4	1.8	2.7
Intrahepatic bile ducts-----	0.4	0.3	-	-	0.8	-	-	0.5	-
Gallbladder-----	1.2	1.5	1.5	1.0	1.2	1.7	1.1	0.7	1.0
Other biliary-----	1.0	0.8	1.3	0.6	1.3	-	1.5	0.7	1.8
Pancreas-----	9.7	8.8	8.9	10.5	12.5	10.9	9.2	8.4	9.1
Retroperitoneum-----	0.1	-	-	-	-	-	-	-	-
Peritoneum, omentum & mesentery-----	0.3	0.3	-	-	-	-	-	-	-
Other digestive-----	0.2	0.4	-	-	-	-	-	-	-
Respiratory System-----	60.7	64.2	59.8	57.6	64.7	60.2	60.9	57.5	57.3
Nose, nasal cavity & middle ear-----	0.6	0.5	0.7	-	0.6	-	1.2	-	1.1
Larynx-----	2.5	2.7	2.2	1.7	3.0	3.0	3.3	2.5	2.3
Lung & bronchus-----	57.0	59.8	56.5	55.1	60.5	56.2	56.2	54.7	53.3
Pleura -----	0.5	1.2	-	0.6	0.5	-	-	-	-
Trachea & other respiratory-----	0.1	-	-	-	-	-	-	-	-
Bones & Joints-----	0.8	0.9	0.9	0.7	1.2	-	-	-	-
Soft Tissue (includes heart)-----	2.0	2.4	1.9	2.2	1.7	3.0	1.4	1.9	1.8
Skin (excludes basal & squamous)-----	10.1	6.4	8.8	8.5	9.9	18.2	10.5	11.5	17.0
Melanoma of the skin-----	8.7	5.5	7.6	7.4	8.7	15.8	9.3	10.1	13.7
Other non-epithelial skin-----	1.4	0.8	1.2	1.0	1.3	2.4	1.2	1.5	3.2
Breast-----	124.2	127.5	133.6	126.0	122.5	112.7	112.1	121.3	123.2 (Table continues)

Female Genital System-----	44.1	43.0	44.4	40.4	43.8	45.7	43.4	47.9	48.0
Cervix uteri-----	9.3	8.1	7.9	7.3	10.8	12.9	11.9	10.4	9.8
Corpus uteri-----	17.0	17.4	16.8	17.2	16.7	17.5	14.2	17.2	18.9
Uterus, NOS-----	0.6	0.7	0.6	—	—	—	—	0.8	0.9
Ovary-----	13.2	13.4	14.4	12.7	11.6	11.2	11.9	15.6	13.8
Vagina-----	0.8	0.8	0.7	—	0.7	—	—	1.0	1.6
Vulva-----	2.7	2.0	3.7	2.1	3.3	2.7	3.6	2.4	2.2
Other female genital-----	0.4	0.7	—	—	—	—	0.6	—	—
Urinary System-----	20.1	21.2	19.0	23.0	19.8	22.3	18.5	18.3	17.7
Urinary bladder (includes in situ)	9.3	9.8	8.5	11.4	8.7	10.1	7.8	9.0	8.8
Kidney & renal pelvis-----	10.2	10.5	9.9	11.5	10.8	11.5	10.0	8.7	8.5
Ureter-----	0.6	0.8	0.7	—	—	—	—	0.6	—
Other urinary-----	—	—	—	—	—	—	—	—	—
Eye & Orbit-----	0.8	0.6	0.7	1.1	1.1	—	—	1.0	0.9
Brain & Other Nervous System (NS)-----	5.8	5.5	6.4	5.1	6.1	4.2	4.1	7.2	6.3
Brain-----	5.5	5.3	6.3	5.0	5.6	3.9	4.0	7.0	5.9
Cranial nerves & other NS-----	0.2	—	—	0.6	0.6	—	—	—	—
Endocrine System-----	8.7	9.3	7.9	8.7	10.1	7.4	6.9	8.3	10.2
Thyroid-----	8.2	8.9	7.6	8.2	9.5	7.0	6.6	7.7	9.9
Other endocrine & thymus-----	0.5	0.4	—	0.6	0.7	—	—	—	—
Lymphomas-----	19.3	18.1	19.5	22.1	20.7	18.0	20.3	16.5	20.6
Hodgkin's disease-----	2.6	2.7	2.1	2.5	3.4	1.4	2.8	2.5	2.6
Non-Hodgkin's lymphoma-----	16.7	15.4	17.4	19.6	17.3	16.6	17.5	14.1	18.0
Multiple Myeloma-----	3.8	3.5	3.8	3.9	3.1	3.0	4.3	4.2	4.8
Leukemias-----	9.0	8.8	8.3	7.7	11.0	7.3	9.1	8.7	11.2
Lymphocytic-----	3.5	3.1	3.1	3.4	4.4	2.1	2.8	3.8	5.0
Acute lymphocytic-----	1.0	1.0	1.0	1.1	1.0	—	1.1	1.0	—
Chronic lymphocytic-----	2.4	2.1	1.9	2.1	3.3	1.5	1.7	2.6	4.4
Other lymphocytic-----	0.1	—	—	—	—	—	—	—	—
Myeloid-----	4.3	4.6	4.5	3.2	5.0	4.0	4.5	3.1	5.3
Acute myeloid-----	2.9	2.8	3.4	1.7	3.3	2.7	3.7	2.4	4.3
Chronic myeloid-----	1.2	1.7	1.1	1.3	1.6	1.3	—	0.6	0.9
Other myeloid-----	0.1	—	—	—	—	—	—	—	—
Monocytic-----	0.2	—	—	—	0.5	—	—	—	—
Acute monocytic-----	0.1	—	—	—	—	—	—	—	—
Chronic monocytic-----	—	—	—	—	—	—	—	—	—
Other monocytic-----	—	—	—	—	—	—	—	—	—
Other-----	1.0	1.0	0.6	0.9	1.0	1.0	1.5	1.8	—
Other acute-----	0.7	0.7	—	0.8	—	0.8	0.9	1.3	—
Other chronic-----	0.1	—	—	—	—	—	—	—	—
Aleukemic, subleukemic & NOS-----	0.3	—	—	—	—	—	—	—	—
Un-defined & Unknown Sites-----	12.1	12.3	11.2	11.9	13.1	13.4	11.4	13.6	9.1
IN SITU CANCERS (NOT INCLUDED ABOVE)	18.1	21.1	19.3	18.2	16.1	14.9	13.7	18.1	18.5
Breast in situ-----	—	—	—	—	—	—	—	—	—

- Statistics are not generated for cells with counts of five or less.

Cancer in Louisiana: 1995-1999

TABLE C7 AVERAGE ANNUAL AGE-ADJUSTED (2000 U.S. STANDARD) CANCER INCIDENCE RATES PER 100,000 POPULATION, BY PRIMARY SITE,
LOUISIANA AND EIGHT STATE GEOGRAPHIC REGIONS, BLACKS, MALES AND FEMALES, 1995-1999

PRIMARY SITE:	LOUISIANA REGION	NEW ORLEANS REGION	BATON ROUGE REGION	SOUTHEAST REGION	ACADIANA SOUTH REGION	SOUTHWEST REGION	CENTRAL REGION	NORTHWEST REGION	NORTHEAST REGION
INVASIVE CANCERS									
All Sites Combined-----	501.6	561.1	504.5	456.5	512.6	466.5	422.5	466.6	491.8
Oral Cavity & Pharynx-----	12.3	13.9	11.1	11.9	12.9	11.0	12.6	13.0	9.8
Lip-----	0.2	-	-	2.4	1.7	2.6	3.2	-	-
Tongue-----	2.2	2.3	2.1	-	-	-	-	2.8	1.5
Salivary glands-----	0.7	1.1	-	-	-	-	-	-	-
Floor of mouth-----	1.5	1.3	1.2	1.8	2.2	-	-	2.3	-
Gum & other mouth-----	2.5	2.9	2.2	3.0	2.3	3.4	2.4	2.1	1.7
Nasopharynx-----	0.9	1.0	0.7	-	1.1	-	-	1.0	-
Tonsil-----	1.5	2.1	1.2	-	1.9	-	-	1.7	-
Oropharynx-----	0.6	0.7	0.8	-	-	-	-	-	-
Hypopharynx-----	1.4	1.4	1.6	-	1.4	-	-	1.2	-
Other oral cavity & pharynx-----	0.8	0.9	0.7	-	-	-	3.7	1.2	-
Digestive System-----	112.0	128.6	112.0	100.1	113.5	111.4	99.8	100.1	108.3
Esophagus-----	8.2	8.2	8.5	7.0	6.2	8.9	11.0	8.0	10.2
Stomach-----	15.2	17.0	14.6	14.9	17.5	12.8	13.3	14.2	14.3
Small intestine-----	2.3	2.3	2.4	1.8	3.0	-	3.2	2.4	1.5
Colon & rectum-----	60.4	69.8	62.2	55.0	56.5	61.1	49.8	57.3	56.2
Colon -----	46.4	55.4	48.6	41.0	44.7	47.7	38.5	41.1	41.7
Rectum -----	14.0	14.4	13.6	14.0	11.8	13.4	11.3	16.2	14.5
Anus, anal canal & anorectum-----	1.2	1.9	0.9	-	1.1	-	-	0.8	-
Liver & Intrahepatic bile ducts-----	5.2	7.5	4.9	4.1	6.3	7.1	1.9	2.3	4.4
Liver-----	4.7	6.9	4.5	3.2	5.2	5.9	1.9	1.8	4.4
Intrahepatic bile ducts-----	0.5	0.6	-	-	-	-	-	-	-
Gallbladder-----	1.6	2.0	2.0	-	1.5	-	-	1.4	1.4
Other biliary-----	1.0	1.3	0.7	-	1.1	-	-	1.4	1.4
Pancreas-----	16.2	17.6	15.3	14.1	19.1	18.8	16.5	12.6	17.4
Retropertitoneum-----	0.2	-	-	-	-	-	-	-	-
Peritoneum, omentum & mesentery-----	-	-	-	-	-	-	-	-	-
Other digestive-----	0.4	0.5	-	-	-	-	-	-	-
Respiratory System-----	98.2	113.5	93.8	93.5	116.4	90.4	82.9	81.7	92.1
Nose, nasal cavity & middle ear-----	0.7	1.0	-	-	-	-	-	-	-
Larynx-----	8.1	10.5	7.1	7.0	9.2	6.2	5.5	8.1	6.0
Lung & bronchus-----	88.3	100.3	85.2	84.5	105.0	83.7	75.9	72.8	85.3
Pleura -----	0.8	1.7	0.7	-	-	-	-	-	-
Trachea & other respiratory-----	0.2	-	-	-	-	-	-	-	-
Bones & Joints-----	0.7	0.6	0.7	1.4	1.0	-	-	-	-
Soft Tissue (includes heart)-----	3.6	3.7	3.2	2.4	3.1	4.9	5.3	3.3	4.1
Skin (excludes basal & squamous)-----	3.5	4.0	3.0	-	5.8	3.6	2.3	2.1	4.8
Melanoma of the skin-----	1.2	1.2	1.1	-	2.5	-	-	-	-
Other non-epithelial skin-----	2.4	2.8	1.9	-	3.3	-	-	1.6	4.0
Breast-----	66.0	79.0	65.7	58.8	68.3	57.1	45.3	59.5	61.2

