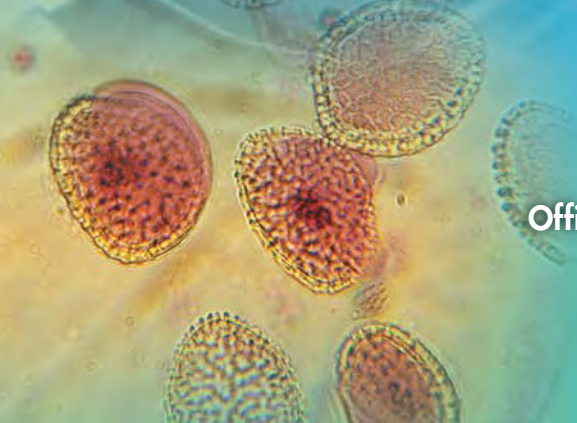


# CANCER IN TENNESSEE

2003-2007



June 2010

Tennessee Department of Health  
Office of Policy Planning and Assessment  
Office of Cancer Surveillance  
Tennessee Cancer Registry

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## EXECUTIVE SUMMARY

**T**he Office of Cancer Surveillance (OCS)-- located in the Office of Policy, Planning & Assessment, Tennessee Department of Health--is legislatively charged with measuring the burden of cancer in Tennessee residents. The OCS also provides statewide support and consultation to a coalition of volunteers and stakeholders that performs cancer prevention and control activities. Since surveillance is the foundation for evaluating public health needs, the Tennessee Cancer Registry (TCR), housed in the OCS, is determined to collect accurate data on all cancers diagnosed in the state. The TCR meets national standards for data completeness and quality; however, this has only been the case since the 2004 diagnosis year. The TCR collects approximately 31,000 new cases of invasive cancer in TN residents on an annual basis and, in general, males experience a significantly greater burden of cancer compared with females. Blacks experience a significantly greater cancer mortality burden than Whites; however, the cancer incidence burden in Blacks is only mildly increased compared to Whites. About one-half of all cancer diagnoses are found localized to the tissue of origin. Cancer is the second leading cause of death in Tennesseans, exceeded only by heart disease, which makes cancer a very important public health problem. Among the 50 states and the District of Columbia during the 2006 diagnosis year, the most recent year for which national cancer data is available, Tennessee has the 22nd highest age-adjusted cancer incidence rate and the 5th highest cancer death rate. **The majority of these cancers, approximately two-thirds, may be preventable through lifestyle changes, the most important of which is eliminating tobacco use.**

With all races and sexes combined, lung cancer is the most commonly diagnosed cancer in Tennessee residents with almost 5,600 new cases diagnosed per year. Female breast cancer, prostate cancer, colorectal cancer and lymphomas are, respectively, the second, third, fourth, and fifth most commonly diagnosed cancers. With all races

and sexes combined, lung cancer is the most common cause of death from cancer in Tennessee residents with over 4,200 deaths annually. This far exceeds the number of deaths due to colorectal cancer, breast cancer, pancreatic cancer and prostate cancer **combined**; colorectal, breast, pancreatic and prostate cancer are, respectively, the second, third, fourth and fifth most common causes of cancer death. **These data clearly demonstrate the importance of tobacco/smoking prevention efforts, since the large majority of lung cancers could be prevented if Tennessee residents would never begin smoking. Given that lung cancer is such a large component of the overall cancer burden, focusing on tobacco/smoking prevention efforts in the appropriate population could substantially improve Tennessee's very high overall cancer death rate as compared to the other states and the District of Columbia.**

With all races and both sexes combined, the following 10 counties have the highest age-adjusted cancer incidence rates for all cancers combined: Rhea, 583.2; Morgan, 570.8; Putnam, 561.4; Humphreys, 551.6; Carroll, 543.2; Jefferson, 539.3; White, 539.2; Meigs, 521.9; Marshall, 521.8; Perry, 519.1. Six of these counties are located in the Appalachian region of Tennessee and all, with the exception of Jefferson County, are principally rural counties. Since the majority of cancers are tied to lifestyle factors, such as smoking, these data suggest that rural Tennessee residents may be predisposed to developing cancer possibly due to certain unhealthy lifestyle factors. With all races and both sexes combined, the following 10 counties have the highest age-adjusted cancer death rates for all cancers combined: Perry, 270.5; Lake, 261.6; Polk, 252.5; Overton, 250.1; Macon, 247.3; Grainger, 244.9; Fentress, 243.3; Claiborne, 239.9; Marion, 237; Gibson, 235.8. Six of these counties are principally rural counties, and eight out of 10 are located in the Appalachian region of Tennessee.

Cancer in childhood, individuals between the ages of 0-19, is quite rare, affecting only about 1 out of every 6,300 children in Tennessee; however, it is usually quite devastating to any affected family. Cancer is almost as common as insulin dependent diabetes mellitus. Cancer is the second leading cause of death in children, exceeded only by accidents. In Tennessee, males are not significantly more affected by childhood cancer compared to females. Blacks are slightly less likely

to be affected by childhood cancer than Whites; however, this difference did not reach statistical significance. Children in Tennessee are most commonly diagnosed with cancer between the ages of 0-4 and 15-19, but death from cancer occurs at roughly the same rate throughout the childhood years. The three most commonly diagnosed childhood cancers are, respectively, leukemias, central nervous system cancers, and lymphomas.

## INTRODUCTION

Cancer is a group of diseases characterized by uncontrolled growth and spread of abnormal cells. Cancer is the second-leading cause of death among Americans. One of every four deaths in the United States is due to cancer. The American Cancer Society (ACS) estimates that in 2009, about 32,570 Tennessee residents will be diagnosed with cancer and 13,340 will die of this disease.

The Tennessee Cancer Reporting Act (T.C.A. 68-1-1001), which was passed in 1983 by the Tennessee Assembly, made cancer a reportable condition and established the Tennessee Cancer Registry (TCR). The mission statement of the TCR is: ***“Dedicated to the collection and use of quality data for the purpose of decreasing the incidence and mortality of cancer in Tennessee.”*** The goals of the TCR include:

- Collaborate with hospitals and other cancer reporting facilities to assure the collection of accurate, timely, and high quality cancer data;
- Promote scientific research using TCR data both within and outside of the Tennessee Department of Health;
- Respond to Tennessee residents about cancer concerns;
- Educate the public;
- Provide information for planning and evaluating cancer prevention and control activities;
- Share and compare cancer data with other states.

The TCR receives approximately 40% of its operating budget from funds appropriated by the Tennessee Assembly. The TCR also receives federal funding, representing approximately 60% of the TCR's annual operating budget, from the Centers for Disease Control and Prevention's (CDC) National Program of Cancer Registries (NPCR) since 1999. Funding is awarded on a 5-year cycle on a competitive basis and is dedicated to supporting cancer registries in meeting NPCR's standards in the following areas:

- Legislative Authority
- Administration

- Electronic Data Exchange
- Data Content and Format
- Completeness/Timeliness/Quality
- Quality Assurance
- Data Use and Data Monitoring
- Data Submission
- Collaborative Relationships

As a population-based cancer registry, TCR endeavors to collect comprehensive, timely, and accurate information on all patients diagnosed and/or treated for cancer in Tennessee. In 2007, the TCR submitted cancer data to the CDC for diagnoses occurring in 2004. The data met the inclusion criteria for complete and quality cancer data; therefore, TCR 2004 data were published in the CDC's *United States Cancer Statistics (USCS): 2004 Incidence and Mortality* publication, that was released at the end of 2007 (see Appendix C for USCS publication criteria). This was the first time that TCR data met the USCS publication criteria. For data in 2003, 2004, 2005, 2006, and 2007, the completeness of cancer case reporting was 88.3, 95.3, 99.5, 98.8 and 98.3 percent, respectively, as of December 2009. Data for the 2004-2007 diagnosis years met rigorous standards of data completeness and quality set forth by the CDC and therefore are published in the CDC's *United States Cancer Statistics Publication*, which includes data for all U.S. states and territories that meet the rigorous standards of data completeness & quality. The TCR became a North American Association of Central Cancer Registries' (NAACCR) Gold-Certified cancer registry in 2008 with its 2005 data submission, which is the highest certification level awarded to a cancer registry (see Appendix D for NAACCR certification criteria). TCR 2006 and 2007 data continue to meet these criteria. The dramatic improvements in the completeness and quality of cancer data collected by the TCR enhances its value for use in research and in planning of cancer prevention and control activities throughout the State of Tennessee.

The TCR collects data on the occurrence of cancer (incidence), the types of cancer (morphology), the site in the body where the cancer first occurred (primary site), the extent of disease at the time of diagnosis (stage), the first

course of treatment, vital status, and basic demographic information. Cancer data are reported to the TCR from a variety of medical facilities, including hospitals, physicians' offices, free-standing radiation facilities, ambulatory surgical treatment centers, pathology laboratories, and other sources. Cancer death data are recorded on death certificates and submitted to the Office of Vital Records, TDoH. Death certificates contain information regarding the primary cancer site, basic patient information and other useful information.

This report presents cancer incidence and mortality statistics for diagnoses occurring in 2003-2007 for 27 primary sites and subsites. In the main body of this report, tables showing incidence or mortality counts, rates, and 95% confidence intervals are presented by year, sex, race, age, stage at diagnosis, and geographic area.



## CANCER INCIDENCE AND MORTALITY BY PRIMARY SITE

**Table 1.** Cancer Incidence by Primary Cancer Site. Case Counts, Age-Adjusted Incidence Rates per 100,000 Population, and 95% Confidence Intervals (CI), Tennessee, 2003-2007.

Cancer Incidence by Primary Cancer Site	Rate	Lower CI	Upper CI	Count
<b>All Sites</b>	457.2	454.8	459.5	143,657
<b>Oral Cavity and Pharynx</b>	11	10.7	11.4	3,522
Lip	0.8	0.7	0.9	240
Tongue	2.9	2.7	3.1	925
Salivary Gland	1.2	1.1	1.3	362
Floor of Mouth	0.6	0.6	0.7	206
Gum and Other Mouth	1.6	1.5	1.8	517
Nasopharynx	0.5	0.5	0.6	170
Tonsil	1.9	1.8	2.1	627
Oropharynx	0.5	0.4	0.6	164
Hypopharynx	0.7	0.6	0.8	219
Other Oral Cavity and Pharynx	0.3	0.2	0.4	92
<b>Digestive System</b>	82.3	81.3	83.3	25,777
Esophagus	4.6	4.4	4.9	1,473
Stomach	5.8	5.6	6.1	1,815
Small Intestine	1.9	1.7	2.1	603
Colon and Rectum	49.8	49	50.6	15,562
Anus, Anal Canal and Anorectum	1.6	1.4	1.7	492
Liver and Intrahepatic Bile Duct	4.5	4.3	4.7	1,441
Gallbladder	0.9	0.8	1	281
Other Biliary	1.3	1.2	1.5	409
Pancreas	10.8	10.4	11.1	3,356
Retroperitoneum	0.3	0.2	0.4	92
Peritoneum, Omentum and Mesentery	0.5	0.4	0.6	155
Other Digestive Organs	0.3	0.3	0.4	98
<b>Respiratory System</b>	88.6	87.6	89.7	27,926
Nose, Nasal Cavity and Middle Ear	0.8	0.7	0.9	237
Larynx	5.2	4.9	5.4	1,666
Lung and Bronchus	81.9	80.9	82.9	25,772
Pleura	0.6	0.5	0.7	187
Trachea, Mediastinum and Other Respiratory Organs	0.2	0.2	0.3	64
<b>Bones and Joints</b>	1	0.9	1.1	294
<b>Soft Tissue including Heart</b>	2.8	2.6	3	865