(Table continues)

Female Genital System-----	29.1	32.0	27.8	26.4	29.1	18.6	22.7	31.4
Cervix uteri-----	10.3	11.4	10.9	9.7	8.6	6.6	10.7	11.5
Corpus uteri-----	9.5	9.5	7.9	8.9	12.2	6.7	12.1	10.1
Uterus, NOS-----	0.7	-	1.4	-	-	-	-	1.5
Ovary-----	6.3	7.6	5.6	5.6	6.8	3.6	3.9	6.2
Vagina-----	0.9	0.9	0.9	-	-	-	-	1.0
Vulva-----	1.1	1.8	0.9	-	-	-	-	1.1
Other female genital-----	0.2	-	-	-	-	-	-	-
Male Genital System-----	91.0	88.4	104.7	82.7	78.1	87.7	70.4	96.4
Prostate -----	89.8	86.9	103.7	81.9	77.0	85.9	70.4	94.9
Testis-----	0.6	0.8	0.5	-	-	-	-	-
Penis-----	0.5	0.6	-	-	-	-	-	-
Other male genital-----	0.1	-	-	-	-	-	-	-
Urinary System-----	25.7	30.7	25.1	27.4	24.1	22.4	24.9	23.9
Urinary bladder (includes in situ)	11.8	15.3	10.4	11.3	10.0	11.3	12.5	10.1
Kidney & renal pelvis-----	13.3	14.5	14.1	15.5	13.7	9.9	12.1	13.0
Ureter-----	0.3	-	-	-	-	-	-	-
Other urinary-----	0.4	0.6	-	-	-	-	-	-
Eye & Orbit-----	0.3	-	-	-	-	-	-	-
Brain & Other Nervous System (NS)-----	4.2	4.7	3.4	4.0	4.8	3.6	3.3	3.2
Brain-----	3.6	4.0	3.0	3.7	3.9	2.5	3.0	2.7
Cranial nerves & other NS-----	0.5	0.7	-	-	-	-	-	5.2
Endocrine System-----	4.6	4.2	4.6	3.3	4.7	7.3	2.5	5.7
Thyroid-----	3.8	3.3	3.3	3.1	3.9	6.4	2.2	4.6
Other endocrine & thymus-----	0.8	0.8	1.3	-	-	-	-	1.1
Lymphomas-----	14.0	16.0	13.7	9.9	13.2	16.7	14.5	13.9
Hodgkin's disease-----	1.9	1.7	2.0	1.4	2.0	-	-	2.4
Non-Hodgkin's lymphoma-----	12.1	14.3	11.6	8.5	11.2	15.0	13.1	11.5
Multiple Myeloma-----	10.2	11.7	9.4	11.6	8.9	8.8	10.3	8.0
Leukemias-----	8.6	9.6	8.5	5.5	8.8	6.8	10.9	8.2
Lymphocytic-----	3.3	2.7	3.1	3.0	3.8	3.4	3.8	8.3
Acute lymphocytic-----	0.8	0.7	0.8	-	0.8	-	-	4.1
Chronic lymphocytic-----	2.4	1.9	2.2	2.2	3.1	2.5	2.3	0.6
Other lymphocytic-----	-	-	-	-	-	-	-	3.1
Myeloid-----	4.1	5.1	4.6	2.3	4.3	3.1	5.0	3.1
Acute myeloid-----	3.0	3.8	3.5	1.9	2.9	3.7	2.2	2.4
Chronic myeloid-----	1.1	1.3	0.9	-	1.4	-	-	0.9
Other myeloid-----	-	-	-	-	-	-	-	-
Monozytic-----	-	-	-	-	-	-	-	-
Acute monocytic-----	-	-	-	-	-	-	-	-
Chronic monocytic-----	-	-	-	-	-	-	-	-
Other monocytic-----	-	-	-	-	-	-	-	-
Other-----	1.1	1.6	0.7	-	-	-	2.0	1.6
Other acute-----	0.6	0.7	-	-	-	-	-	1.1
Other chronic-----	-	-	-	-	-	-	-	-
Aleukemic, subleukemic & NOS-----	0.5	0.9	-	-	-	-	-	-
11-defined & Unknown Sites-----	17.6	20.1	17.7	16.3	19.5	14.0	14.0	17.7
IN SITU CANCERS (NOT INCLUDED ABOVE)	8.6	10.7	8.7	7.0	8.0	4.2	7.7	8.8
Breast in situ-----	-	-	-	-	-	-	-	7.8

- Statistics are not generated for cells with counts of five or less.

Cancer in Louisiana: 1995-1999

TABLE C8 AVERAGE ANNUAL AGE-ADJUSTED (2000 U.S. STANDARD) CANCER INCIDENCE RATES PER 100,000 POPULATION, BY PRIMARY SITE,
LOUISIANA AND EIGHT STATE GEOGRAPHIC REGIONS, BLACK MALES, 1995-1999

PRIMARY SITE:	LOUISIANA REGION	NEW ORLEANS REGION	BATON ROUGE REGION	SOUTHEAST REGION	ACADIANA REGION	SOUTHWEST REGION	CENTRAL REGION	NORTHWEST REGION	NORTHEAST REGION
INVASIVE CANCERS									
All sites Combined-----	681.8	747.8	696.6	618.5	678.3	597.1	572.7	667.6	683.0
Oral Cavity & Pharynx-----	20.6	23.6	18.6	23.4	18.9	14.5	16.1	23.3	18.8
Lip-----	0.3	-	-	-	-	4.9	4.8	-	-
Tongue-----	3.5	3.3	2.3	4.2	3.1	-	-	5.2	-
Salivary glands-----	1.0	1.9	-	-	-	-	-	-	-
Floor of mouth-----	2.6	2.3	2.7	4.1	3.0	-	-	3.6	-
Gum & other mouth-----	3.8	4.4	4.2	5.0	3.1	-	-	3.9	-
Nasopharynx-----	1.3	1.7	-	-	-	-	-	-	-
Tonsil-----	2.8	4.4	2.5	-	2.8	-	-	2.8	-
Oropharynx-----	1.3	1.5	1.4	-	-	-	-	-	-
Hypopharynx-----	2.6	2.4	3.3	-	-	-	-	-	-
Other oral cavity & pharynx-----	1.5	1.4	-	-	-	-	-	5.4	2.0
Digestive System-----	142.0	166.1	139.6	119.8	150.2	126.9	128.1	130.5	135.2
Esophagus-----	14.6	14.3	15.2	9.9	11.2	11.6	21.3	16.6	19.0
Stomach-----	22.0	24.4	20.0	20.6	22.8	16.1	15.5	23.0	25.6
Small intestine-----	2.6	3.0	2.2	-	2.7	-	-	3.2	-
Colon & rectum-----	72.6	86.6	75.1	63.2	75.7	64.2	60.4	70.6	58.3
Colon -----	55.0	67.6	56.9	46.5	58.2	55.8	48.8	50.3	40.6
Rectum -----	17.6	19.0	18.2	16.7	17.5	8.4	11.6	20.4	17.7
Anus, anal canal & anorectum-----	1.0	1.1	-	-	-	-	-	-	-
Liver & Intrahepatic bile ducts-----	7.9	12.6	7.8	5.7	9.5	8.5	-	2.7	6.3
Liver-----	7.3	11.9	7.6	3.3	8.3	8.5	-	2.3	6.3
Intrahepatic bile ducts-----	0.6	-	-	-	-	-	-	-	-
Gallbladder-----	1.0	-	-	-	-	-	-	-	-
Other biliary-----	0.9	1.1	-	-	-	-	-	-	-
Pancreas-----	18.5	21.3	16.4	13.9	23.4	21.8	22.7	11.4	19.2
Retropertitoneum-----	0.2	-	-	-	-	-	-	-	-
Peritoneum, omentum & mesentery-----	-	-	-	-	-	-	-	-	-
Other digestive-----	0.5	-	-	-	-	-	-	-	-
Respiratory System-----	166.2	190.2	160.4	159.3	193.7	136.6	134.5	151.7	155.2
Nose, nasal cavity & middle ear-----	1.4	2.0	-	-	-	-	-	-	-
Larynx-----	16.1	21.1	13.2	14.7	19.1	10.2	10.0	16.5	12.4
Lung & bronchus-----	147.0	164.3	143.8	141.3	170.8	125.3	121.7	134.2	141.2
Pleura -----	1.3	2.5	-	-	-	-	-	-	-
Trachea & other respiratory-----	0.4	-	-	-	-	-	-	-	-
Bones & Joints-----	1.0	0.7	-	-	-	-	-	-	-
Soft Tissue (includes heart)-----	4.1	4.3	3.2	3.9	2.7	-	7.5	3.5	5.8
Skin (excludes basal & squamous)-----	5.3	6.1	3.2	-	8.9	-	-	2.6	7.6
Melanoma of the skin-----	1.4	1.4	-	-	2.7	-	-	-	-
Other non-epithelial skin-----	3.9	4.7	2.7	-	6.2	-	-	2.2	5.6
Breast-----	2.8	2.4	3.0	-	5.4	-	-	1.8	3.8

(Table continues)

Male Genital System-----	230.9	226.8	260.8	203.5	193.5	204.9	177.3	253.4	254.8
Prostate -----	228.1	223.2	258.4	201.6	191.0	201.3	177.3	250.9	250.9
Testis-----	1.3	1.7	1.1	-	-	-	-	-	-
Penis-----	1.2	1.4	-	-	-	-	-	-	-
Other male genital-----	0.3	-	-	-	-	-	-	-	-
Urinary System-----	39.0	49.1	37.3	46.6	33.3	38.0	36.5	33.8	31.2
Urinary bladder (includes in situ)	19.9	28.4	16.5	21.6	17.5	22.1	19.4	16.3	14.9
Kidney & renal pelvis-----	18.2	18.9	20.7	23.8	15.2	13.7	16.3	16.8	15.8
Ureter-----	0.4	-	-	-	-	-	-	-	-
Other urinary-----	0.5	-	-	-	-	-	-	-	-
Eye & Orbit-----	0.4	-	-	-	-	-	-	-	-
Brain & Other Nervous System (NS)-----	4.4	5.5	2.2	5.0	5.3	-	2.9	3.9	5.6
Brain-----	3.9	4.3	2.2	4.5	4.3	-	-	3.6	5.6
Cranial nerves & other NS-----	0.5	1.2	-	-	-	-	-	-	-
Endocrine System-----	2.1	1.7	2.7	-	2.7	-	-	2.6	-
Thyroid-----	1.4	1.0	1.3	-	-	-	-	1.9	-
Other endocrine & thymus-----	0.7	-	1.4	-	-	-	-	-	-
Lymphomas-----	16.7	20.0	17.2	9.1	16.5	20.0	16.7	14.1	15.4
Hodgkin's disease-----	2.0	2.1	3.1	-	-	-	-	2.1	2.8
Non-Hodgkin's lymphoma-----	14.6	17.9	14.1	7.6	15.1	18.4	16.4	12.1	12.6
Multiple Myeloma-----	12.8	13.9	12.3	14.0	9.3	10.2	15.4	11.4	14.3
Leukemias-----	11.8	11.5	12.9	5.1	13.2	10.2	13.3	10.7	14.7
Lymphocytic-----	5.3	4.2	5.3	3.7	6.8	-	-	4.6	9.7
Acute lymphocytic-----	1.1	0.8	1.4	-	-	-	-	-	2.4
Chronic lymphocytic-----	4.0	3.4	3.7	-	5.5	-	-	3.0	7.1
Other lymphocytic-----	-	-	-	-	-	-	-	-	-
Myeloid-----	5.1	6.0	6.4	-	6.0	-	7.0	4.0	3.3
Acute myeloid-----	3.7	4.6	4.9	-	4.2	-	-	3.4	-
Chronic myeloid-----	1.3	1.3	1.5	-	-	-	-	-	-
Other myeloid-----	-	-	-	-	-	-	-	-	-
Monocytic-----	-	-	-	-	-	-	-	-	-
Acute monocytic-----	-	-	-	-	-	-	-	-	-
Chronic monocytic-----	-	-	-	-	-	-	-	-	-
Other monocytic-----	-	-	-	-	-	-	-	-	-
Other-----	1.2	0.9	-	-	-	-	-	2.1	-
Other acute-----	0.7	-	-	-	-	-	-	-	-
Other chronic-----	-	-	-	-	-	-	-	-	-
Aplenikemic, subleukemic & NOS-----	0.5	-	-	-	-	-	-	-	-
Ill-defined & Unknown sites-----	21.8	25.5	22.3	20.5	22.6	13.9	17.0	23.1	18.4
IN SITU CANCERS (NOT INCLUDED ABOVE)	-	-	-	-	-	-	-	-	-
Breast in situ-----	-	-	-	-	-	-	-	-	-

- Statistics are not generated for cells with counts of five or less.

Cancer in Louisiana: 1995-1999

TABLE C9 AVERAGE ANNUAL AGE-ADJUSTED (2000 U.S. STANDARD) CANCER INCIDENCE RATES PER 100,000 POPULATION, BY PRIMARY SITE,
LOUISIANA AND EIGHT STATE GEOGRAPHIC REGIONS, BLACK FEMALES, 1995-1999

PRIMARY SITE:	LOUISIANA REGION	NEW ORLEANS REGION	BATON ROUGE REGION	SOUTHEAST REGION	ACADIANA REGION	SOUTHWEST REGION	CENTRAL REGION	NORTHWEST REGION	NORTHEAST REGION	
INVASIVE CANCERS										
All sites Combined-----	386.1	445.2	377.8	346.7	400.6	375.9	325.8	343.1	376.3	
Oral Cavity & Pharynx-----	6.1	7.0	5.2	3.0	8.1	7.6	9.5	5.8	3.7	
Lip-----	-	-	-	-	-	-	-	-	-	
Tongue-----	1.2	1.6	1.9	-	-	-	-	-	-	
Salivary glands-----	0.5	0.7	-	-	-	-	-	-	-	
Floor of mouth-----	0.7	-	-	-	-	-	-	-	1.4	
Gum & other mouth-----	1.5	1.8	-	-	-	-	-	-	-	
Nasopharynx-----	0.5	-	-	-	-	-	-	-	-	
Tonsil-----	0.5	-	-	-	-	-	-	-	-	
Oropharynx-----	-	-	-	-	-	-	-	-	-	
Hypopharynx-----	0.6	0.8	-	-	-	-	-	-	-	
Other oral cavity & pharynx-----	0.4	-	-	-	-	-	-	-	-	
Digestive System-----	91.3	104.0	92.5	85.8	87.1	101.4	80.1	79.3	90.5	
Esophagus-----	3.7	4.0	3.8	5.1	2.3	6.9	3.4	2.2	4.3	
Stomach-----	10.5	12.0	10.7	11.0	13.6	10.4	12.5	8.5	6.9	
Small intestine-----	2.0	1.9	2.6	-	3.1	-	-	1.7	-	
Colon & rectum-----	52.3	59.4	53.7	48.8	43.1	59.6	43.1	48.0	54.7	
Colon -----	40.8	48.1	43.3	37.0	35.4	42.1	31.5	34.8	42.2	
Rectum -----	11.5	11.3	10.4	11.8	7.7	17.5	11.5	13.2	12.4	
Anus, anal canal & anorectum-----	1.3	2.4	-	-	-	-	-	-	-	
Liver & Intrahepatic bile ducts-----	3.2	4.0	2.6	2.9	3.9	5.8	-	2.0	3.0	
Liver-----	2.7	3.5	2.2	2.9	2.9	-	-	1.5	3.0	
Intrahepatic bile ducts-----	0.5	-	-	-	-	-	-	-	-	
Gallbladder-----	1.9	2.7	2.4	-	2.3	-	-	1.3	-	
Other biliary-----	1.1	1.4	-	-	-	-	-	-	-	
Pancreas-----	14.7	15.3	14.3	13.8	16.0	17.3	11.8	13.4	16.4	
Retroperitoneum-----	0.2	-	-	-	-	-	-	-	-	
Peritoneum, omentum & mesentery-----	-	-	-	-	-	-	-	-	-	
Other digestive-----	0.3	-	-	-	-	-	-	-	-	
Respiratory System-----	51.8	63.5	47.1	45.6	61.5	56.7	46.6	35.9	51.2	
Nose, nasal cavity & middle ear-----	0.2	-	-	-	-	-	-	-	-	
Larynx-----	2.5	3.3	2.8	-	1.9	-	-	2.5	-	
Lung & bronchus-----	48.5	58.8	44.1	43.4	58.6	53.7	43.6	32.8	49.0	
Pleura -----	0.5	1.2	-	-	-	-	-	-	-	
Trachea & other respiratory-----	-	-	-	-	-	-	-	-	-	
Bones & Joints-----	0.5	-	-	-	-	-	-	-	-	
Soft tissue (includes heart)-----	3.2	3.2	2.9	-	3.3	5.3	3.7	3.2	3.1	
Skin (excludes basal & squamous)-----	2.3	2.4	2.6	-	3.5	-	-	1.9	3.2	
Melanoma of the skin-----	1.0	1.1	1.5	-	2.2	-	-	-	-	
Other non-epithelial skin-----	1.3	1.3	1.1	-	-	-	-	1.3	3.2	
Breast-----	111.6	131.7	112.8	102.6	115.5	102.0	78.3	99.8	100.0	(Table continues)

Female Genital System-----	49.9	54.1	48.5	46.3	50.2	33.5	39.8	53.0
Cervix uteri-----	18.1	19.7	19.2	17.4	15.1	12.0	19.6	16.9
Corpus uteri-----	16.0	15.7	13.5	15.3	20.7	11.8	9.7	20.1
Uterus, NOS-----	1.2	-	2.5	-	-	-	-	2.5
Ovary-----	10.7	12.8	9.7	9.6	11.7	6.6	6.8	11.1
Vagina-----	1.6	1.6	1.5	-	-	-	-	1.6
Vulva-----	2.0	3.1	1.6	-	-	-	-	1.8
Other female genital-----	0.3	-	-	-	-	-	-	-
Urinary System-----	16.9	19.4	16.5	14.5	17.6	11.1	17.9	19.2
Urinary bladder (includes in situ)	6.6	7.7	6.4	5.1	5.1	-	8.5	6.3
Kidney & renal pelvis-----	9.8	11.4	9.4	9.4	12.2	6.9	9.4	6.3
Ureter-----	0.2	-	-	-	-	-	-	-
Other urinary-----	0.3	-	-	-	-	-	-	-
Eye & Orbit-----	0.2	-	-	-	-	-	-	-
Brain & Other Nervous System (NS)-----	4.0	4.2	4.5	3.0	4.3	-	3.2	2.8
Brain-----	3.4	3.8	3.6	3.0	3.5	-	3.2	2.1
Craniial nerves & other NS-----	0.6	-	-	-	-	-	-	4.8
Endocrine System-----	6.5	6.0	6.1	4.7	6.3	11.7	3.6	7.9
Thyroid-----	5.7	5.0	4.9	4.3	5.7	10.7	3.3	6.5
Other endocrine & thymus-----	0.9	1.0	1.2	-	-	-	1.3	8.9
Lymphomas-----	11.8	13.1	10.5	10.4	10.4	14.4	12.9	13.5
Hodgkin's disease-----	1.7	1.4	1.2	-	2.4	-	-	2.5
Non-Hodgkin's lymphoma-----	10.1	11.7	9.3	9.0	8.0	12.5	10.6	11.0
Multiple Myeloma-----	8.6	10.3	7.4	9.8	8.6	7.7	7.2	6.0
Leukemias-----	6.7	8.6	5.7	5.7	6.0	4.3	9.5	6.4
Lymphocytic-----	2.0	1.8	1.6	2.6	1.9	-	4.2	2.6
Acute lymphocytic-----	0.6	0.6	-	-	-	-	-	-
Chronic lymphocytic-----	1.5	1.1	1.2	-	-	-	-	2.1
Other lymphocytic-----	-	-	-	-	-	-	-	-
Myeloid-----	3.6	4.8	3.5	3.1	3.1	-	4.1	2.3
Acute myeloid-----	2.5	3.5	2.8	2.7	2.0	-	3.4	1.3
Chronic myeloid-----	0.9	1.2	-	-	-	-	-	2.5
Other myeloid-----	-	-	-	-	-	-	-	-
Monocytic-----	-	-	-	-	-	-	-	-
Acute monocytic-----	-	-	-	-	-	-	-	-
Chronic monocytic-----	-	-	-	-	-	-	-	-
Other monocytic-----	-	-	-	-	-	-	-	-
Other-----	1.0	1.9	-	-	-	-	-	1.3
Other acute-----	0.5	0.8	-	-	-	-	-	-
Other chronic-----	-	-	-	-	-	-	-	-
Aleukemic, subleukemic & NOS-----	0.5	1.1	-	-	-	-	-	-
Ill-defined & Unknown Sites-----	14.7	16.7	14.6	12.9	17.2	14.6	11.5	14.0
IN SITU CANCERS (NOT INCLUDED ABOVE)	14.7	17.9	15.3	12.5	13.8	7.6	13.6	14.6
Breast in situ-----	-	-	-	-	-	-	-	13.2

- Statistics are not generated for cells with counts of five or less.