Table 1. Continued

Cancer Incidence by Primary Cancer Site	Rate	Lower CI	Upper CI	Count
<b>Skin excluding Basal and Squamous</b>	19.6	19.1	20.1	6,097
Melanoma of the Skin	18.2	17.8	18.7	5,692
Other Non-Epithelial Skin	1.3	1.2	1.5	405
<b>Breast (Female Only)</b>	117.2	115.6	118.9	20,124
<b>Female Genital System</b>	43.1	42.1	44.1	7,368
Cervix Uteri	8.5	8	8.9	1,347
Corpus and Uterus, NOS	19.2	18.5	19.8	3,340
Ovary	11.8	11.3	12.3	2,037
Vagina	0.8	0.7	0.9	137
Vulva	2.4	2.2	2.6	416
Other Female Genital Organs	0.5	0.4	0.7	91
<b>Male Genital System</b>	143.7	141.7	145.8	20,013
Prostate	138.1	136.1	140.1	19,200
Testis	4.8	4.4	5.1	692
Penis	0.7	0.6	0.9	98
Other Male Genital Organs	0.2	0.1	0.2	23
<b>Urinary System</b>	34.9	34.3	35.6	10,932
Urinary Bladder	18.8	18.3	19.3	5,815
Kidney and Renal Pelvis	15.3	14.9	15.8	4,862
Ureter	0.6	0.5	0.7	182
Other Urinary Organs	0.2	0.2	0.3	73
<b>Eye and Orbit</b>	0.9	0.8	1	266
<b>Brain and Other Nervous System</b>	6.7	6.4	7	2,070
Brain	6.4	6.1	6.7	1,970
Cranial Nerves Other Nervous System	0.3	0.3	0.4	100
<b>Endocrine System</b>	10.6	10.3	11	3,266
Thyroid	9.9	9.5	10.3	3,048
Other Endocrine including Thymus	0.7	0.6	0.8	218
<b>Lymphoma</b>	20.8	20.3	21.3	6,445
Hodgkin Lymphoma	2.5	2.3	2.7	748
Non-Hodgkin Lymphoma	18.3	17.8	18.8	5,697
<b>Myeloma</b>	5.5	5.3	5.8	1,724
<b>Leukemia</b>	11.2	10.8	11.5	3,408
Lymphocytic Leukemia	5.3	5	5.5	1,607
Myeloid and Monocytic Leukemia	5.2	5	5.5	1,599
Other Leukemia	0.7	0.6	0.8	202
<b>Miscellaneous</b>	10.7	10.4	11.1	3,342

Note: two cancer cases with invalid value for primary site were excluded from analysis.

**Table 2.** Cancer Mortality by Primary Cancer Site. Case Counts, Age-Adjusted Mortality Rates per 100,000 Population, and 95% Confidence Intervals (CI), Tennessee, 2003-2007.

Cancer Mortality by Primary Cancer Site	Rate	Lower CI	Upper CI	Count
<b>All Sites</b>	207.4	205.8	209	64,240
<b>Oral Cavity and Pharynx</b>	3.1	2.9	3.3	965
<b>Lip</b>	^	^	^	^
<b>Tongue</b>	0.7	0.6	0.8	213
<b>Salivary Gland</b>	0.3	0.2	0.3	86
<b>Floor of Mouth</b>	0	0	0.1	10
<b>Gum and Other Mouth</b>	0.5	0.4	0.6	145
<b>Nasopharynx</b>	0.2	0.1	0.2	54
<b>Tonsil</b>	0.3	0.3	0.4	101
<b>Oropharynx</b>	0.3	0.2	0.3	79
<b>Hypopharynx</b>	0.1	0.1	0.2	40
<b>Other Oral Cavity and Pharynx</b>	0.7	0.6	0.8	229
<b>Digestive System</b>	44.7	44	45.5	13,876
<b>Esophagus</b>	4.1	3.9	4.4	1,309
<b>Stomach</b>	3.4	3.2	3.6	1,054
<b>Small Intestine</b>	0.4	0.3	0.5	128
<b>Colon and Rectum</b>	19.1	18.6	19.6	5,877
<b>Anus, Anal Canal and Anorectum</b>	0.3	0.2	0.3	82
<b>Liver and Intrahepatic Bile Duct</b>	4.9	4.7	5.2	1,556
<b>Gallbladder</b>	0.5	0.5	0.6	167
<b>Other Biliary</b>	0.5	0.4	0.6	158
<b>Pancreas</b>	10.9	10.5	11.2	3,363
<b>Retroperitoneum</b>	0.1	0.1	0.1	27
<b>Peritoneum, Omentum and Mesentery</b>	0.2	0.2	0.3	61
<b>Other Digestive Organs</b>	0.3	0.2	0.4	94
<b>Respiratory System</b>	70.2	69.2	71.1	21,898
<b>Nose, Nasal Cavity and Middle Ear</b>	0.2	0.2	0.3	68
<b>Larynx</b>	1.5	1.4	1.7	494
<b>Lung and Bronchus</b>	68.1	67.2	69	21,252
<b>Pleura</b>	0.2	0.1	0.2	54
<b>Trachea, Mediastinum and Other Respiratory Organs</b>	0.1	0.1	0.1	30
<b>Bones and Joints</b>	0.5	0.4	0.6	156
<b>Soft Tissue including Heart</b>	1.2	1.1	1.3	369

Table 2. Continued

Cancer Mortality by Primary Cancer Site	Rate	Lower CI	Upper CI	Count
<b>Skin excluding Basal and Squamous</b>	4.1	3.9	4.4	1,277
Melanoma of the Skin	2.9	2.7	3.1	901
Other Non-Epithelial Skin	1.2	1.1	1.4	376
<b>Breast (Female Only)</b>	25.4	24.6	26.1	4,495
<b>Female Genital System</b>	16.3	15.7	16.9	2,877
Cervix Uteri	2.8	2.6	3.1	474
Corpus and Uterus, NOS	3.7	3.4	4	660
Ovary	8.8	8.4	9.2	1,563
Vagina	0.3	0.2	0.4	55
Vulva	0.5	0.4	0.6	86
Other Female Genital Organs	0.2	0.2	0.3	39
<b>Male Genital System</b>	29.4	28.4	30.5	3,151
Prostate	28.9	27.9	30	3,081
Testis	0.3	0.2	0.4	37
Penis	0.2	0.2	0.3	30
Other Male Genital Organs	^	^	^	^
<b>Urinary System</b>	8.8	8.5	9.1	2,704
Urinary Bladder	4.2	3.9	4.4	1,262
Kidney and Renal Pelvis	4.4	4.2	4.6	1,371
Ureter	0.1	0.1	0.2	36
Other Urinary Organs	0.1	0.1	0.2	35
<b>Eye and Orbit</b>	0.1	0.1	0.1	31
<b>Brain and Other Nervous System</b>	5.3	5	5.5	1,649
<b>Endocrine System</b>	0.8	0.7	0.9	239
Thyroid	0.5	0.4	0.5	139
Other Endocrine including Thymus	0.3	0.3	0.4	100
<b>Lymphoma</b>	7.9	7.6	8.3	2,426
Hodgkin Lymphoma	0.5	0.4	0.5	141
Non-Hodgkin Lymphoma	7.5	7.2	7.8	2,285
<b>Myeloma</b>	4.2	3.9	4.4	1,272
<b>Leukemia</b>	7.6	7.3	7.9	2,306
Lymphocytic Leukemia	2.2	2	2.3	655
Myeloid and Monocytic Leukemia	3.6	3.4	3.8	1,109
Other Leukemia	1.8	1.6	1.9	542
<b>Miscellaneous Malignant Cancer</b>	14.6	14.2	15.1	4,518

Note: ^ Due to concerns regarding privacy, statistics were suppressed when there were 1-9 reported cases.



## MOST COMMON CANCER SITES AND LEADING CAUSES OF CANCER DEATH

Figure 1: Top 10 Cancers, New Cases  
All Races, Both Sexes, Tennessee, 2003-2007

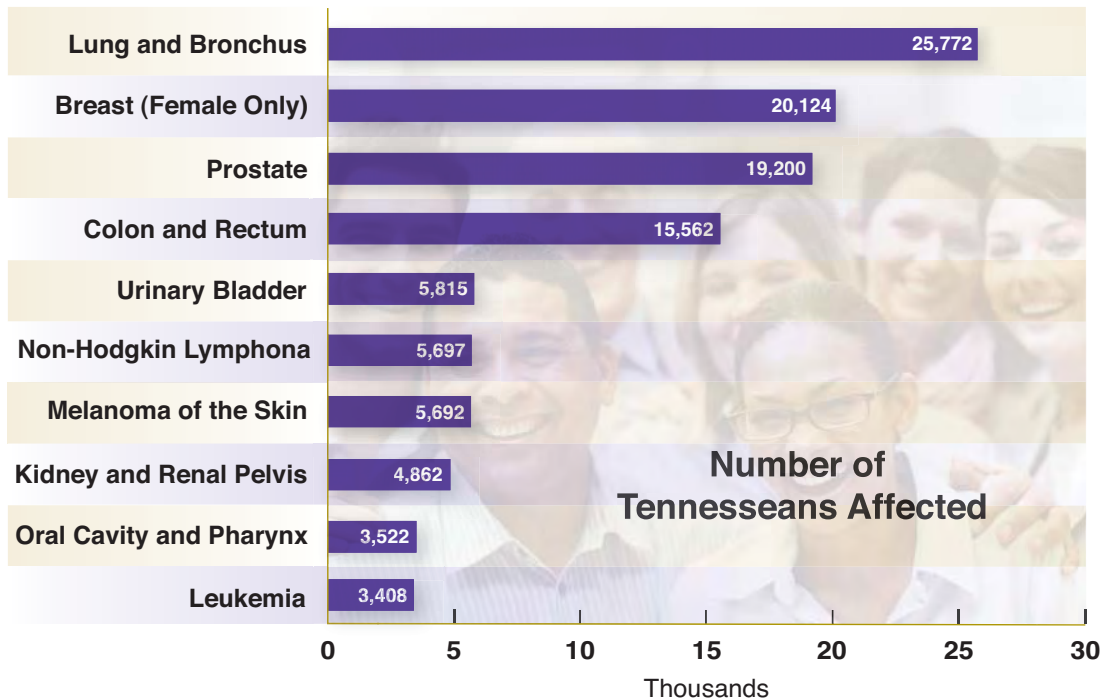
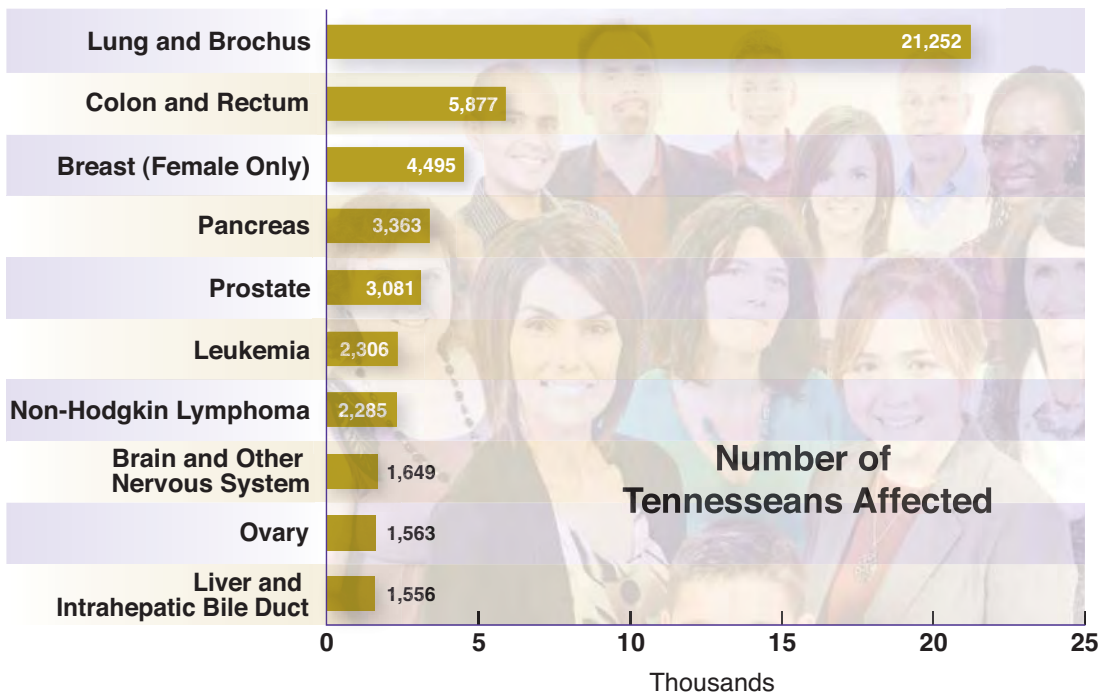
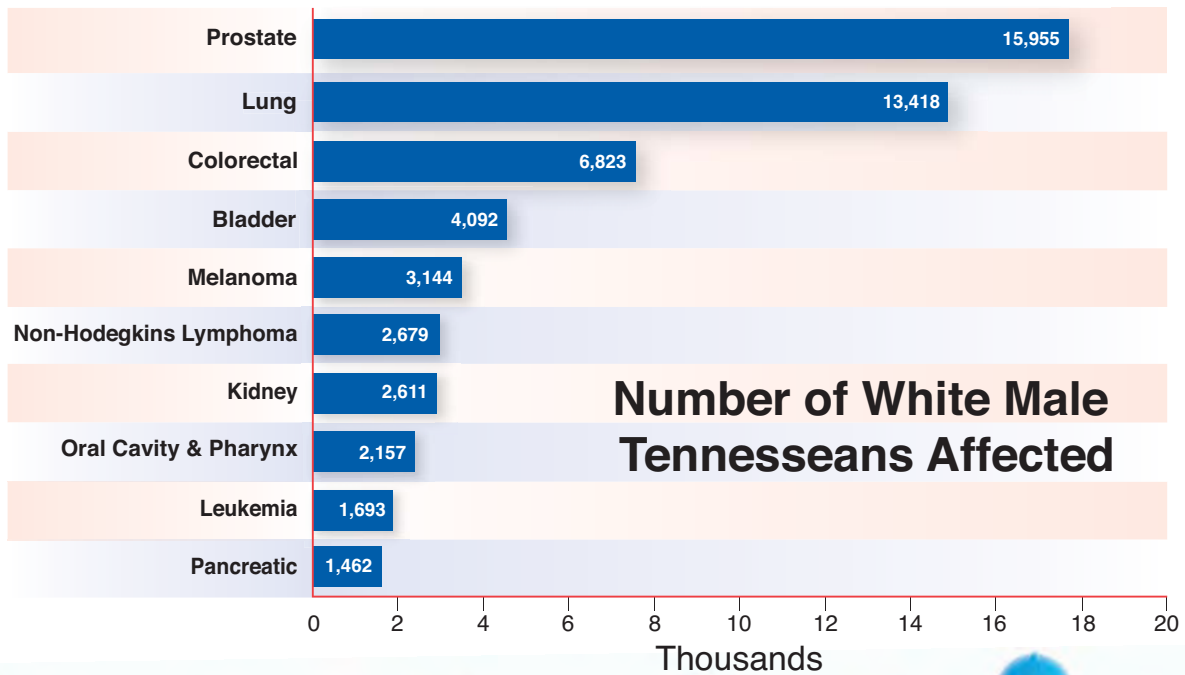