Cancer in Louisiana: 1995-1999

TABLE D1 THE TEN MOST COMMON CANCER SITES: AVERAGE ANNUAL AGE-ADJUSTED (2000 U.S. STANDARD) CANCER INCIDENCE RATES
PER 100,000 POPULATION, LOUISIANA AND EIGHT STATE GEOGRAPHIC REGIONS, WHITE MALES, 1995-1999

PRIMARY SITE:	LOUISIANA REGION	NEW ORLEANS REGION	BATON ROUGE REGION	SOUTHEAST REGION	ACADIANA REGION	SOUTHWEST REGION	CENTRAL REGION	NORTHWEST REGION	NORTHEAST REGION
INVASIVE CANCERS									
All Sites Combined-----	585.8	571.4	607.6 *	569.9	606.8 *	580.0	550.2 *	591.4	608.1
Prostate -----	157.6	143.6 *	182.6 *	150.4	158.3	165.1	128.8 *	175.9 *	149.0
Lung & bronchus-----	113.5	105.9 *	110.4	111.8	117.4	110.3	119.6	109.0	138.9 *
Colon -----	49.9	51.1	52.4	51.4	51.2	43.1 *	49.7	49.0	46.7
Urinary bladder (includes in situ)	38.0	41.3	41.5	38.3	35.5	41.0	34.4	34.5	33.9
Non-Hodgkin's lymphoma-----	22.9	25.8	20.2	23.0	22.9	23.8	19.8	22.7	23.4
Rectum & rectosigmoid-----	21.8	18.9 *	22.4	21.9	24.7	21.3	22.8	24.4	19.2
Oral cavity & pharynx-----	19.2	20.0	19.4	17.0	20.7	15.2 *	17.8	17.9	25.2 *
Kidney & renal pelvis-----	18.6	16.6	19.5	20.2	22.3 *	15.8	18.9	18.9	15.4
Melanoma of the skin-----	14.3	11.8 *	12.7	11.0 *	13.9	20.1 *	10.0 *	17.3	23.7 *
Pancreas-----	14.3	12.3	14.4	12.7	18.0 *	14.4	17.3	12.7	16.0

* The age-adjusted rate is significantly different ($P<0.05$) from the Louisiana rate.

TABLE D2 THE TEN MOST COMMON CANCER SITES: AVERAGE ANNUAL AGE-ADJUSTED (2000 U.S. STANDARD) CANCER INCIDENCE RATES
PER 100,000 POPULATION, LOUISIANA AND EIGHT STATE GEOGRAPHIC REGIONS, WHITE FEMALES, 1995-1999

PRIMARY SITE:	LOUISIANA REGION	NEW ORLEANS REGION	BATON ROUGE REGION	SOUTHEAST REGION	ACADIANA REGION	SOUTHWEST REGION	CENTRAL REGION	NORTHWEST REGION	NORTHEAST REGION
INVASIVE CANCERS									
All Sites Combined-----	399.8	402.4	405.5	398.8	406.9	397.9	378.7 *	395.7	404.4
Breast-----	124.2	127.5	133.6 *	126.0	122.5	112.7 *	112.1 *	121.3	123.2
Lung & bronchus-----	57.0	59.8	56.5	55.1	60.5	56.2	56.2	54.7	53.3
Colon -----	35.3	36.3	36.4	35.7	32.1	37.2	31.1	36.3	35.5
Non-Hodgkin's lymphoma-----	16.7	15.4	17.4	19.6	17.3	16.6	17.5	14.1 *	18.0
Corpus uteri-----	17.0	17.4	16.8	17.2	16.7	17.5	14.2	17.2	18.9
Ovary-----	13.2	13.4	14.4	12.7	11.6	11.2	11.9	15.6	13.8
Rectum & rectosigmoid-----	11.5	10.1	11.3	12.9	11.6	12.9	13.7	12.7	8.6 *
Kidney & renal pelvis-----	10.2	10.5	9.9	11.5	10.8	11.5	10.0	8.7	8.5
Pancreas-----	9.7	8.8	8.9	10.5	12.5 *	10.9	9.2	8.4	9.1
Urinary bladder (includes in situ)	9.3	9.8	8.5	11.4	8.7	10.1	7.8	9.0	8.8

* The age-adjusted rate is significantly different ($P<0.05$) from the Louisiana rate.

Cancer in Louisiana: 1995-1999

TABLE D3 THE TEN MOST COMMON CANCER SITES: AVERAGE ANNUAL AGE-ADJUSTED (2000 U.S. STANDARD) CANCER INCIDENCE RATES
PER 100,000 POPULATION, LOUISIANA AND EIGHT STATE GEOGRAPHIC REGIONS, BLACK MALES, 1995-1999

PRIMARY SITE:	LOUISIANA REGION	NEW ORLEANS REGION	BATON ROUGE REGION	SOUTHEAST REGION	ACADIANA REGION	SOUTHWEST REGION	CENTRAL REGION	NORTHWEST REGION	NORTHEAST REGION
INVASIVE CANCERS									
All Sites Combined-----	681.8	747.8 *	696.6	618.5 *	678.3	597.1 *	572.7 *	667.6	683.0
Prostate -----	228.1	223.2	258.4 *	201.6 *	191.0 *	201.3	177.3 *	250.9 *	250.9
Lung & bronchus-----	147.0	164.3 *	143.8	141.3	170.8 *	125.3	121.7 *	134.2	141.2
Colon -----	55.0	67.6 *	56.9	46.5	58.2	55.8	48.8	50.3	40.6 *
Oral cavity & pharynx-----	20.6	23.6	18.6	23.4	18.9	14.5	16.1	23.3	18.8
Stomach-----	22.0	24.4	20.0	20.6	22.8	16.1	15.5	23.0	25.6
Kidney & renal pelvis-----	18.2	18.9	20.7	23.8	15.2	13.7	16.3	16.8	15.8
Urinary bladder (includes in situ)	19.9	28.4 *	16.5	21.6	17.5	22.1	19.4	16.3	14.9
Rectum & rectosigmoid-----	17.6	19.0	18.2	16.7	17.5	8.4 *	11.6	20.4	17.7
Pancreas-----	18.5	21.3	16.4	13.9	23.4	21.8	22.7	11.4 *	19.2
Larynx-----	16.1	21.1 *	13.2	14.7	19.1	10.2	10.0 *	16.5	12.4

* The age-adjusted rate is significantly different ($P<0.05$) from the Louisiana rate.

TABLE D4 THE TEN MOST COMMON CANCER SITES: AVERAGE ANNUAL AGE-ADJUSTED (2000 U.S. STANDARD) CANCER INCIDENCE RATES PER 100,000 POPULATION, LOUISIANA AND EIGHT STATE GEOGRAPHIC REGIONS, BLACK FEMALES, 1995-1999

PRIMARY SITE:	LOUISIANA REGION	NEW ORLEANS REGION	BATON ROUGE REGION	SOUTHEAST REGION	ACADIANA REGION	SOUTHWEST REGION	CENTRAL REGION	NORTHWEST REGION	NORTHEAST REGION
INVASIVE CANCERS									
All sites Combined-----	386.1	445.2 *	377.8	346.7 *	400.6	375.9	325.8 *	343.1 *	376.3
Breast-----	111.6	131.7 *	112.8	102.6	115.5	102.0	78.3 *	99.8 *	100.0
Lung & bronchus-----	48.5	58.8 *	44.1	43.4	58.6 *	53.7	43.6	32.8 *	49.0
Colon -----	40.8	48.1 *	43.3	37.0	35.4	42.1	31.5 *	34.8	42.2
Cervix uteri-----	18.1	19.7	19.2	17.4	15.1	12.0	19.6	16.9	19.4
Corpus uteri-----	16.0	15.7	13.5	15.3	20.7	11.8	9.7 *	20.1	16.7
Pancreas-----	14.7	15.3	14.3	13.8	16.0	17.3	11.8	13.4	16.4
Rectum & rectosigmoid-----	11.5	11.3	10.4	11.8	7.7 *	17.5	11.5	13.2	12.4
Ovary-----	10.7	12.8	9.7	9.6	11.7	6.6	6.8	11.1	10.2
Non-Hodgkin's lymphoma-----	10.1	11.7	9.3	9.0	8.0	12.5	10.6	11.0	8.4
Stomach-----	10.5	12.0	10.7	11.0	13.6	10.4	12.5	8.5	6.9 *

* The age-adjusted rate is significantly different ($P<0.05$) from the Louisiana rate.

Cancer in Louisiana: 1995-1999

TABLE E AVERAGE ANNUAL AGE-ADJUSTED (2000 U.S. STANDARD) CANCER INCIDENCE RATES¹, BY PRIMARY SITE, RACE AND SEX,
LOUISIANA AND THE U.S.², 1995-1999

PRIMARY SITE:	WHITE MALES		WHITE FEMALES		BLACK MALES		BLACK FEMALES	
	LOUISIANA	U.S. ²	LOUISIANA	U.S. ²	LOUISIANA	U.S. ²	LOUISIANA	U.S. ²
INVASIVE CANCERS								
All Sites Combined-----	585.8*	546.1	399.8*	427.0	681.8	674.5	386.2*	405.3
Oral Cavity & Pharynx-----	19.2*	16.1	7.0	6.6	20.7	20.8	6.1	6.7
Esophagus-----	7.4	7.3	2.1	2.0	14.7*	11.7	3.7	4.2
Stomach-----	10.3*	11.3	4.3*	5.1	22.0*	18.7	10.5	10.2
Colon & rectum-----	71.7*	63.1	46.8	45.7	72.6	69.3	52.3	55.6
Colon-----	49.9*	44.2	35.3	34.2	55.0	51.5	40.8*	44.0
Rectum & rectosigmoid-----	21.8*	18.9	11.5	11.6	17.6	17.8	11.5	11.6
Pancreas-----	14.3*	12.1	9.7	9.4	18.5	17.2	14.7	14.7
Larynx-----	10.3*	7.0	2.5*	1.6	16.1*	12.0	2.5	2.6
Lung & bronchus-----	113.5*	79.8	57.0*	51.4	147.0*	120.6	48.5*	53.1
Breast-----	1.7*	1.1	124.2*	139.0	2.8*	1.8	111.6*	121.5
Cervix uteri-----	-	-	9.3	9.2	-	-	18.1*	13.1
Corpus uteri-----	-	-	17.0*	25.7	-	-	16.0	17.3
Ovary-----	-	-	13.2*	17.9	-	-	10.8	11.9
Prostate -----	157.6	158.7	-	-	228.1*	257.3	-	-
Testis-----	5.2*	6.0	-	-	1.3	1.4	-	-
Urinary bladder (includes in situ)	38.0	38.5	9.3	9.7	20.0	19.3	6.6	7.6
Kidney & renal pelvis-----	18.6*	15.2	10.2*	7.7	18.2	17.4	9.8	9.1
Brain & Nervous System-----	8.4	8.3	5.8	5.9	4.4	4.9	4.0	3.5
Hodgkin's disease-----	3.3	3.3	2.6	2.7	2.0	2.7	1.8	1.9
Non-Hodgkin's lymphoma-----	22.9*	24.5	16.7	16.0	14.6*	19.1	10.1	11.2
Multiple Myeloma-----	5.7*	6.4	3.8	4.1	12.8	12.7	8.6	10.0
Leukemias-----	13.9*	16.6	9.0	9.7	11.8	12.4	6.7	7.7

1 Rates are per 100,000 population

2 U.S. rate estimates are from the Surveillance, Epidemiology and End Results (SEER) Program.

*significant at $\alpha = 0.05$

TABLE F AVERAGE ANNUAL AGE-ADJUSTED (2000 U.S. STANDARD) CANCER INCIDENCE RATES¹, BY PRIMARY SITE, RACE AND SEX,
THE INDUSTRIAL CORRIDOR² AND THE U.S.³, 1995-1999

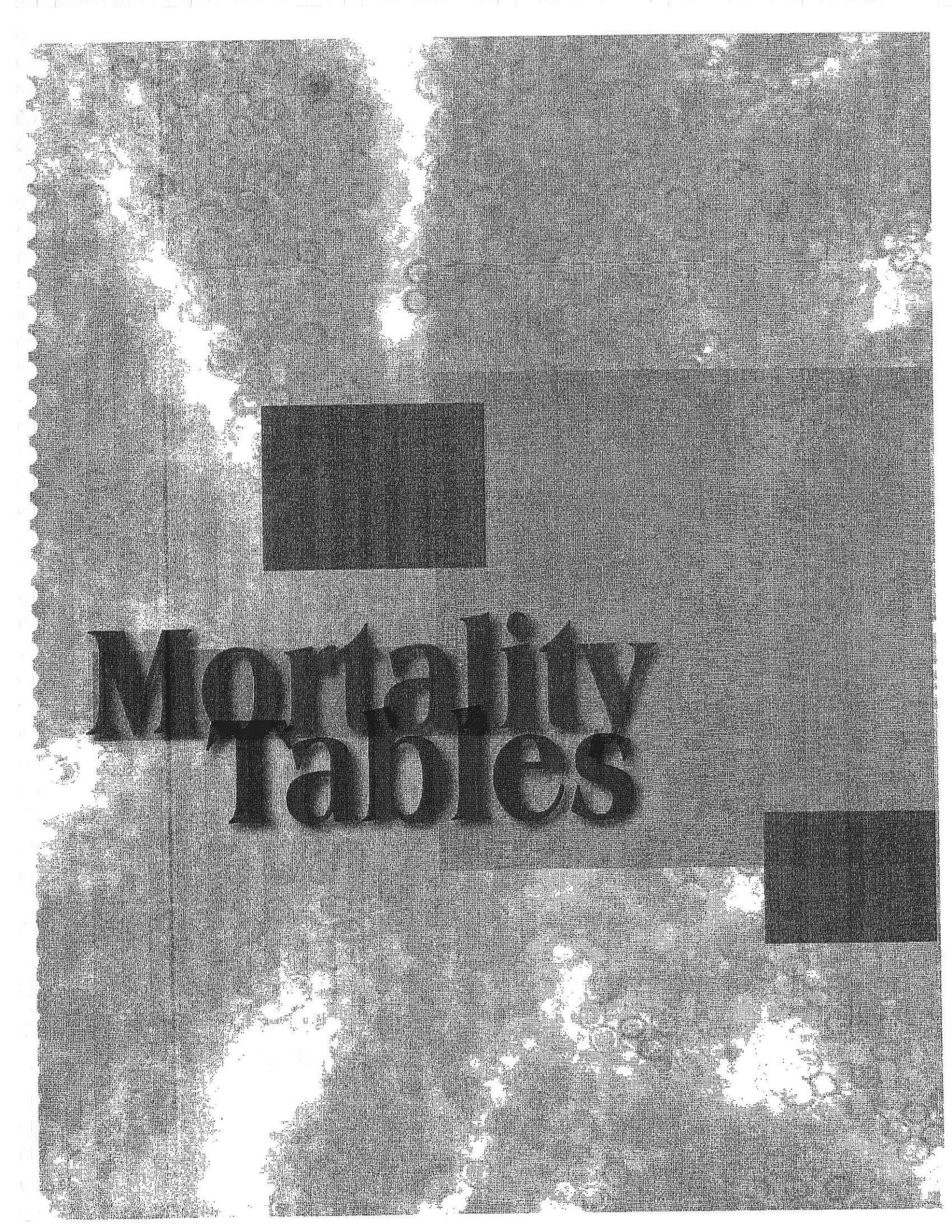
PRIMARY SITE:	WHITE MALES			WHITE FEMALES			BLACK MALES			BLACK FEMALES		
	INDUSTRIAL CORRIDOR ²	U.S. ³										
INVASIVE CANCERS												
All Sites Combined-----	614.2*	546.1	416.6	427.0	702.1	674.5	381.7*	405.3				
Oral Cavity & Pharynx-----	18.6	16.1	7.8	6.6	16.7	20.8	5.6	6.7				
Esophagus-----	7.1	7.3	3.3*	2.0	13.1	11.7	4.3	4.2				
Stomach-----	11.2	11.3	3.7*	5.1	24.3	18.7	11.4	10.2				
Colon & rectum-----	75.1*	63.1	46.8	45.7	75.7	69.3	53.9	55.6				
Colon-----	53.2*	44.2	35.8	34.2	57.9	51.5	43.9	44.0				
Rectum & rectosigmoid-----	22.0	18.9	11.1	11.6	17.8	17.8	10.0	11.6				
Pancreas-----	15.7*	12.1	8.9	9.4	17.5	17.2	14.0	14.7				
Larynx-----	10.1*	7.0	2.3	1.6	13.6	12.0	1.7	2.6				
Lung & bronchus-----	102.2*	79.8	57.7*	51.4	133.5	120.6	42.3*	53.1				
Breast-----	2.1	1.1	141.0	139.0	3.1	1.8	117.3	121.5				
Cervix uteri-----	-	-	8.3	9.2	-	-	19.6*	13.1				
Corpus uteri-----	-	-	17.6*	25.7	-	-	13.4*	17.3				
Ovary-----	-	-	15.5	17.9	-	-	9.4	11.9				
Prostate -----	192.8*	158.7	-	-	266.4	257.3	-	-				
Testis-----	5.6	6.0	-	-	0.7	1.4	-	-				
Urinary bladder (includes in situ)	43.3	38.5	9.0	9.7	21.1	19.3	6.5	7.6				
Kidney & renal pelvis-----	20.6*	15.2	10.4*	7.7	21.9	17.4	10.7	9.1				
Brain & Nervous System-----	9.2	8.3	6.2	5.9	2.8*	4.9	4.1	3.5				
Hodgkin's disease-----	2.5	3.3	2.6	2.7	3.1	2.7	1.3	1.9				
Non-Hodgkin's Lymphoma-----	21.6	24.5	18.3	16.0	10.9*	19.1	9.6	11.2				
Multiple Myeloma-----	5.4	6.4	4.0	4.1	14.5	12.7	8.5	10.0				
Leukemias-----	13.9	16.6	8.0	9.7	11.4	12.4	6.1	7.7				

1 Rates are per 100,000 population.

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

3 U.S. rate estimates are from the Surveillance, Epidemiology and End Results (SEER) Program.

*significant at $\alpha = 0.05$



Mother Ladies

Cancer in Louisiana: 1995-1999

TABLE G - AVERAGE ANNUAL AGE-ADJUSTED (2000 U.S. STANDARD) CANCER MORTALITY RATES PER 100,000 POPULATION
BY PRIMARY SITE, RACE AND SEX, LOUISIANA, 1995-1999

PRIMARY SITE:	ALL RACES			WHITES			BLACKS		
	TOTAL	MALES	FEMALES	TOTAL	MALES	FEMALES	TOTAL	MALES	FEMALES
All Sites Combined-----	237.3	314.7	187.5	221.1	289.4	177.7	291.0	406.5	217.6
Oral Cavity & Pharynx-----	4.1	6.2	2.4	3.6	5.2	2.4	5.5	9.6	2.5
Lip-----	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0
Tongue-----	0.8	1.3	0.4	0.8	1.2	0.5	0.9	1.7	0.3
Salivary Gland-----	0.2	0.3	0.2	0.2	0.3	0.2	0.1	0.1	0.2
Floor of Mouth-----	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.2	0.0
Gum & Other Mouth-----	0.6	0.8	0.5	0.6	0.7	0.5	0.7	1.0	0.4
Nasopharynx-----	0.4	0.5	0.2	0.3	0.5	0.2	0.4	0.7	0.2
Tonsil-----	0.2	0.3	0.1	0.2	0.3	0.1	0.3	0.5	0.2
Oropharynx-----	0.3	0.4	0.1	0.2	0.3	0.2	0.4	0.8	0.1
Hypopharynx-----	0.1	0.3	0.0	0.1	0.2	0.1	0.2	0.4	0.0
Other-----	1.3	2.1	0.7	1.0	1.5	0.6	2.4	4.3	1.1
Digestive System-----	56.0	73.8	43.0	50.1	66.1	38.3	74.8	100.0	57.3
Esophagus-----	4.7	8.1	2.2	3.9	6.8	1.9	7.2	12.8	3.2
Stomach-----	6.2	9.1	4.2	4.6	6.8	2.9	11.3	16.4	7.9
Small Intestine-----	0.4	0.6	0.3	0.3	0.6	0.2	0.7	0.8	0.6
Colon & Rectum-----	24.2	30.3	19.9	22.3	28.0	18.2	30.7	38.8	25.2
Colon-----	21.4	26.8	17.6	19.5	24.7	15.9	27.8	34.6	23.2
Rectum and Rectosigmoid Junction-----	2.8	3.6	2.2	2.8	3.4	2.3	2.9	4.3	2.0
Anus, Anal Canal and Anorectum-----	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.3	0.1
Liver & Intrahepatic bile duct-----	6.2	9.0	4.1	5.8	8.3	3.9	7.1	10.8	4.5
Liver-----	5.6	8.4	3.5	5.1	7.7	3.2	6.6	10.3	3.9
Intrahepatic Bile Duct-----	0.6	0.6	0.7	0.7	0.7	0.7	0.5	0.4	0.6
Gallbladder-----	0.7	0.4	0.8	0.6	0.4	0.7	0.9	0.5	1.1
Other biliary tract-----	0.5	0.6	0.4	0.5	0.7	0.4	0.4	0.3	0.4
Pancreas-----	12.6	15.1	10.5	11.6	14.2	9.5	15.9	18.6	13.8
Retropertitoneum, omentum & mesentery-----	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.1	0.0
Peritoneum, omentum & mesentery-----	0.2	0.1	0.2	0.2	0.1	0.3	0.1	0.1	0.2
Other-----	0.2	0.3	0.2	0.2	0.2	0.2	0.3	0.6	0.2
Respiratory System-----	71.7	109.5	45.2	68.4	101.1	45.7	82.9	140.9	44.1
Nose, nasal cavity & middle ear-----	0.2	0.4	0.1	0.2	0.3	0.1	0.2	0.4	0.1
Larynx-----	2.1	3.7	0.8	1.6	2.9	0.7	3.4	6.6	1.1
Lung & Bronchus-----	69.0	104.9	44.1	66.2	97.2	44.8	79.0	133.5	42.6
Pleura-----	0.2	0.3	0.1	0.2	0.4	0.1	0.1	0.2	0.0
Trachea & Other-----	0.2	0.2	0.1	0.1	0.2	0.1	0.2	0.2	0.2
Bones & Joints-----	0.6	0.8	0.4	0.5	0.6	0.4	0.9	1.3	0.5
Soft tissue (including heart)-----	1.3	1.5	1.2	1.2	1.4	1.1	1.7	1.7	1.7
Skin (excluding basal and squamous)-----	3.1	4.8	1.8	3.8	5.9	2.3	1.1	1.8	0.6
Melanoma of the skin-----	2.3	3.4	1.4	2.9	4.3	1.9	0.5	0.9	0.3
Other non-epithelial skin-----	0.8	1.4	0.4	0.9	1.6	0.4	0.5	1.0	0.3
Breast-----	17.8	0.6	30.8	16.1	0.5	28.1	22.9	0.8	38.4