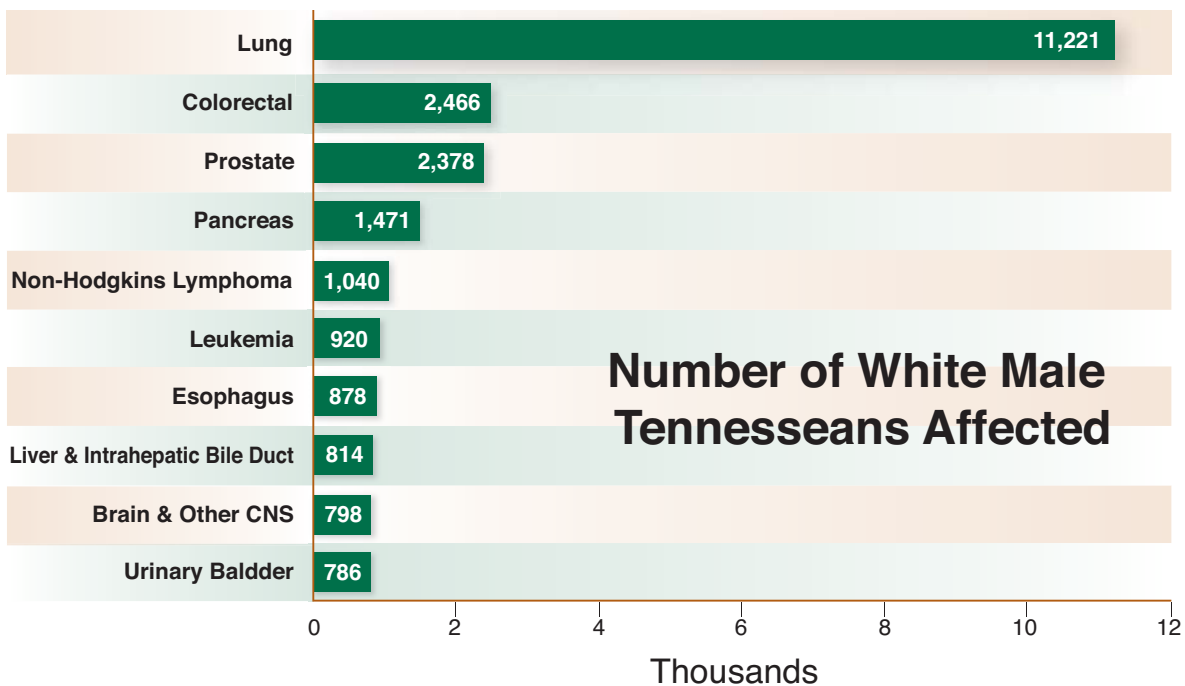
Figure 2: Top 10 Cancer Deaths  
All Races, Both Sexes, Tennessee, 2003-2007



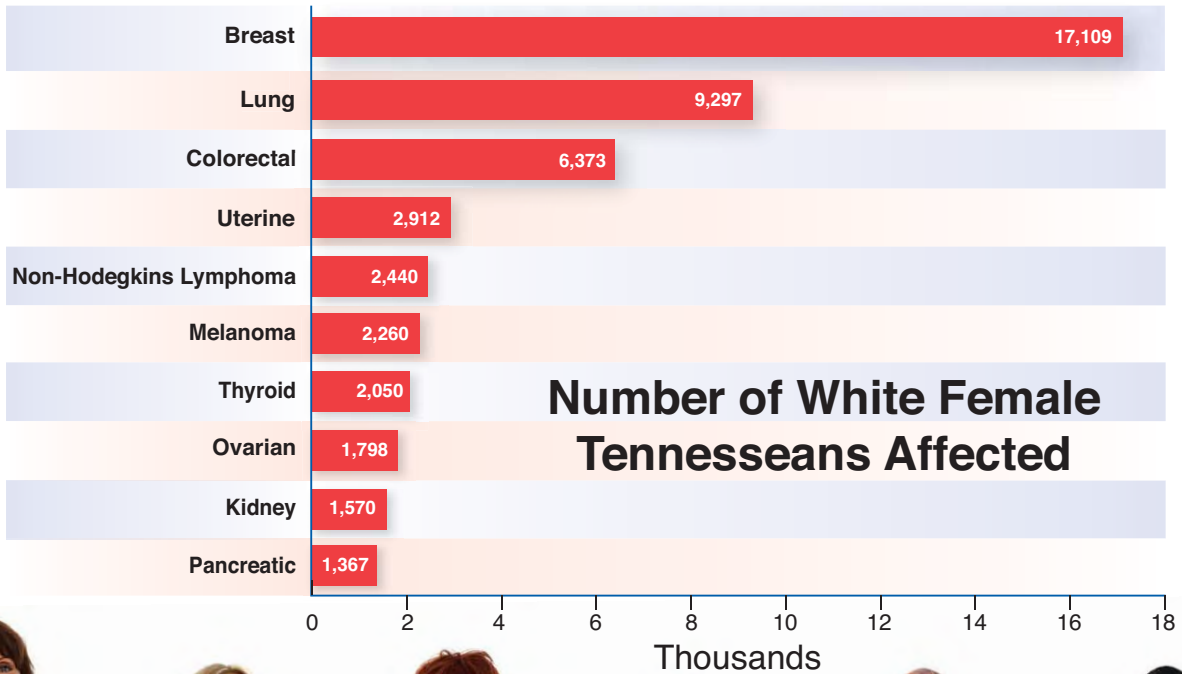
**Figure 3: Top 10 Cancers, New Cases**  
White Males, Tennessee, 2003-2007



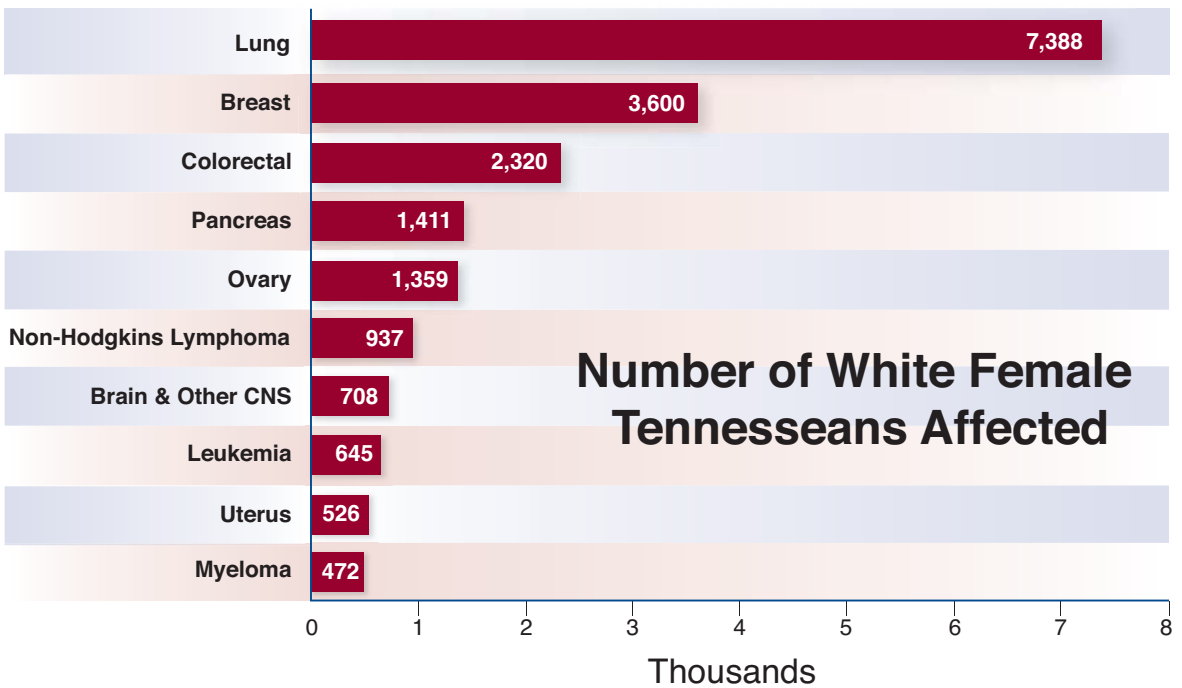
**Figure 4: Top 10 Cancer Deaths**  
White Males, Tennessee, 2003-2007



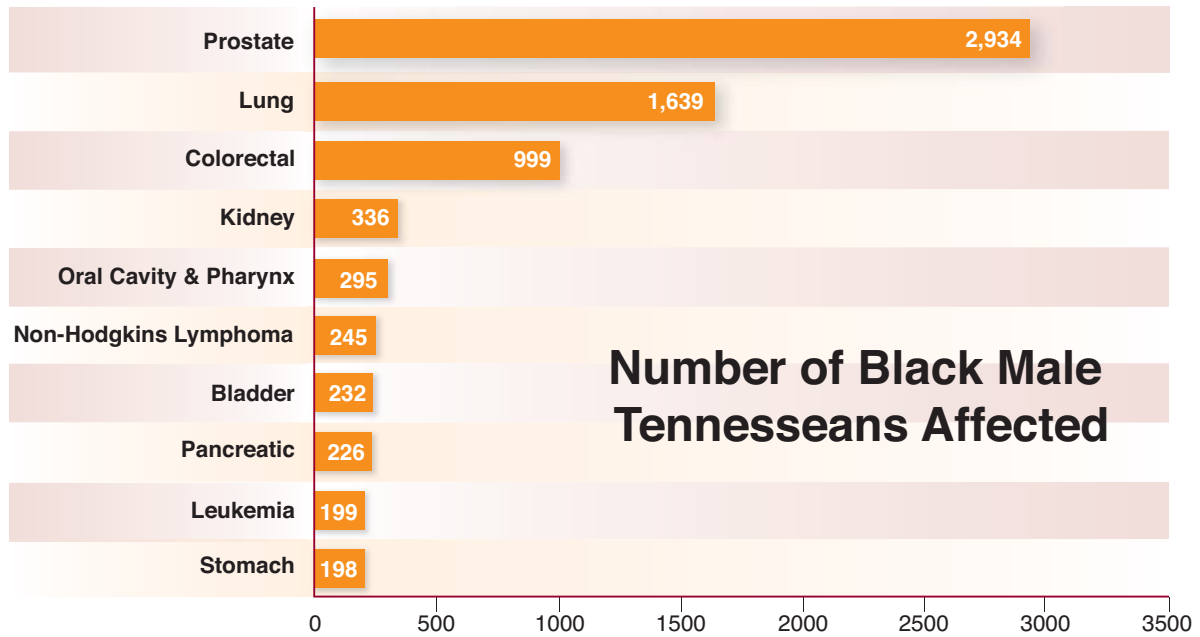
**Figure 5: Top 10 Cancers, New Cases**  
White Females, Tennessee, 2003-2007



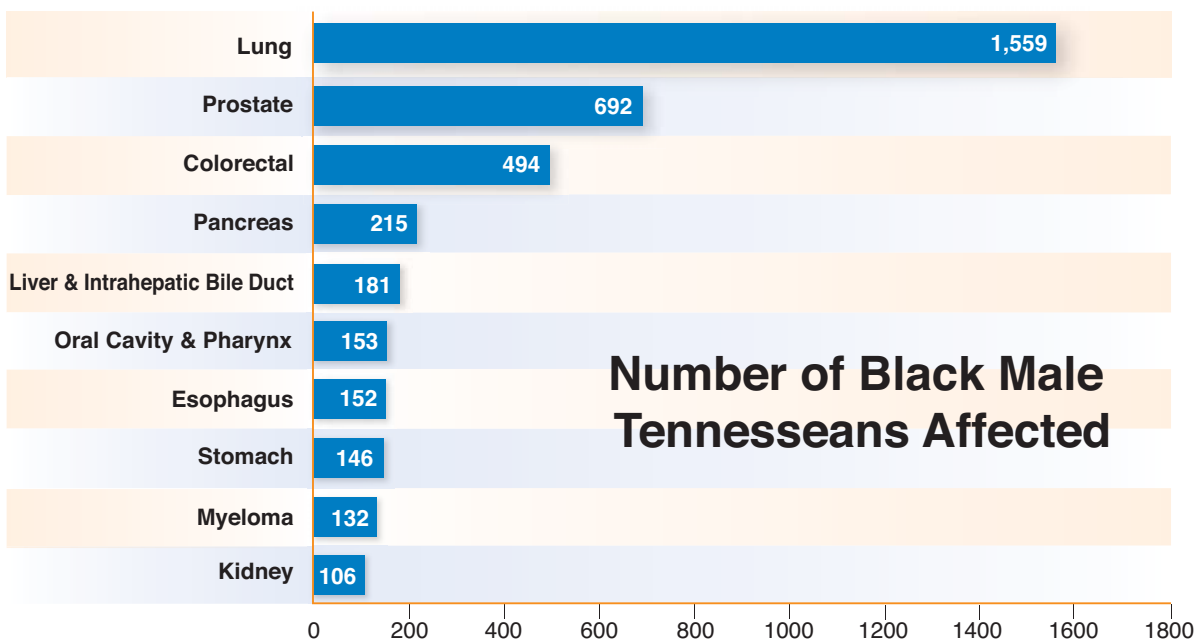
**Figure 6: Top 10 Cancer Deaths**  
White Females, Tennessee, 2003-2007



**Figure 7: Top 10 Cancers, New Cases**  
**Black Males, Tennessee, 2003-2007**

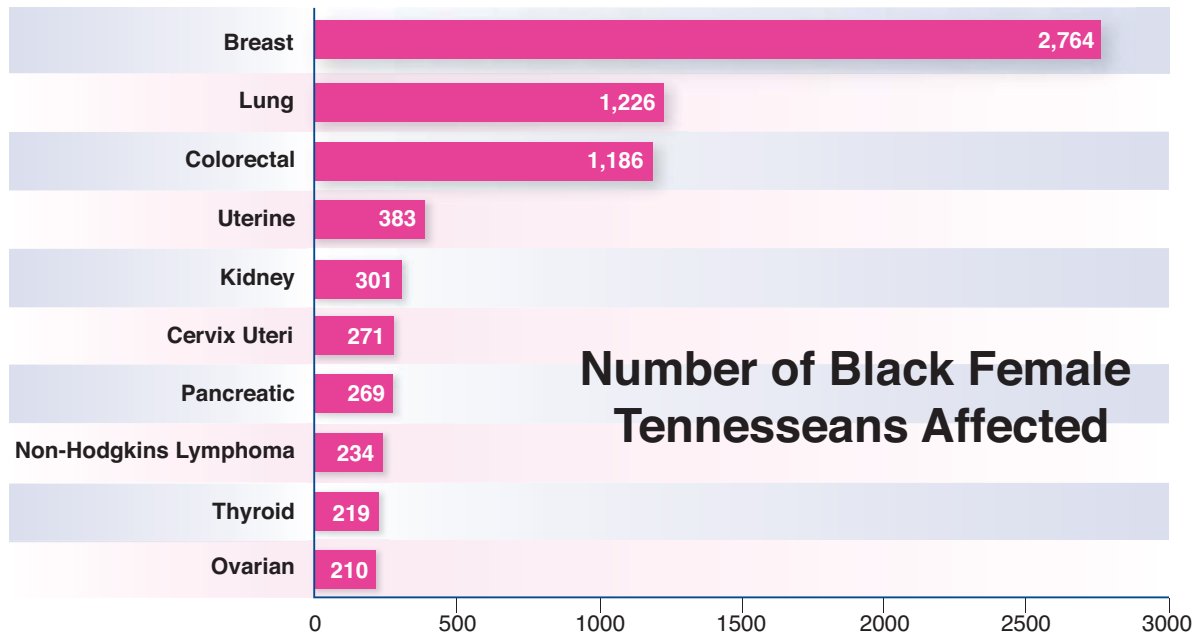


**Figure 8: Top 10 Cancer Deaths**  
**Black Males, Tennessee, 2003-2007**

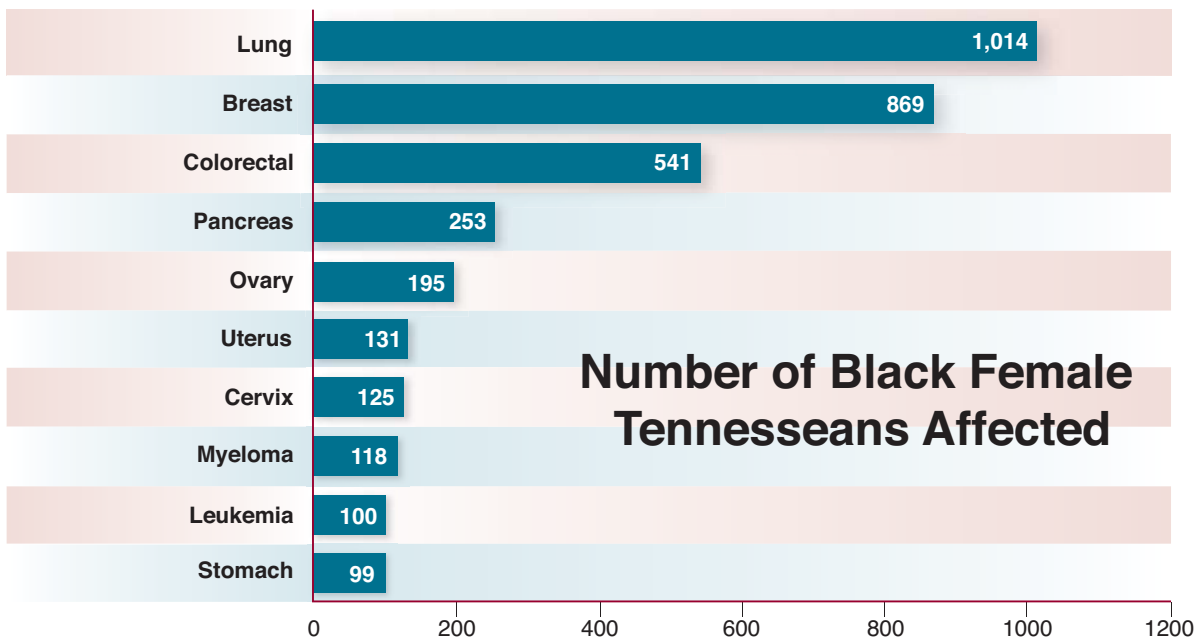




**Figure 9: Top 10 Cancers, New Cases  
Black Females, Tennessee, 2003-2007**



**Figure 10: Top 10 Cancer Deaths  
Black Females, Tennessee, 2003-2007**



## ALL CANCER SITES COMBINED

**Table 3.** All Cancer Sites Combined. Annual Case Counts, Age-Adjusted Incidence Rates per 100,000 Population, and 95% Confidence Intervals (CI), by Year, Sex and Race, Tennessee, 2003-2007.

	BOTH SEXES				MALES				FEMALES			
	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count
<b>ALL RACES</b>												
<b>2003-2007</b>	457.2	454.8	459.6	143,659	548.4	544.4	552.5	75,006	397.8	394.8	400.8	68,653
<b>2003</b>	422.3	417.2	427.6	25,494	493.8	485.1	502.7	12,915	377	370.4	383.7	12,579
<b>2004</b>	441.8	436.5	447.1	27,113	532.6	523.7	541.7	14,212	382.6	376	389.3	12,901
<b>2005</b>	471.5	466.1	476.9	29,612	568.9	559.7	578.1	15,561	407.9	401.1	414.7	14,051
<b>2006</b>	470.8	465.4	476.1	30,227	562.6	553.6	571.7	15,746	410.8	404.1	417.6	14,481
<b>2007</b>	477	471.7	482.4	31,213	579.8	570.7	589	16,572	409.2	402.6	416	14,641
<b>WHITES</b>												
<b>2003-2007</b>	453.9	451.4	456.5	124,034	541.2	537	545.5	65,208	396.9	393.7	400.2	58,826
<b>2003</b>	420.6	415	426.2	22,127	489.2	480	498.5	11,296	377.1	370	384.4	10,831
<b>2004</b>	439.8	434.1	445.5	23,482	527.8	518.3	537.4	12,413	381.9	374.7	389.1	11,069
<b>2005</b>	466.9	461.1	472.7	25,491	556	546.4	565.7	13,405	408.4	401.1	415.9	12,086
<b>2006</b>	466.2	460.5	472	26,011	557	547.5	566.7	13,717	406.6	399.3	413.9	12,294
<b>2007</b>	474	468.3	479.8	26,923	572	562.4	581.6	14,377	409.4	402.1	416.7	12,546
<b>BLACKS</b>												
<b>2003-2007</b>	466.8	459.7	473.9	17,625	584.8	571.9	598	8,786	396	387.7	404.5	8,839
<b>2003</b>	440.8	425.2	456.8	3,154	537.6	509.4	566.8	1,519	383.5	365	402.8	1,635
<b>2004</b>	446.5	431	462.4	3,304	559.4	531	588.8	1,643	379.9	361.6	398.8	1,661
<b>2005</b>	503.4	487.1	520.1	3,790	672.2	640.9	704.4	1,981	404.6	385.9	423.9	1,809
<b>2006</b>	483	467.2	499.2	3,748	583.1	554.7	612.3	1,826	421.5	402.5	441.1	1,922
<b>2007</b>	458.8	443.5	474.5	3,629	569.8	542	598.6	1,817	389.8	371.7	408.5	1,812