Female Genital System-----	
Cervix uteri-----	
Corpus uteri-----	10.0
Uterus, NOS-----	2.3
Ovary-----	1.0
Vagina-----	1.4
Vulva-----	4.7
Other-----	0.2
Male Genital System-----	17.4
Prostate-----	4.1
Testis-----	15.2
Penis-----	0.1
Other-----	0.2
Urinary System-----	8.7
Urinary bladder-----	4.1
Kidney & renal pelvis-----	5.1
Ureter-----	0.1
Other-----	0.1
Eye & Orbit-----	15.4
Brain & Nervous System-----	14.3
Brain-----	4.1
Cranial nerves & other-----	0.1
Endocrine System-----	0.8
Thyroid-----	0.4
Thymus & other-----	0.3
Lymphoma-----	9.7
Hodgkin's disease-----	0.6
Non-Hodgkin's lymphoma-----	9.1
Myeloma-----	4.8
Leukemia-----	8.1
Lymphocytic-----	2.2
Acute lymphocytic -----	0.4
Chronic lymphocytic -----	1.6
Other-----	0.2
Myeloid-----	3.6
Acute myeloid-----	2.6
Chronic myeloid-----	0.9
Other-----	0.1
Monocytic-----	0.1
Acute-----	0.1
Chronic -----	0.0
Other-----	0.0
Other Leukemia-----	2.2
Other Acute-----	0.8
Other Chronic-----	0.1
Aleukemic, Subleukemic and NOS-----	1.4
Miscellaneous Malignant Cancers-----	19.9

Cancer in Louisiana: 1995-1999

TABLE H - AVERAGE ANNUAL AGE-ADJUSTED (2000 U.S. STANDARD) CANCER MORTALITY RATES PER 100,000 POPULATION
BY PRIMARY SITE, RACE AND SEX, LOUISIANA AND THE U.S. (1), 1995-1999

PRIMARY SITE:	WHITE MALES		WHITE FEMALES		BLACK MALES		BLACK FEMALES	
	LOUISIANA	U.S. (1)	LOUISIANA	U.S. (1)	LOUISIANA	U.S. (1)	LOUISIANA	U.S. (1)
All Sites Combined-----	289.4	253.0	177.7	169.8	406.5	359.2	217.6	203.5
Oral Cavity & Pharynx-----	5.2	4.2	2.4	1.7	9.6	8.3	2.5	2.2
Esophagus-----	6.8	7.2	1.9	1.7	12.8	12.9	3.2	3.5
Stomach-----	6.8	6.3	2.9	3.0	16.4	14.2	7.9	6.8
Colon & Rectum-----	28.0	25.8	18.2	18.0	38.8	34.4	25.2	25.4
Pancreas-----	14.2	12.0	9.5	9.0	18.6	16.2	13.8	13.0
Larynx-----	2.9	2.4	0.7	0.5	6.6	5.8	1.1	0.9
Lung & Bronchus-----	97.2	79.7	44.8	41.7	133.5	109.1	42.6	40.2
Breast-----	0.5	0.3	28.1	28.2	0.8	0.7	38.4	37.1
Cervix uteri-----	-	-	2.9	2.8	-	-	7.4	6.2
Corpus uteri-----	-	-	1.5	3.9	-	-	2.8	6.9
Ovary-----	-	-	8.3	9.3	-	-	8.3	7.6
Prostate-----	32.7	31.2	-	-	73.7	72.8	-	-
Testis-----	0.2	0.3	-	-	0.2	0.1	-	-
Urinary bladder-----	7.5	8.0	2.1	2.3	5.5	5.7	3.0	3.1
Kidney & renal pelvis-----	7.3	6.2	3.5	2.9	6.6	6.2	3.7	2.9
Brain & Nervous System-----	6.1	6.1	4.5	4.2	3.9	3.3	2.6	2.4
Hodgkin's disease-----	0.8	0.7	0.5	0.4	0.5	0.7	0.3	0.4
Non-Hodgkin's lymphoma-----	12.4	11.2	8.5	7.5	7.4	7.8	4.9	4.7
Myeloma-----	4.5	4.5	3.2	3.0	10.1	9.2	7.1	6.8
Leukemia-----	11.4	10.6	6.4	6.1	10.2	9.3	5.9	5.6

Appendices

Appendix 1

Cancer in Louisiana Publications

Volume

1. Correa P, Chen VW, Craig JF, Ballinger T, Campbell W, Zavala DE. *Cancer in Louisiana*, [vol. 1], Baton Rouge: Division of Administration, 1983.
2. Correa P, Chen VW, Craig, JF, Zavala DE. *Cancer in Louisiana*, vol. 2. Baton Rouge: Louisiana Division of Administration, 1985.
3. Correa P, Chen VW, Craig JF, Groves FD. *Cancer in Louisiana*, vol. 3. Baton Rouge: Louisiana Division of Administration, [1986].
4. Chen VW, Craig JF, Correa P, Groves FD, Ballinger TE, Zavala DE. *Cancer in Louisiana*, vol. 4. Baton Rouge: LSU Graphic Services, 1987.
5. Groves FD, Craig JF, Correa P, Chen VW, Fontham ETH, Zavala DE. *Cancer in Louisiana*, vol. 5. Baton Rouge: LSU Graphic Services, 1989.
6. Chen VW, Craig JF, Fontham E, Lin Y, Correa P. *Cancer Incidence in South Louisiana, 1983-1986*. Baton Rouge: LSU Graphic Services, 1990. (*Cancer in Louisiana*; vol. 6.)
7. Chen VW, Fontham E, Groves FD, Craig JF, Correa P. *Cancer Incidence in South Louisiana, 1983-1986*. New Orleans: Epidemiology Section, Louisiana State University Medical Center, and Louisiana Tumor Registry, 1991. (*Cancer in Louisiana*; vol. 7.)
8. Chen VW, Correa CN, Wu XC, et al. *Cancer Incidence in Louisiana, 1988-1992*. New Orleans: Louisiana Tumor Registry, 1996. (*Cancer in Louisiana*, vol. 8; nos. 1-9.)
9. Wu XC, Correa CN, Andrews PA, Li F, Joy JA, Chen VW. *Cancer Incidence and Mortality in Louisiana, 1989-1993*. New Orleans: Louisiana Tumor Registry, 1998. (*Cancer in Louisiana*; vol. 9.)
10. Andrews PA, Correa CN, Wu XC, Li F, Schmidt BA, Chen VW. *Cancer Incidence and Mortality in Louisiana, 1990-1994*. New Orleans: Louisiana Tumor Registry, 1998. (*Cancer in Louisiana*; vol. 10.)
11. Andrews PA, Correa CN, Wu XC, Schmidt BA, Ahmed MN, and Chen VW. *Cancer Incidence and Mortality in Louisiana, 1991-1995*. New Orleans: Louisiana Tumor Registry, 2000. (*Cancer in Louisiana*; vol. 11.)
12. Correa CN, Andrews PA, Wu XC, Ahmed MN, Schmidt BA, and Chen VW. *Cancer Incidence and Mortality in Louisiana, 1992-1996*. New Orleans: Louisiana Tumor Registry, 2000. (*Cancer in Louisiana*; vol. 12.)
13. Wu XC, Correa CN, Andrews PA, Hsieh MC, Schmidt BA, Ahmed MN, and Chen VW. *Cancer Incidence and Mortality in Louisiana, 1993-1997*. New Orleans: Louisiana Tumor Registry, 2001. (*Cancer in Louisiana*; vol. 13.)
14. Chen VW, Schmidt BA, Wu XC, Correa CN, Andrews PA, Hsieh MC, and Ahmed MN. *Childhood Cancer in Louisiana, 1988-1996*. New Orleans: Louisiana Tumor Registry, 2001. (*Cancer in Louisiana*; vol. 14.)
15. Andrews PA, Correa CN, Wu XC, Hsieh MC, Schmidt BA, Chen VW. *Cancer Incidence in Louisiana, 1994-1998*, New Orleans: Louisiana Tumor Registry, 2002. (*Cancer in Louisiana*; vol. 15.)

Appendix 2

Regions of the Louisiana Tumor Registry

Historic Health Districts	Year* Data Collection Began	Average Annual Population, 1995-1999	Parishes
South Louisiana			
New Orleans (Region I)	1974	987,666	Jefferson, Orleans, St. Bernard
Baton Rouge (Region II)	1983	786,886	Ascension, Assumption, Iberville East Baton Rouge, East Feliciana, Livingston, Pointe Coupee, St. Helena, Tangipahoa, West Baton Rouge, West Feliciana
Southeast Louisiana (Region III)	1983	554,527	Lafourche, Plaquemines, St. Charles, St. James, St. John, St. Tammany, Terrebonne, Washington
Acadiana (Region IV)	1983	586,335	Acadia, Evangeline, Iberia, Lafayette, St. Landry, St. Martin, St. Mary, Vermilion
Southwest Louisiana (Region V)	1983	275,033	Allen, Beauregard, Calcasieu, Cameron, Jefferson Davis
North Louisiana			
Central Louisiana (Region VI)	1988	301,995	Avoyelles, Catahoula, Concordia, Grant, LaSalle, Rapides, Vernon, Winn
Northwest Louisiana (Region VII)	1988	506,895	Bienville, Bossier, Caddo, Claiborne, DeSoto, Natchitoches, Red River, Sabine, Webster
Northeast Louisiana (Region VIII)	1988	351,455	Caldwell, East Carroll, Franklin, Jackson, Lincoln, Madison, Morehouse, Ouachita, Richland, Tensas, Union, West Carroll
Louisiana Statewide Coverage	1988	4,350,792	

Source: U.S. Bureau of Census (1999)

*refers to the diagnosis year of case-finding

Appendix 3

SEER Primary Site Recode Based on ICD-O-2

Primary Site	Site (C) and Morphology (M) Codes	Excluded Morphology (M) Codes
Oral cavity and pharynx		
Lip	C000-C009	9590-9989
Tongue	C019-C029	9590-9989
Salivary glands	C079-C089	9590-9989
Floor of mouth	C040-C049	9590-9989
Gum and other mouth	C030-C039, C050-C059, C060-C069	9590-9989
Nasopharynx	C110-C119	9590-9989
Tonsil	C090-C099	9590-9989
Oropharynx	C100-C109	9590-9989
Hypopharynx	C129, C130-C139, C141	9590-9989
Other oral cavity and pharynx	C140, C142-C148	9590-9989
Digestive system		
Esophagus	C150-C159	9590-9989
Stomach	C160-C169	9590-9989
Small intestine	C170-C179	9590-9989
Colon		
Cecum	C180	9590-9989
Appendix	C181	9590-9989
Ascending colon	C182	9590-9989
Hepatic flexure	C183	9590-9989
Transverse colon	C184	9590-9989
Splenic flexure	C185	9590-9989
Descending colon	C186	9590-9989
Sigmoid colon	C187	9590-9989
Large intestine, NOS	C188-C198, C260	9590-9989
Rectum		
Rectosigmoid junction	C199	9590-9989
Rectum	C209	9590-9989
Anus, anal canal, and anorectum	C210-C212, C218	9590-9989
Liver and intrahepatic bile duct		
Liver	C220	9590-9989
Intrahepatic bile ducts	C221	9590-9989
Gallbladder	C239	9590-9989
Other biliary	C240-C249	9590-9989
Pancreas	C250-C259	9590-9989
Retroperitoneum	C480	9590-9989
Peritoneum, omentum, and mesentery	C481-C482	9590-9989
Other digestive organs	C268-C269, C488	9590-9989
Respiratory system		
Nasal cavity, middle ear, and accessory sinuses	C300-C301, C310-C319	9590-9989
Larynx	C320-C329	9590-9989
Lung and bronchus	C340-C349	9590-9989
Pleura	C384	9590-9989
Trachea, Mediastinum, and other respiratory organs	C339, C381-C383, C388, C390, C398, C399	9590-9989

Appendix 3 - continued
SEER Primary Site Recode Based on ICD-O-2

Primary Site	Site (C) and Morphology (M) Codes	Excluded Morphology (M) Codes
Bones and joints	C400-C419	9590-9989
Soft tissue (including heart)	C380, C470-C479, C490-C499	9590-9989
Skin (excluding basal cell and squamous cell)		
Melanomas - skin	C440-C449 (M8720-M8790)	
Other, non-epithelial	C440-C449	8000-8004, 8010-8012, 8070-8076, 8090-8096, 8720-8790, 9590-9989
Breast	C500-C509	9590-9989
Female genital system		
Cervix	C530-C539	9590-9989
Corpus	C540-C549	9590-9989
Uterus, NOS	C559	9590-9989
Ovary	C569	9590-9989
Vagina	C529	9590-9989
Vulva	C510-C519	9590-9989
Other female genital organs	C570-C589	9590-9989
Male genital system		
Prostate	C619	9590-9989
Testis	C620-C629	9590-9989
Penis	C600-C609	9590-9989
Other male genital organs	C630-C639	9590-9989
Urinary system		
Bladder (including in situ)	C670-C679	9590-9989
Kidney and renal pelvis	C649, C659	9590-9989
Ureter	C669	9590-9989
Other urinary organs	C680-C689	9590-9989
Eye and Orbit	C690-C699	9590-9989
Brain and other nervous system		
Brain	C710-C719	9530-9539, 9590-9989
Other nervous system	C710-C719 (M9530-M9539), C700-C709, C720-C729	9590-9989
Endocrine system		
Thyroid	C739	9590-9989
Other endocrine (including thymus)	C379, C740-C749, C750-C759	9590-9989

Appendix 3 - continued
SEER Primary Site Recode Based on ICD-O-2

Primary Site	Site (C) and Morphology (M) Codes	Excluded Morphology (M) Codes
Lymphomas		
Hodgkin's disease	All sites (M9650-M9667)	
Non-Hodgkin's lymphoma	All sites (M9590-M9595, M9670-M9717)	
Multiple myeloma	M9731-M9732	
Leukemias		
Lymphocytic		
Acute lymphocytic	M9821, M9828	
Chronic lymphocytic	M9823	
Other lymphocytic	M9820, M9822, M9824, M9825, M9826	
Granulocytic (myeloid)		
Acute granulocytic	M9861, M9867, M9871-M9874	
Chronic granulocytic	M9863, M9868	
Other granulocytic	M9860, M9862, M9864, M9866	
Monocytic		
Acute monocytic	M9891	
Chronic monocytic	M9893	
Other monocytic	M9890, M9892, M9894	
Other		
Acute other	M9801, M9841	
Chronic other	M9803, M9842	
Aleukemic, subleukemic, and NOS	M9800, M9802, M9804, M9827, M9830, M9840, M9850, M9870, M9880, M9900, M9910, M9930-M9941	
Ill-defined and unspecified sites	M9720-M9723, M9740, M9741, M9760-M9764, M9950-M9989, C760-C768, C809 (M8000-M9589), C420-C424 (M8000-M9589), C770-C779 (M8000-M9589)	

Appendix 4

2000 U.S. Standard Population

All Ages.....	1,000,000
0-4	69,135
5-9	72,533
10-14	73,032
15-19	72,169
20-24	66,478
25-29	64,529
30-34	71,044
35-39	80,762
40-44	81,851
45-49	72,118
50-54	62,716
55-59	48,454
60-64	38,793
65-69	34,264
70-74	31,773
75-79	26,999
80-84	17,842
85+	15,508

Appendix 5

SEER Site Recode for ICD-9 Mortality Data 1995-1998 Data

<u>Underlying Cause of Death</u>	<u>ICD-9 Codes</u>
Oral cavity and pharynx	
Lip	140.0-140.9
Tongue	141.0-141.9
Salivary glands	142.0-142.9
Floor of mouth	144.0-144.9
Gum and other mouth	143.0-143.9, 145.0-145.6, 145.8-145.9
Nasopharynx	147.0-147.9
Tonsil	146.0-146.2
Oropharynx	146.3-146.9
Hypopharynx	148.0-148.9
Other oral cavity and pharynx	149.0-149.9
Digestive system	
Esophagus	150.0-150.9
Stomach	151.0-151.9
Small intestine	152.0-152.9
Colon	153.0-153.9, 159.0
Rectum	154.0-154.1
Anus, anal canal, and anorectum	154.2-154.3, 154.8
Liver and intrahepatic bile duct	
Liver	155.0, 155.2
Intrahepatic bile ducts	155.1
Gallbladder	156.0
Other biliary	156.1-156.9
Pancreas	157.0-157.9
Retroperitoneum	158.0
Peritoneum, omentum, and mesentery	158.8-158.9
Other digestive organs	159.8-159.9
Respiratory system	
Nasal cavity, middle ear, and accessory sinuses	160.0-160.9
Larynx	161.0-161.9
Lung and bronchus	162.2-162.9
Pleura	163.0-163.9
Trachea, mediastinum, and other respiratory organs	162.0, 164.2-165.9
Bones and joints	170.0-170.9
Soft tissue (including heart)	171.0-171.9, 164.1
Skin (excluding basal and squamous)	
Melanoma of the skin	172.0-172.9
Other, non-epithelial skin	173.0-173.9

Appendix 5 - continued

SEER Site Recode for ICD-9 Mortality Data 1995-1998 Data

<u>Underlying Cause of Death</u>	<u>ICD-9 Codes</u>
Breast	174.0-174.9, 175._
Female genital system	
Cervix	180.0-180.9
Corpus	182.0-182.1, 182.8
Uterus, NOS	179._
Ovary	183.0
Vagina	184.0
Vulva	184.1-184.4
Other female genital organs	181._, 183.2-183.9, 184.8, 184.9
Male genital organs	
Prostate	185._
Testis	186.0-186.9
Penis	187.1-187.4
Other male genital organs	187.5-187.9
Urinary system	
Urinary bladder	188.0-188.9
Kidney and renal pelvis	189.0-189.1
Ureter	189.2
Other urinary organs	189.3-189.4, 189.8-189.9
Eye and orbit	190.0-190.9
Brain and other nervous system	
Brain	191.0-191.9
Other nervous system	192.0-192.3, 192.8-192.9
Endocrine system	
Thyroid	193._
Other endocrine (including thymus)	164.0, 194.0-194.9
Lymphomas	
Hodgkin's disease	201.0-201.9
Non-Hodgkin's lymphoma	200.0-200.8, 202.0-202.2, 202.8-202.9
Multiple myeloma	203.0, 203.2-203.8

Appendix 5 - continued

SEER Site Recode for ICD-9 Mortality Data 1995-1998 Data

<u>Underlying Cause of Death</u>	<u>ICD-9 Codes</u>
Leukemias	
Lymphocytic	
Acute lymphocytic	204.0
Chronic lymphocytic	204.1
Other lymphocytic	204.2-204.9
Granulocytic (myeloid)	
Acute myeloid	205.0
Chronic myeloid	205.1
Other myeloid	205.2-205.9
Monocytic	
Acute monocytic	206.0
Chronic monocytic	206.1
Other monocytic	206.2-206.9
Other	
Other acute	207.0, 208.0
Other chronic	207.1, 208.1
Aleukemic, subleukemic, and NOS	202.4, 203.1, 207.2, 207.8, 208.2-208.9
Ill-defined and unspecified sites	159.1, 195.0-195.8, 196.0-196.9, 199.0-199.1, 202.3, 202.5-202.6

Appendix 6

SEER Site Recode for ICD-10 Mortality Data 1999+

<u>Site Description</u>	<u>Site Codes</u>
Oral cavity and pharynx	
Lip	C00
Tongue	C01-C02
Salivary glands	C07-C08
Floor of mouth	C04
Gum and other mouth	C03, C05-C06, C46.2#
Nasopharynx	C11
Tonsil	C09
Oropharynx	C10
Hypopharynx	C12-C13
Other oral cavity and pharynx	C14
Digestive system	
Esophagus	C15
Stomach	C16
Small intestine	C17
Colon	C18,C26.0
Rectum	C19-C20
Anus, anal canal, and anorectum	C21
Liver and intrahepatic bile duct	
Liver	C22.0, C22.2-C22.4, C22.7, C22.9
Intrahepatic bile ducts	C22.1
Gallbladder	C23
Other biliary	C24
Pancreas	C25
Retroperitoneum	C48.0
Peritoneum, omentum, and mesentery	C45.1, C48.1-C48.2
Other digestive organs	C26.8-C26.9, C48.8
Respiratory system	
Nose, nasal cavity, middle ear	C30-C31
Larynx	C32
Lung and bronchus	C34
Pleura	C38.4, C45.0
Trachea, mediastinum, and other respiratory organs	C33, C38.1-C38.3, C38.8, C39, C45.7, C45.9
Bones and joints	C40-C41
Soft tissue (including heart)	C47, C49, C38.0, C45.2, C46.1
Skin (excluding basal and squamous)	
Melanomas-skin	C43
Other, non-epithelial skin	C44, C46.0