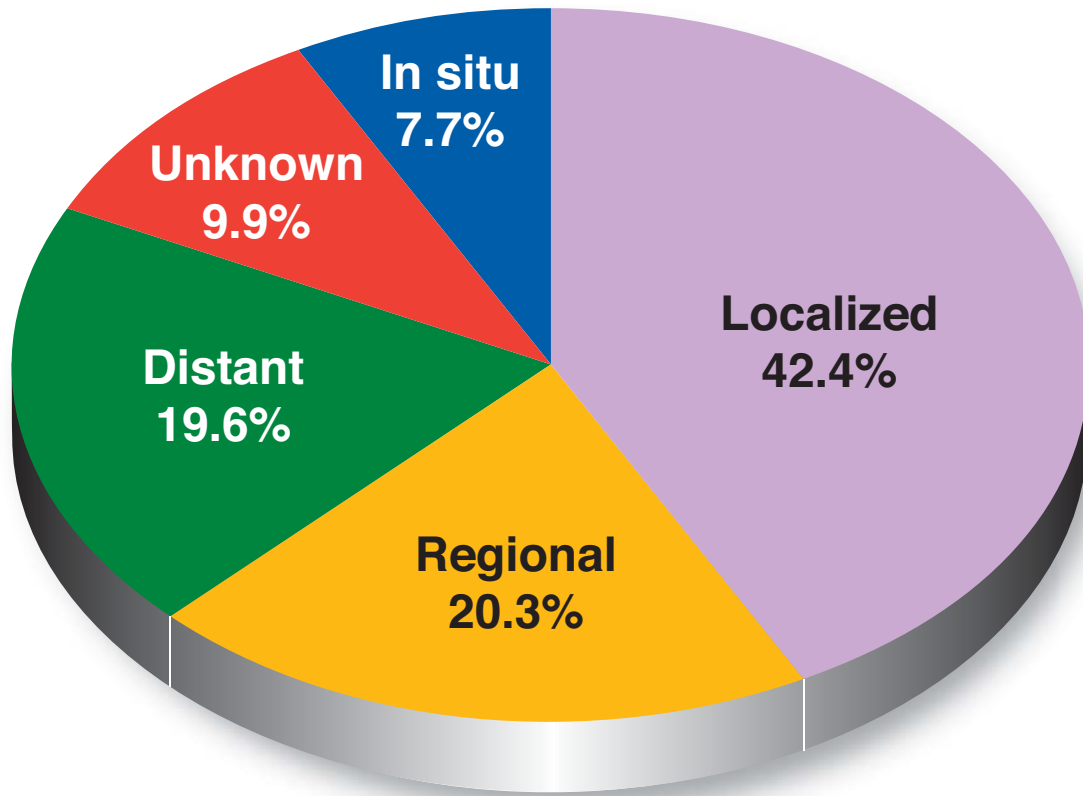
Note: Number of new cases excludes *in situ* cases in all cancer sites except urinary bladder cancer.

# CANCER IN TENNESSEE: 2003-2007

**Table 4.** All Cancer Sites Combined. Five-Year Case Counts, Average Annual Age-Specific Incidence Rates per 100,000 Population and 95% Confidence Intervals (CI) for All Races Combined, by Age and Sex, 2003-2007, Tennessee.

Age at Diagnosis	BOTH SEXES				MALES				FEMALES			
	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count
0	25.0	20.3	30.5	99	23.2	17.0	30.8	47	26.9	20.1	35.3	52
01-04	22.0	19.8	24.5	346	23.1	19.9	26.7	186	20.9	17.8	24.4	160
05-09	10.7	9.3	12.2	207	11.4	9.4	13.7	113	10.0	8.0	12.2	94
10-14	12.2	10.8	13.9	246	12.4	10.3	14.7	128	12.1	10.0	14.4	118
15-19	18.3	16.5	20.2	377	18.8	16.3	21.6	199	17.7	15.2	20.5	178
20-24	32.0	29.6	34.5	645	28.3	25.1	31.8	289	35.7	32.1	39.6	356
25-29	51.8	48.7	55.1	1,031	42.0	38.1	46.2	420	61.8	57.0	66.9	611
30-34	84.5	80.6	88.5	1,746	58.7	54.2	63.6	609	110.4	104.1	117.0	1,137
35-39	134.8	129.9	139.8	2,857	87.2	81.6	93.0	920	182.1	174.0	190.4	1,937
40-44	232.3	226.1	238.7	5,272	167.6	160.1	175.3	1,873	295.2	285.4	305.3	3,399
45-49	369.2	361.4	377.2	8,366	306.5	296.3	317.0	3,392	429.1	417.3	441.2	4,974
50-54	582.6	572.3	593.1	12,162	580.8	566.1	595.8	5,903	584.3	569.9	599.0	6,259
55-59	915.2	901.3	929.2	16,581	1033.2	1012.1	1054.7	9,077	804.1	786.0	822.5	7,504
60-64	1311.1	1292.4	1330.0	18,736	1579.0	1549.3	1609.1	10,781	1066.1	1042.8	1089.8	7,955
65-69	1784.1	1759.6	1808.8	20,239	2261.9	2221.4	2302.8	11,924	1369.3	1340.0	1399.0	8,315
70-74	2043.8	2014.5	2073.4	18,589	2689.9	2639.4	2741.2	10,791	1533.9	1500.0	1568.3	7,798
75-79	2213.1	2179.1	2247.5	16,168	3041.9	2979.4	3105.4	9,010	1648.0	1610.0	1686.6	7,158
80-84	2224.6	2184.4	2265.2	11,711	3172.7	3092.3	3254.6	5,910	1705.3	1661.7	1749.8	5,801
85+	1764.3	1726.5	1802.7	8,281	2751.4	2660.1	2845.0	3,434	1406.7	1367.4	1446.9	4,847

Figure 11: All Cancer Sites Combined by Stage, Tennessee, 2003-2007



# CANCER IN TENNESSEE: 2003-2007

**Table 5.** All Cancer Sites Combined. Five-Year Case Counts, Average Annual Age-Adjusted Incidence Rates per 100,000 Population, and 95% Confidence Intervals (CI), by County, Sex, and Race, Tennessee, 2003-2007.

County	BOTH SEXES				MALES				FEMALES			
	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count
<b>ALL RACES</b>												
Tennessee	457.2	454.8	459.6	143,659	548.4	544.4	552.5	75,006	397.8	394.8	400.8	68,653
Anderson	467.3	447.5	487.9	2,148	588.6	554.8	623.9	1,163	389.8	365.2	415.8	985
Bedford	432.4	404.4	461.8	897	498.3	452.6	547.3	457	394.7	358.4	433.7	440
Benton	481.7	440.8	525.8	535	579.7	513.7	652.4	296	415.6	362.9	474.4	239
Bledsoe	336.9	294	384.4	234	421.9	346.5	508.3	131	290.7	236.5	354.2	103
Blount	445.1	429.1	461.5	2,966	529.5	503	557.1	1,561	386.5	366.3	407.6	1,405
Bradley	405.5	387.7	423.9	1,990	475.1	445.6	506	1,035	358.1	335.6	381.8	955
Campbell	503.4	475.6	532.5	1,257	635.6	587.1	687.1	699	416.8	382.1	453.9	558
Cannon	392.2	348.4	440.2	295	476	402.9	558.7	159	339.4	284.2	402.6	136
Carroll	543.2	509.3	578.9	990	618.1	564.6	675.4	502	509.1	463.3	558.3	488
Carter	345.3	325.9	365.6	1,201	401.8	369.9	435.7	614	309.7	284.7	336.4	587
Cheatham	421	390.4	453.3	745	511.2	459.2	567.3	403	353.3	316.3	393.5	342
Chester	309.1	272.7	349.1	264	332.5	276.7	396.2	128	298.8	249.9	354.6	136
Claiborne	508.1	475.4	542.6	920	587.6	534.8	644.3	485	450.9	409	496	435
Clay	352.7	302.5	409.4	183	417.9	338.5	511.6	103	295.1	232.8	370.2	80
Cocke	458.1	428.9	489	937	542	493.6	594	501	403.1	365.6	443.5	436
Coffee	477	452.2	502.9	1,400	580.7	539.3	624.4	755	409.3	377.9	442.8	645
Crockett	431.2	387.5	478.6	363	525.7	454.2	605.4	198	369.1	313.8	431.8	165
Cumberland	502.4	479.3	526.5	1,964	621.5	584.6	660.4	1,173	402	372.8	433.1	791
Davidson	473.8	465.7	482.1	13,072	567.3	553.2	581.7	6,530	418.8	408.7	429.2	6,542
Decatur	398.8	355	446.9	314	464	395.2	542.2	168	360.5	301.9	427.9	146
DeKalb	474.1	433	518.2	494	558.9	490.7	633.9	255	422.6	370	481	239
Dickson	504.4	475.8	534.2	1,180	594.1	546.2	645	614	446.6	410.4	485.2	566
Dyer	369.8	344	397.2	770	436.4	393.5	482.6	396	320.9	288.7	355.9	374
Fayette	260.3	237	285.2	469	297.6	259.8	339.2	240	236.1	206.2	269.1	229
Fentress	517.8	474.1	564.6	533	649.3	576.2	729.4	305	421	367.2	480.8	228
Franklin	410.9	385.5	437.5	996	511	467.9	556.9	546	346	314.3	380.3	450
Gibson	469.3	444.7	494.9	1,404	559.9	519.7	602.4	727	411.7	380.2	445.3	677
Giles	415.2	385	447.1	719	487.1	437.4	541	373	367.3	328.8	409.4	346
Grainger	512.9	473.2	555.1	642	601.4	536.2	672.4	345	451.6	401.1	507	297
Greene	445	424.3	466.5	1,770	511.4	477.3	547.2	889	403.4	376.8	431.5	881
Grundy	470.3	424.4	519.9	395	545.7	473.5	626	214	416.4	356.5	483.7	181
Hamblen	446.2	423.9	469.5	1,523	542.6	504.1	583.1	797	391.5	363.1	421.7	726
Hamilton	486	475.8	496.5	8,634	596.7	579.1	614.6	4,543	413.7	401	426.8	4,091
Hancock	363.5	306.3	428.8	146	379.9	293.4	484.7	69	367.1	288	462.3	77
Hardeman	412.8	380.5	447.1	608	486.5	434.6	542.8	331	363.7	321.6	410	277
Hardin	376.2	346.9	407.5	628	421.6	375.3	472.2	322	351	311.9	394	306
Hawkins	404.5	382.9	427.2	1,337	501.3	464.3	540.5	734	341.7	314.6	370.7	603
Haywood	363.4	327.6	402.2	379	491	426.2	562.8	213	276.1	235.1	322.3	166
Henderson	419.9	387.5	454.3	628	496.4	442.5	555	325	372.8	331.5	418	303
Henry	446.2	417.8	476.2	948	530.5	484.4	580	509	390.9	354.1	430.9	439
Hickman	453.3	416.3	492.8	562	540.7	480.2	606.6	313	387.8	340.7	439.9	249
Houston	415.7	360.9	476.9	213	511.8	423.5	613.9	121	344	275.4	425.5	92
Humphreys	551.6	508.2	597.9	612	578.9	513.3	651	301	534.3	475.4	598.8	311
Jackson	401.6	355.1	452.9	278	517	439.2	605.3	169	307.8	251.7	373.6	109



# CANCER IN TENNESSEE: 2003-2007

Table 5. Continued

County	BOTH SEXES				MALES				FEMALES			
	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count
<b>ALL RACES</b>												
Jefferson	539.3	511.7	568.1	1,466	634.8	589.5	682.7	793	470.3	435	507.8	673
Johnson	374.2	339	412.4	425	400.1	347.7	458.5	219	360	311.2	415	206
Knox	474.4	465.2	483.7	10,225	585.3	569.4	601.6	5,386	403.4	392.1	415.1	4,839
Lake	388	328.9	455	154	462	365.6	575.6	82	363.7	281.2	464.4	72
Lauderdale	421	386.9	457.4	571	518.5	460.6	581.3	307	363	319.8	410.4	264
Lawrence	507.4	478.7	537.4	1,189	617.2	569.2	668.2	632	436.3	400.1	474.9	557
Lewis	407.2	359	460.2	265	532.1	448.8	626.5	157	314.7	257.5	381.3	108
Lincoln	383.1	356	411.8	753	454.8	410.6	502.6	401	330.4	296.1	367.8	352
Loudon	505.9	479.9	533.1	1,487	605.1	562.3	650.5	820	434.9	401.3	470.6	667
McMinn	398.5	376.1	422	1,196	492.3	454.5	532.4	659	333.1	305.1	363.1	537
McNairy	465.3	431.7	501.1	730	508.7	456.9	565	367	442.6	396.9	492.3	363
Macon	452.8	413.7	494.7	502	573.3	506	647	279	373.8	325.8	427	223
Madison	446.3	427.5	465.7	2,143	542.3	510.3	575.7	1,112	380.7	357.6	404.9	1,031
Marion	468.5	435.1	503.9	756	540.8	484.9	601.5	387	424.9	382.1	471.5	369
Marshall	521.8	485.3	560.2	772	633.5	572	699.6	409	441.4	396.7	489.8	363
Maurry	480.1	458.5	502.5	1,874	578.4	541.4	617.3	966	422.6	395.4	451.2	908
Meigs	521.9	466.2	582.7	335	595.2	505.2	696.8	179	471.8	399.4	553.9	156
Monroe	444.2	417.8	471.9	1,080	532.4	489.1	578.6	589	378.1	345	413.7	491
Montgomery	435.9	418.5	453.9	2,462	500.5	471	531.3	1,205	399.4	377.4	422.3	1,257
Moore	223.3	176.5	279.4	80	267.5	194.3	360.6	46	181.3	124.4	256.7	34
Morgan	570.8	526.2	618.2	619	695.6	620.9	776.7	343	496.5	439	559.8	276
Obion	445.8	416.3	476.9	868	552	502.7	605	478	372.5	335.6	412.6	390
Overton	428.8	392.8	467.3	539	528.9	469.6	593.9	303	356.7	311.7	406.7	236
Perry	519.1	455.8	589.2	252	537.9	441.5	649.7	117	522.6	435.7	623	135
Pickett	518	442.2	604.3	179	641.4	520.9	784	107	429.4	330.9	549.9	72
Polk	433.9	392.8	478.2	422	473.7	410.5	544.3	216	404.2	350	464.9	206
Putnam	561.4	537	586.7	2,009	686.6	646.3	728.8	1,105	465.7	435.4	497.7	904
Rhea	583.2	547.1	621.1	1,000	651.7	594.9	712.6	513	536.8	489.2	587.9	487
Roane	468.3	445.4	492.2	1,604	555.6	517.8	595.6	849	413.9	384.1	445.4	755
Robertson	463.9	439.1	489.7	1,339	536.1	495.4	579.1	695	410.4	379.2	443.5	644
Rutherford	447.5	432.9	462.4	3,796	522.9	498.2	548.4	1,947	395.2	377	413.9	1,849
Scott	450.3	411.5	491.7	509	527.2	462.9	597.7	263	402.5	353.3	456.7	246
Sequatchie	408.7	361.6	460.3	280	497.7	418.3	587.6	151	351.4	292.7	418.8	129
Sevier	502.1	481.4	523.4	2,292	607.9	573.2	644.2	1,246	425.6	399.8	452.6	1,046
Shelby	445.7	439.1	452.3	18,325	538.8	527.3	550.6	9,062	390.8	382.8	398.9	9,263
Smith	402.7	364	444.5	402	486.4	421.5	558.3	211	351.6	303	406	191
Stewart	473.3	425	525.8	357	544	468.3	628.8	194	421.5	358.6	492.7	163
Sullivan	470.6	457	484.5	4,648	558.5	536	581.6	2,427	412.7	395.3	430.8	2,221
Sumner	464.4	448.6	480.5	3,396	575.9	548.4	604.3	1,831	389.1	369.9	409.1	1,565
Tipton	447	421.3	473.9	1,171	537.9	494	584.6	620	383.8	352.2	417.5	551
Trousdale	387.6	330.7	451.8	168	466	374.1	574	93	321.2	251.7	404.7	75
Unicoi	413.2	377.1	452.1	497	498.7	439.1	564.5	262	360.9	314.6	412.7	235
Union	420.6	380.3	464	414	533.1	461.5	612.3	231	348.2	299.3	403.1	183
Van Buren	344.4	282.3	416.7	111	380	286.4	495.6	59	313.3	232.5	414.7	52
Warren	464.9	436.8	494.4	1,030	521.5	476.7	569.3	515	430.5	393.7	470	515
Washington	457.1	440.6	474.1	2,927	542.4	515.1	570.9	1,526	403.1	381.9	425.1	1,401
Wayne	400.2	360.8	442.9	383	464.3	401.6	534.1	206	360	307.6	419.3	177
Weakley	401.8	373.3	432	753	474.1	427.6	524.4	389	357.2	320.4	397.3	364

# CANCER IN TENNESSEE: 2003-2007

Table 5. Continued

County	BOTH SEXES				MALES				FEMALES			
	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count
<b>ALL RACES</b>												
White	539.2	501.6	578.9	784	661.4	599.2	728.4	439	451.6	404.3	503.2	345
Williamson	460.9	444	478.3	3,087	557.8	527.5	589.3	1,600	398.9	378.2	420.3	1,487
Wilson	419.9	401.4	439.1	2,036	487.7	456.5	520.4	1,056	374.4	351	399	980
County	BOTH SEXES				MALES				FEMALES			
	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count
<b>WHITES</b>												
Tennessee	453.9	451.4	456.5	124,034	541.2	537	545.5	65,208	396.9	393.7	400.2	58,826
Anderson	463.9	443.7	484.8	2,046	576.1	542.1	611.7	1,096	392.7	367.3	419.4	950
Bedford	433.8	404.5	464.6	822	498.5	450.6	549.9	417	398.1	359.9	439.2	405
Benton	484.3	442.7	529	526	580.7	514	654.3	291	419.4	365.7	479.4	235
Bledsoe	339	295.5	387.3	230	426.6	350.4	514.1	130	286.5	232.3	350.1	100
Blount	444.8	428.6	461.5	2,877	527.1	500.3	554.9	1,513	387.6	367.1	409.1	1,364
Bradley	409.2	391	428.1	1,934	483.5	453.2	515.2	1,014	358.1	335.2	382.3	920
Campbell	502	474.1	531.2	1,243	633.5	584.9	685.1	691	416.4	381.6	453.7	552
Cannon	381.7	338	429.5	281	456.3	384.1	538.2	149	336	280.6	399.7	132
Carroll	541.7	506	579.4	893	616.3	560.3	676.6	456	506.6	458.4	558.8	437
Carter	346.3	326.7	366.8	1,191	402.8	370.8	436.9	610	310.3	285.1	337.2	581
Cheatham	422.3	391.3	455.2	728	512.7	459.8	569.8	393	355.3	317.7	396.1	335
Chester	307.5	269.6	349.4	241	325.6	268.1	391.9	115	302.7	251.3	362	126
Claiborne	508	475.1	542.6	908	583.4	530.4	640.3	475	454.8	412.4	500.5	433
Clay	349.4	298.9	406.6	178	410	331	503.6	100	292.9	230.2	368.5	78
Cocke	458.4	428.8	489.6	918	537.6	488.9	589.9	488	406.9	368.8	448	430
Coffee	477.4	452.1	503.7	1,353	580	538	624.5	730	410.8	378.6	445.1	623
Crockett	414.3	368.7	464.2	307	488.3	415.5	570.5	164	366.9	307.9	434.5	143
Cumberland	499.7	476.5	523.8	1,944	617.6	580.8	656.5	1,162	400	370.7	431.1	782
Davidson	474.5	465.2	483.8	10,146	565.9	550.1	581.9	5,115	420.7	409	432.6	5,031
Decatur	405.6	360.5	455.1	308	469.8	399.4	549.9	165	369.4	308.7	439.4	143
DeKalb	469.5	428.2	513.9	480	551.4	482.8	626.9	246	421.9	368.8	480.8	234
Dickson	503	473.9	533.6	1,127	590.2	541.4	642.2	584	447.8	410.7	487.4	543
Dyer	365	337.9	393.7	686	425.3	381.3	473	355	319.2	285.1	356.5	331
Fayette	231	205	259.6	296	252.1	210.5	299.4	145	222.2	187.8	261.5	151
Fentress	510.9	467.4	557.6	523	637	564.2	716.8	297	419.5	365.7	479.5	226
Franklin	407.6	381.7	435	936	504.4	460.7	551.2	515	343.7	311.1	379	421
Gibson	468.4	441.5	496.5	1,179	551.9	508.6	598	608	417.5	382.4	455.2	571
Giles	413.4	381.5	447.5	634	483.5	430.9	540.8	329	367.3	326.3	412.4	305
Grainger	507	467.4	549.1	630	591.4	526.5	662.2	337	448.3	397.9	503.7	293
Greene	443.2	422.3	464.9	1,729	504	469.9	539.9	862	405.3	378.3	433.8	867
Grundy	470.6	424.6	520.5	392	544.7	472.3	625.2	212	418.1	357.8	485.8	180
Hamblen	445	422.2	468.8	1,453	542.8	503.6	584.3	764	389.9	360.8	420.7	689
Hamilton	490	478.6	501.6	7,213	594.2	575.1	613.7	3,799	422.8	408.4	437.6	3,414
Hancock	360.2	303	425.6	143	385.3	297.5	491.6	69	359	280.1	454.2	74
Hardeman	391.7	353.9	432.8	402	453.7	395.3	518.8	224	350.6	298.9	409.2	178
Hardin	375.8	345.9	407.7	605	421.1	374.1	472.6	311	350.1	310.3	394	294
Hawkins	407.3	385.4	430.3	1,320	499.6	462.3	539.1	719	347.8	320.1	377.3	601