Appendix 6 - continued

SEER Site Recode for ICD-10 Mortality Data 1999+

Site Description	Site Codes
Breast	C50
Female genital system	
Cervix	C53
Corpus	C54
Uterus, NOS	C55
Ovary	C56
Vagina	C52
Vulva	C51
Other female genital organs	C57-C58
Male genital organs	
Prostate	C61
Testis	C62
Penis	C60
Other male genital organs	C63
Urinary system	
Urinary bladder	C67
Kidney and renal pelvis	C64-C65
Ureter	C66
Other urinary organs	C68
Eye and orbit	C69
Brain and other nervous system	
Brain	C71
Cranial nerves and other nervous system	C70, C72
Endocrine system	
Thyroid	C73
Other endocrine (including thymus)	C37, C74-C75
Lymphomas	
Hodgkin's disease	C81
Non-Hodgkin's lymphoma	C82-C85
Multiple myeloma	C90.0, C90.2

Appendix 6 - continued**SEER Site Recode for ICD-10 Mortality Data
1999+**

Site Description	Site Codes
Leukemias	
Lymphocytic	
Acute lymphocytic	C91.0
Chronic lymphocytic	C91.1
Other lymphocytic	C91.2-C91.3, C91.7, C91.9
Myeloid	
Acute myeloid	C92.0, C92.5
Chronic myeloid	C92.1
Other myeloid	C92.2, C92.4, C92.7, C92.9
Monocytic	
Acute monocytic	C93.0
Chronic monocytic	C93.1
Other monocytic	C93.2, C93.7, C93.9
Other	
Other acute	C94.0, C95.0
Other chronic	C94.1, C95.1
Aleukemic, subleukemic, and NOS	C90.1, C91.4-C91.5, C92.3, C94.2-C94.5, C94.7, C95.2, C95.7, C95.9
Ill-defined and unspecified sites	C26.1, C46.3, C46.7-C46.9, C76-C80, C88, C96-C97

Appendix 7

Estimated 5-Year Population by Race, Sex, and Age, Louisiana, 1995-1999

AGE	ALL RACES			WHITES			BLACKS		
	TOTAL	MALES	FEMALES	TOTAL	MALES	FEMALES	TOTAL	MALES	FEMALES
< 5	1,600,012	814,729	785,283	926,276	473,727	452,549	640,631	323,820	316,811
5 - 9	1,637,991	835,044	802,947	952,310	487,069	465,241	654,958	331,884	323,074
10 - 14	1,714,519	873,266	841,253	1,009,068	516,753	492,315	671,571	338,985	332,586
15 - 19	1,822,103	918,272	903,831	1,071,716	546,762	524,954	714,658	353,415	361,243
20 - 24	1,607,214	792,048	815,166	988,570	497,925	490,645	586,010	277,340	308,670
25 - 29	1,474,485	710,470	764,015	971,876	476,434	495,442	473,154	219,525	253,629
30 - 34	1,527,476	742,229	785,247	1,023,907	509,779	514,128	475,263	218,071	257,192
35 - 39	1,702,318	829,706	872,612	1,162,639	582,071	580,568	510,193	232,856	277,337
40 - 44	1,684,178	820,758	863,420	1,156,751	580,398	576,353	498,980	226,677	272,303
45 - 49	1,469,920	706,870	763,050	1,029,811	511,020	518,791	415,701	184,547	231,154
50 - 54	1,191,346	566,211	625,135	868,752	424,899	443,853	305,047	133,029	172,018
55 - 59	975,055	456,799	518,256	717,151	347,002	370,149	245,068	103,634	141,434
60 - 64	850,152	394,029	456,123	629,697	301,330	328,367	210,639	88,122	122,517
65 - 69	751,072	332,973	418,099	558,500	252,553	305,947	185,651	77,351	108,300
70 - 74	653,926	280,271	373,655	503,795	218,708	285,087	144,998	59,155	85,843
75 - 79	503,128	200,714	302,414	388,886	156,289	232,597	111,017	42,912	68,105
80 - 84	319,706	113,866	205,840	247,794	87,820	159,974	69,975	25,153	44,822
85+	269,357	76,008	193,349	198,985	54,236	144,749	68,394	20,526	47,468
ALL AGES	21,753,958	10,464,263	11,289,695	14,406,484	7,024,775	7,381,709	6,981,908	3,257,402	3,724,506

Appendix 8

Estimated 5-Year Population by Race, Sex, and Age, South Louisiana, 1995-1999

AGE	ALL RACES			WHITES			BLACKS			
	TOTAL		MALES	FEMALES	TOTAL		MALES	FEMALES	TOTAL	
	MALES	FEMALES							MALES	FEMALES
< 5	1,179,503	601,392	578,111	695,850	356,190	339,660	454,797	230,109	224,688	
5 - 9	1,208,390	616,690	591,700	716,753	367,212	349,541	464,530	235,193	229,337	
10 - 14	1,255,608	638,914	616,694	751,421	384,573	366,848	474,588	239,000	235,588	
15 - 19	1,322,932	664,603	658,329	788,211	400,544	387,667	504,580	248,913	255,667	
20 - 24	1,164,831	564,824	600,007	726,444	358,890	367,554	412,317	192,674	219,643	
25 - 29	1,101,509	527,669	573,840	733,304	356,433	376,871	343,908	158,957	184,951	
30 - 34	1,153,489	561,002	592,487	781,802	389,218	392,584	348,031	159,282	188,749	
35 - 39	1,282,597	626,831	655,766	884,507	443,256	441,251	373,331	170,600	202,731	
40 - 44	1,266,920	619,208	647,712	874,340	439,452	434,888	369,099	167,873	201,226	
45 - 49	1,092,484	528,355	564,129	765,104	381,704	383,400	307,325	136,770	170,555	
50 - 54	869,987	415,796	454,191	632,868	310,842	322,026	222,930	97,974	124,956	
55 - 59	701,089	330,392	370,697	515,929	250,032	265,897	174,847	75,184	99,663	
60 - 64	612,868	286,588	326,280	457,448	220,190	237,258	147,219	62,480	84,739	
65 - 69	541,454	242,463	298,991	406,170	184,701	221,469	129,519	55,093	74,426	
70 - 74	458,148	196,803	261,345	357,142	154,928	202,214	96,710	39,793	56,917	
75 - 79	346,731	138,457	208,274	272,633	109,252	163,381	71,322	27,907	43,415	
80 - 84	216,744	76,257	140,487	171,979	60,215	111,764	43,125	15,263	27,862	
85+	176,947	49,245	127,702	136,134	36,522	99,612	39,327	12,110	27,217	
ALL AGES	15,952,231	7,685,489	8,266,742	10,668,039	5,204,154	5,463,885	4,977,505	2,325,175	2,652,330	

Appendix 9

Estimated 5-Year Population by Race, Sex and Age, North Louisiana, 1995-1999

AGE	ALL RACES			WHITES			BLACKS		
	TOTAL	MALES	FEMALES	TOTAL	MALES	FEMALES	TOTAL	MALES	FEMALES
				ALL RACES	MALES	FEMALES	WHITES	MALES	FEMALES
< 5	420,509	213,337	207,172	230,426	117,537	112,889	185,834	93,711	92,123
5 - 9	429,601	218,354	211,247	235,557	119,857	115,700	190,428	96,691	93,737
10 - 14	458,911	234,352	224,559	257,647	132,180	125,467	196,983	99,985	96,998
15 - 19	499,171	253,669	245,502	283,505	146,218	137,287	210,078	104,502	105,576
20 - 24	442,383	227,224	215,159	262,126	139,035	123,091	173,693	84,666	89,027
25 - 29	372,976	182,801	190,175	238,572	120,001	118,571	129,246	60,568	68,678
30 - 34	373,987	181,227	192,760	242,105	120,561	121,544	127,232	58,789	68,443
35 - 39	419,721	202,875	216,846	278,132	138,815	139,317	136,862	62,256	74,606
40 - 44	417,258	201,550	215,708	282,411	140,946	141,465	129,881	58,804	71,077
45 - 49	377,436	178,515	198,921	264,707	129,316	135,391	108,376	47,777	60,599
50 - 54	321,359	150,415	170,944	235,884	114,057	121,827	82,117	35,055	47,062
55 - 59	273,966	126,407	147,559	201,222	96,970	104,252	70,221	28,450	41,771
60 - 64	237,284	107,441	129,843	172,249	81,140	91,109	63,420	25,642	37,778
65 - 69	209,618	90,510	119,108	152,330	67,852	84,478	56,132	22,258	33,874
70 - 74	195,778	83,468	112,310	146,653	63,780	82,873	48,288	19,362	28,926
75 - 79	156,397	62,257	94,140	116,253	47,037	69,216	39,695	15,005	24,690
80 - 84	102,962	37,609	65,353	75,815	27,605	48,210	26,850	9,890	16,960
85+	92,410	26,763	65,647	62,851	17,714	45,137	29,067	8,816	20,251
ALL AGES	5,801,727	2,778,774	3,022,953	3,738,445	1,820,621	1,917,824	2,004,403	932,227	1,072,176

Appendix 10

Louisiana Tumor Registry Addresses and Phone Numbers

Central Office and Region VII (Northwest Louisiana)

Louisiana Tumor Registry
1600 Canal Street, Suite 900A
New Orleans, LA 70112

Phone: (504) 568-4716
Fax: (504) 568-2493

Regions I and III

**New Orleans and Southeast Louisiana
Regional Tumor Registry**
1600 Canal Street, Suite 900A
New Orleans, LA 70112

Phone: (504) 680-9060
Fax: (504) 568-2493

Region II

Baton Rouge Regional Tumor Registry
4950 Essen Lane
Baton Rouge, LA 70809

Phone: (225) 767-0430
Fax: (225) 767-4742

Region IV

Acadiana Tumor Registry
1204 Johnston Street
Lafayette, LA 70503

Phone: (337) 237-5398
Fax: (337) 235-9436

Region V

**Southwest Louisiana
Regional Cancer Registry**
Christus St. Patrick Hospital of Lake Charles
524 South Ryan Street
Lake Charles, LA 70601

Phone: (337) 491-7790
Fax: (337) 430-5471

Regions VI and VIII

**Northeast/Central Louisiana
Regional Tumor Registry**
CNSB Room 221/226
University of Louisiana at Monroe
700 University Avenue
Monroe, LA 71209-6604

Phone: (800) 342-8192
Fax: (318) 342-1824

Cancer in Louisiana: 1995-1999