# CANCER IN TENNESSEE: 2003-2007

Table 5. Continued

County	BOTH SEXES				MALES				FEMALES			
	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count
<b>WHITES</b>												
Haywood	337.9	292.3	389.1	202	449.5	368.9	542.9	114	257.2	203.8	321.4	88
Henderson	424.6	390.9	460.6	591	505.2	449.2	566.4	310	372.9	330.1	420.1	281
Henry	438.1	408.7	469.2	859	517.8	470.6	568.8	465	383.1	344.8	424.7	394
Hickman	454.7	416.9	495	543	542.7	480.9	610.2	302	388.1	340.2	441.1	241
Houston	418.1	362.3	480.6	207	512	422.3	616	117	349.1	278.6	432.9	90
Humphreys	554.6	510.5	601.8	598	587.3	520.3	660.8	297	534.7	474.8	600.5	301
Jackson	399.4	352.9	450.7	275	514.6	436.8	602.9	167	305.7	249.7	371.3	108
Jefferson	538.8	510.9	567.9	1,432	631.8	586.1	680.2	774	472.2	436.3	510.3	658
Johnson	378.2	342.4	416.9	423	403.1	350.1	462.2	217	363	313.7	418.5	206
Knox	474.2	464.7	484	9,428	583.3	566.8	600.1	4,979	404.5	392.6	416.7	4,449
Lake	405.2	337.5	483.4	130	483.9	375.4	614.8	70	376.1	281.5	494.5	60
Lauderdale	425.5	385.5	468.6	426	525.3	458.3	599.3	234	359.6	309.2	416.2	192
Lawrence	509.1	480.1	539.4	1,172	618.5	570.1	670	623	438.3	401.7	477.5	549
Lewis	407.7	359.1	461.2	261	525.6	442.3	620.1	153	320.3	262	388.2	108
Lincoln	372.1	344.4	401.5	680	441.9	396.8	490.9	363	322.6	287.3	361.3	317
Loudon	500.2	474.1	527.4	1,454	599.8	557	645.3	804	428.1	394.7	463.9	650
McMinn	400.4	377.4	424.6	1,149	494	455.3	535.1	634	335.3	306.5	366.2	515
McNairy	461.3	426.8	497.9	688	498.7	446.2	556	344	444	396.7	495.5	344
Macon	451.7	412.5	493.7	497	572.2	504.7	646.2	276	373.1	325	426.5	221
Madison	430.3	409.1	452.4	1,553	517.1	481.8	554.3	818	369.6	343	397.9	735
Marion	466.2	432	502.4	718	538.6	481.3	600.8	369	423.4	379.5	471.3	349
Marshall	525.6	487.6	565.8	720	646.2	582	715.4	389	436.9	390.6	487.3	331
Maury	475.1	452.1	499	1,618	555.8	517.3	596.3	822	429.3	399.8	460.5	796
Meigs	525.1	468.6	586.6	331	592.5	502	694.8	175	480.2	406.5	563.8	156
Monroe	442.8	416	470.8	1,048	528.6	484.9	575.2	571	378.7	345	414.9	477
Montgomery	430.7	411.8	450.2	2,015	485.7	454.5	518.3	998	399.2	374.9	424.6	1,017
Moore	222.4	174.9	279.4	77	264.7	190.8	359.4	44	182.9	124.7	260.2	33
Morgan	562.8	518.3	610.3	603	685.4	610.8	766.6	333	489.7	432.4	552.9	270
Obion	447.4	416.6	480.1	803	553.8	502.5	609	445	374.9	336	417.3	358
Overton	426.9	390.9	465.5	533	527.5	468	592.6	300	354.5	309.5	404.5	233
Perry	514.1	450.6	584.5	246	524	428.6	635	113	526.2	437.9	628.2	133
Pickett	497.8	423.6	582.5	172	626.5	507.2	768.1	104	403.5	308.5	520.6	68
Polk	432.5	391.4	477	418	470.6	407.4	541.1	213	404.8	350.4	465.7	205
Putnam	563.6	538.9	589.3	1,976	691.9	651	734.7	1,091	465.6	434.9	497.9	885
Rhea	581.4	544.9	619.7	974	647.3	590.1	708.7	499	535.9	487.8	587.7	475
Roane	466.6	443.3	490.9	1,549	550.9	512.8	591.3	820	413.7	383.4	445.9	729
Robertson	456	430.4	482.8	1,209	526.5	484.5	571	629	404.3	371.9	438.7	580
Rutherford	439.6	424.5	455.2	3,366	510.4	484.9	536.7	1,721	390.9	372	410.6	1,645
Scott	447.4	408.7	488.9	503	520.2	456.3	590.2	259	401.9	352.6	456.4	244
Sequatchie	407.8	360.6	459.5	278	494.1	415.1	583.5	150	351	292.2	418.5	128
Sevier	501.1	480.3	522.5	2,265	606.2	571.4	642.6	1,231	425.1	399.3	452.2	1,034
Shelby	425.1	416.8	433.6	10,043	510.1	495.8	524.8	5,089	375.7	365.1	386.5	4,954
Smith	402.8	363.6	445.3	390	483.2	417.6	556.1	203	355.4	305.8	411	187
Stewart	474.3	425.2	527.7	348	550.2	473.2	636.4	192	418	354.3	490.4	156
Sullivan	471.9	458.2	486.1	4,569	558.8	536.1	582.1	2,382	414.7	397.1	433	2,187
Sumner	465.9	449.7	482.6	3,216	573.9	545.7	603.1	1,727	393.4	373.5	414.1	1,489
Tipton	438.3	410.2	467.8	948	511.5	465.1	561.3	504	382.8	347.7	420.5	444
Trousdale	384.2	323.7	453.1	146	477.6	378.5	595.2	84	303.2	231.5	391.1	62

# CANCER IN TENNESSEE: 2003-2007

Table 5. Continued

County	BOTH SEXES				MALES				FEMALES			
	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count
<b>WHITES</b>												
Unicoi	411.7	375.6	450.7	493	493.8	434.5	559.4	259	361.5	315	413.5	234
Union	420.3	379.9	463.9	411	535.5	463.4	615.4	230	346.3	297.4	401.2	181
Van Buren	347	284.5	419.9	111	383	288.7	499.4	59	315.5	234.1	417.7	52
Warren	462.1	433.6	492	988	513	468	561.2	491	431.3	393.8	471.6	497
Washington	463.1	446.1	480.5	2,857	548.8	520.8	577.9	1,488	409.4	387.6	432.1	1,369
Wayne	409.6	368.9	453.7	380	476.4	411.8	548.3	204	362.5	309.6	422.4	176
Weakley	394.8	365.7	425.7	699	464.8	417.6	516	363	349.8	312.2	390.8	336
White	531	493.4	570.9	757	656.4	593.9	723.9	428	439.2	392.1	490.7	329
Williamson	455.4	438	473.3	2,870	546.2	515.4	578.3	1,480	397.2	376	419.4	1,390
Wilson	417.7	398.6	437.5	1,895	481	449.1	514.6	980	375.1	350.9	400.6	915

County	BOTH SEXES				MALES				FEMALES			
	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count
<b>BLACKS</b>												
Tennessee	466.8	459.7	473.9	17,625	584.8	571.9	598	8,786	396	387.7	404.5	8,839
Anderson	540.3	416.8	687.4	67	939.8	674.7	1,266.3	45	303.9	189.8	460.1	22
Bedford	357	272.6	459.1	61	459	314.3	645.5	34	276.9	182	405	27
Benton	^	^	^	^	^	^	^	^	^	^	^	^
Bledsoe	^	^	^	^	^	^	^	^	0	0	5,519.3	0
Blount	441.4	339.4	563.5	67	560.5	374.9	798.8	33	383.2	263.7	538.2	34
Bradley	243.5	170.2	336.5	38	203.5	114.3	336.6	16	264.9	164.3	402.2	22
Campbell	^	^	^	^	^	^	^	^	^	^	^	^
Cannon	799.4	382	1,550.1	11	^	^	^	^	^	^	^	^
Carroll	530.7	424.6	655.7	87	645.2	467.4	867.3	44	482.7	347.9	653.5	43
Carter	^	^	^	^	^	^	^	^	^	^	^	^
Cheatham	406.9	204.9	725.5	12	^	^	^	^	^	^	^	^
Chester	313.5	189.7	484.1	20	373.8	181.9	671.2	11	^	^	^	^
Claiborne	^	^	^	^	^	^	^	^	0	0	618.8	0
Clay	^	^	^	^	^	^	^	^	^	^	^	^
Cocke	353.4	181.8	616.2	12	^	^	^	^	^	^	^	^
Coffee	430.1	295.4	603.1	34	500.3	290.8	802.2	18	350	198.8	570.4	16
Crockett	503.5	373.8	663.7	52	753.8	507.9	1,073.3	31	341.8	209.7	529.4	21
Cumberland	^	^	^	^	^	^	^	^	0	0	4,799.1	0
Davidson	488.4	469.6	507.7	2,724	594.4	559.8	630.4	1,308	429.4	406.8	452.8	1,416
Decatur	^	^	^	^	^	^	^	^	^	^	^	^
DeKalb	991.7	502	1,738.0	12	^	^	^	^	^	^	^	^
Dickson	618.7	455.8	817.7	51	804.1	514.7	1,183.1	28	490.9	308.5	739.1	23
Dyer	403.9	314.2	509.5	76	552.9	374.8	778.5	37	324.8	227.2	448.6	39
Fayette	335.3	286.3	390.1	169	445.4	358.8	545.7	94	257.2	201.8	322.9	75
Fentress	^	^	^	^	^	^	^	^	^	^	^	^
Franklin	417	304.1	557.7	46	746.9	455.3	1,134.7	25	312.9	192.9	481.3	21
Gibson	471.4	411.1	538.1	222	600.7	495.6	720.9	118	382	311.6	463.6	104
Giles	423.8	334.3	530.3	79	507.6	358.9	696.2	40	369	260.2	509.4	39
Grainger	^	^	^	^	^	^	^	^	^	^	^	^
Greene	492	332.1	699.6	31	696.4	400.9	1,113.1	18	350.1	186.1	599.7	13

# CANCER IN TENNESSEE: 2003-2007

Table 5. Continued

County	BOTH SEXES				MALES				FEMALES			
	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count
<b>BLACKS</b>												
Grundy	0	0	3,348.1	0	0	0	9,970.2	0	0	0	3,502.2	0
Hamblen	454.6	341.9	592.1	57	512.4	332.9	751.8	28	394	262.3	569.7	29
Hamilton	473.8	448.3	500.2	1,332	619.6	572.7	669.2	698	381.5	352.1	412.6	634
Hancock	0	0	6,436.3	0	0	0	8,642.4	0	0	0	10,545.	0
Hardeman	468.3	403.6	539.8	198	585.5	471.4	716.6	103	396.1	319.6	484.9	95
Hardin	414.9	248.9	649.9	20	^	^	^	^	365.6	181	670.7	11
Hawkins	218.4	104	407.1	10	507.8	243.3	936.6	10	0	0	174.4	0
Haywood	387.4	330.5	451.1	169	555.8	447.3	681.5	95	278.6	218.3	350.4	74
Henderson	355	246.7	494.3	36	356.9	190.9	601	14	377.2	234.6	576.6	22
Henry	500.4	394.5	626.7	77	625.6	441.5	859.3	38	444.3	314.7	611.5	39
Hickman	485.4	266.5	806.8	17	773.8	303.7	1,548.6	11	^	^	^	^
Houston	^	^	^	^	^	^	^	^	^	^	^	^
Humphreys	485.4	241.2	860.2	12	^	^	^	^	^	^	^	^
Jackson	0	0	8,542.4	0	0	0	8,832.4	0	0	0	4,753.4	0
Jefferson	562.9	375.1	810.3	29	834.2	475.1	1,346.2	17	374.2	186.2	675.4	12
Johnson	^	^	^	^	^	^	^	^	0	0	7,090.5	0
Knox	462.5	427.1	499.9	659	612.7	545.7	685.3	344	370.9	330.7	414.5	315
Lake	293.5	177.1	453.8	21	^	^	^	^	339.7	172.9	601.7	12
Lauderdale	396.4	330.1	471.2	132	489.8	373.8	627.2	65	355.6	274.4	452.6	67
Lawrence	455.9	228.7	802.2	12	^	^	^	^	^	^	^	^
Lewis	^	^	^	^	^	^	^	^	0	0	1,294.5	0
Lincoln	502.3	384.2	645.5	62	639.1	441.5	896.7	35	368.4	240.7	541.5	27
Loudon	703.1	386.4	1,166.3	16	^	^	^	^	^	^	^	^
McMinn	316.6	218.7	442.6	34	444	273	680.4	21	220.7	117	377.6	13
McNairy	539.9	380.5	742	38	703.8	435.1	1,073.1	22	403.4	229.9	655.5	16
Macon	^	^	^	^	^	^	^	^	^	^	^	^
Madison	486.5	446.4	529	574	620	546.5	699.8	288	404.6	358.2	455.1	286
Marion	557.6	388.2	777.9	36	614.1	353.3	997.2	17	513.4	303.4	818	19
Marshall	491.6	362.1	651.2	49	499.5	289.7	793.2	20	488.1	326.3	702	29
Mauzy	495.3	433.4	563.3	238	728.6	605.9	867.8	136	361.1	293.8	439.2	102
Meigs	^	^	^	^	^	^	^	^	0	0	1,404.9	0
Monroe	473.4	301.7	710.3	24	564.3	294.7	986.9	13	370.2	182.4	682.8	11
Montgomery	475.8	425.7	529.8	377	621.9	526.9	727.2	194	392.4	334.6	456.7	183
Moore	^	^	^	^	^	^	^	^	^	^	^	^
Morgan	^	^	^	^	^	^	^	^	^	^	^	^
Obion	410.6	312.7	528.6	60	516.9	348.5	735.3	31	334.9	223.7	481.8	29
Overton	^	^	^	^	0	0	3,008.1	0	^	^	^	^
Perry	^	^	^	^	^	^	^	^	0	0	1,305.8	0
Pickett	^	^	^	^	^	^	^	^	^	^	^	^
Polk	^	^	^	^	^	^	^	^	0	0	4,303.8	0
Putnam	387.7	223.1	621.3	17	^	^	^	^	420.5	199.7	779	10
Rhea	759.6	473.5	1,152.2	22	911.6	463.9	1,607.4	12	678.6	321.3	1,248.7	10
Roane	394.1	271.9	555.4	34	487.2	260.7	823.8	15	379.9	227.2	604.4	19
Robertson	549.7	456	656.8	122	650.1	497.1	834	63	469.1	356.4	605.8	59
Rutherford	571.1	511.3	635.5	371	723.7	616.3	843	195	470.2	400.6	547.7	176
Scott	^	^	^	^	^	^	^	^	0	0	10,547.	0
Sequatchie	0	0	10,967.	0	0	0	5,803.4	0	0	0	16,029.	0
Sevier	^	^	^	^	^	^	^	^	^	^	^	^



# CANCER IN TENNESSEE: 2003-2007

Table 5. Continued

County	BOTH SEXES				MALES				FEMALES			
	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count
<b>BLACKS</b>												
Shelby	467.6	456.9	478.5	7,890	571.8	552.1	591.9	3,766	407.1	394.4	420	4,124
Smith	^	^	^	^	^	^	^	^	^	^	^	^
Stewart	^	^	^	^	^	^	^	^	^	^	^	^
Sullivan	388.2	294	503	58	516.8	346.8	738	32	317.9	206.4	468.9	26
Sumner	463.7	391.9	544.2	158	629.9	499.2	782.4	93	347.9	267.1	444.3	65
Tipton	467.2	404.6	536.5	204	590.6	476.8	721.6	100	400.3	326.6	485.3	104
Trousdale	340.4	200.7	549.3	19	^	^	^	^	324.8	154.3	634.8	11
Unicoi	0	0	5,034.3	0	0	0	4,705.7	0	0	0	9,628.7	0
Union	^	^	^	^	0	0	8,082.5	0	^	^	^	^
Van Buren	0	0	5,707.9	0	0	0	6,388.9	0	0	0	3,666.3	0
Warren	476.2	319.4	682.8	31	788.7	437.2	1,291.1	19	335.3	166	602.5	12
Washington	290	215.2	381.2	53	385.8	259.5	550.2	34	192.5	115.1	300.8	19
Wayne	^	^	^	^	^	^	^	^	^	^	^	^
Weakley	521.8	380.7	696.4	47	685.8	421.3	1,042.9	22	495.4	316	736.5	25
White	819.4	497.9	1,283.1	20	^	^	^	^	903.8	464.3	1,639.7	12
Williamson	508.6	432.7	593.9	171	687.9	548.3	850.7	96	381.3	298.2	480.6	75
Wilson	465.1	385.4	555.8	128	607.6	461	783	69	382.1	289.2	494.8	59

Note: ^ Due to concerns regarding privacy, statistics were suppressed when there were 1-9 reported cases.

# CANCER IN TENNESSEE: 2003-2007

**Table 6.** All Cancer Sites Combined. Annual Death Counts, Age-Adjusted Mortality Rates per 100,000 Population, and 95% Confidence Intervals (CI), by Year, Sex and Race, Tennessee, 2003-2007.

	BOTH SEXES				MALES				FEMALES			
	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count
<b>ALL RACES</b>												
<b>2003-2007</b>	207.4	205.8	209	64,240	270.9	267.9	273.8	34,439	167	165.1	168.9	29,801
<b>2003</b>	212.2	208.5	215.9	12,594	275.4	268.6	282.3	6,664	172.1	167.7	176.6	5,930
<b>2004</b>	207.7	204.1	211.4	12,557	269.7	263	276.4	6,685	168.1	163.8	172.5	5,872
<b>2005</b>	209.7	206	213.3	12,970	271.3	264.8	278	6,907	170.5	166.2	174.9	6,063
<b>2006</b>	205	201.4	208.6	13,007	269.1	262.6	275.7	7,008	164.7	160.5	168.9	5,999
<b>2007</b>	202.8	199.3	206.3	13,112	268.9	262.5	275.4	7,175	160	155.9	164.2	5,937
<b>WHITES</b>												
<b>2003-2007</b>	201.3	199.6	203	54,761	262.2	259.1	265.3	29,551	161.9	159.9	163.9	25,210
<b>2003</b>	206.1	202.2	210.1	10,764	266.9	259.9	274.2	5,735	167	162.4	171.7	5,029
<b>2004</b>	202	198.1	205.8	10,738	261.6	254.6	268.6	5,749	163.4	158.8	168	4,989
<b>2005</b>	202.4	198.6	206.2	10,990	260.2	253.4	267.2	5,871	165.2	160.7	169.8	5,119
<b>2006</b>	198.3	194.6	202	11,049	260.7	253.9	267.5	6,015	158.4	154	162.8	5,034
<b>2007</b>	198	194.3	201.7	11,220	261.7	255	268.5	6,181	156.2	151.8	160.6	5,039
<b>BLACKS</b>												
<b>2003-2007</b>	260.4	255	265.9	9,188	355	344.3	365.9	4,742	207.1	200.9	213.3	4,446
<b>2003</b>	264.6	252.3	277.4	1,787	359.2	335	384.5	909	211.5	197.6	226.1	878
<b>2004</b>	257	244.9	269.5	1,769	346.6	323.1	371.1	910	205.4	191.7	219.8	859
<b>2005</b>	271.2	258.9	284	1,908	373	348.7	398.5	994	213.4	199.6	227.9	914
<b>2006</b>	264.5	252.4	276.9	1,897	356.4	332.7	381.2	966	214.1	200.4	228.5	931
<b>2007</b>	244.7	233.2	256.5	1,827	339.5	316.7	363.4	963	191	178.2	204.4	864

# CANCER IN TENNESSEE: 2003-2007

**Table 7.** All Cancer Sites Combined. Five-Year Death Counts, Average Annual Age-Specific Mortality Rates per 100,000 Population and 95% Confidence Intervals (CI) for All Races Combined, by Age and Sex, 2003-2007, Tennessee.

Age at Diagnosis	BOTH SEXES				MALES				FEMALES			
	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count
0	^	^	^	^	^	^	^	^	^	^	^	^
01-04	2.5	1.8	3.4	39	2.7	1.7	4.1	22	2.2	1.3	3.6	17
05-09	2.1	1.5	2.9	41	1.8	1.1	2.9	18	2.4	1.5	3.7	23
10-14	3.0	2.3	3.8	60	3.0	2.0	4.3	31	3.0	2.0	4.3	29
15-19	2.9	2.2	3.7	60	3.0	2.1	4.3	32	2.8	1.9	4.0	28
20-24	4.7	3.8	5.8	95	4.6	3.4	6.1	47	4.8	3.6	6.4	48
25-29	7.8	6.6	9.1	155	8.3	6.6	10.3	83	7.3	5.7	9.2	72
30-34	12.8	11.3	14.4	264	10.0	8.2	12.2	104	15.5	13.2	18.1	160
35-39	25.9	23.8	28.2	549	21.3	18.6	24.3	225	30.5	27.2	34.0	324
40-44	55.9	52.8	59.0	1,268	52.7	48.5	57.1	589	59.0	54.6	63.6	679
45-49	106.7	102.5	111.0	2,417	109.4	103.4	115.8	1,211	104.0	98.3	110.1	1,206
50-54	188.9	183.1	194.9	3,944	214.0	205.1	223.2	2,175	165.1	157.5	173.0	1,769
55-59	320.8	312.6	329.2	5,812	377.3	364.6	390.4	3,315	267.6	257.2	278.3	2,497
60-64	498.0	486.5	509.7	7,116	602.4	584.1	621.1	4,113	402.4	388.2	417.1	3,003
65-69	730.1	714.4	745.9	8,282	889.5	864.2	915.3	4,689	591.7	572.5	611.3	3,593
70-74	970.7	950.6	991.2	8,829	1255.8	1221.4	1291.0	5,038	745.7	722.2	769.8	3,791
75-79	1285.9	1260.0	1312.1	9,394	1757.0	1709.5	1805.3	5,204	964.6	935.7	994.3	4,190
80-84	1542.4	1509.1	1576.3	8,120	2254.2	2186.5	2323.4	4,199	1152.7	1116.9	1189.3	3,921
85+	1659.2	1622.6	1696.5	7,788	2678.4	2588.4	2770.8	3,343	1290.0	1252.4	1328.5	4,445

Note: ^ Due to concerns regarding privacy, statistics were suppressed when there were 1-9 reported cases.

# CANCER IN TENNESSEE: 2003-2007

**Table 8.** All Cancer Sites Combined. Five-Year Death Counts, Average Annual Age-Adjusted Mortality Rates per 100,000 Population, and 95% Confidence Intervals (CI), by County, Sex, and Race, Tennessee, 2003-2007.

County	BOTH SEXES				MALES				FEMALES			
	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count
<b>ALL RACES</b>												
Tennessee	207.4	205.8	209	64,240	270.9	267.9	273.8	34,439	167	165.1	168.9	29,801
Anderson	202.2	189.5	215.5	971	271.7	248.8	296.2	529	160.1	145.2	176.3	442
Bedford	223.2	203.1	244.8	457	307.9	270.8	348.5	264	164.4	141.8	189.6	193
Benton	225.2	198.3	255.2	261	290.2	244.2	343	149	178.5	146.1	216.8	112
Bledsoe	167.6	136.7	203.4	109	233.3	175.3	303.1	65	128	92.6	173.1	44
Blount	188	177.6	198.7	1,257	252.8	234	272.7	704	144.1	132.2	156.9	553
Bradley	196.1	183.7	209.2	939	264.7	241.5	289.5	525	151.6	137.2	167.1	414
Campbell	228.8	210.3	248.5	578	320.8	285.5	359.3	337	169.8	148.7	193.4	241
Cannon	179.1	149.9	212.4	135	266	208.8	333.7	80	124.8	93.8	163.6	55
Carroll	231.4	210.2	254.4	447	325.1	286.5	367.7	261	169.5	145	197.2	186
Carter	210.9	195.9	226.8	739	274.3	247.1	303.7	393	170.9	153.1	190.4	346
Cheatham	205.2	183.3	229	340	279	238.8	323.5	201	149.8	125.5	177.3	139
Chester	182.7	155.3	213.7	159	201.1	156.8	253.8	72	176.2	140.7	218.6	87
Claiborne	239.9	217.5	264.1	428	306.6	266.3	351.3	228	198.2	171.4	228.2	200
Clay	223.7	183.8	270.3	113	254.6	190.6	333.9	58	199.7	149.9	262.3	55
Cocke	224.9	204.5	246.9	457	308.7	270.8	350.3	267	169.1	145.7	195.3	190
Coffee	211.6	195.3	229	628	267.7	239.2	298.5	336	174.7	155	196.4	292
Crockett	203.3	174.3	236	179	302.4	248.5	364.7	112	133.3	102.4	171.2	67
Cumberland	183.4	169.9	197.9	734	237.3	214.5	262.1	435	140.3	124.2	158.2	299
Davidson	204	198.6	209.5	5,515	264.4	254.4	274.6	2,808	167.6	161.3	174.1	2,707
Decatur	223.4	191.3	259.8	177	286.9	233.1	350.3	102	174.1	135.6	221.3	75
DeKalb	213.2	186.1	243.3	225	277.3	228.7	333.1	122	175.3	142.7	213.5	103
Dickson	220.9	201.8	241.2	503	291	255.9	329.4	275	176	153.8	200.6	228
Dyer	214.5	194.9	235.5	446	274.6	239.8	313.1	234	173.7	150.7	199.3	212
Fayette	212.8	191.5	235.8	373	275	237	317.1	203	172.8	147.6	201.2	170
Fentress	243.3	213.5	276.3	247	334.6	280.7	395.7	146	177.4	144.1	216.7	101
Franklin	194.2	177	212.6	474	239.8	210.1	272.6	247	167.8	146.4	191.6	227
Gibson	235.8	218.9	253.7	740	327.3	296.6	360.4	420	174.5	155.2	195.8	320
Giles	209.9	188.8	232.8	367	280.8	242.2	323.8	204	160	135.9	187.5	163
Grainger	244.9	217	275.4	292	329	276.9	387.6	164	191.3	159.3	228.2	128
Greene	227.5	212.8	243	902	279.7	254	307.2	467	194.7	176.6	214.4	435
Grundy	209.8	179.8	243.5	178	263.8	213.8	322.1	101	166.8	131	209.8	77
Hamblen	217.1	201.5	233.6	730	297.6	268	329.4	402	168.1	150.2	187.7	328
Hamilton	198.2	191.7	204.8	3,554	270.3	258.2	283	1,929	154.7	147.1	162.5	1,625
Hancock	209.5	167.1	259.9	85	250.3	178	342.1	41	197.5	142.9	267.7	44
Hardeman	205.1	182.5	229.8	300	262.6	224	305.9	170	164.5	137.1	196	130
Hardin	200	179	222.9	338	254.6	218.2	295.6	186	165.4	139.7	194.9	152
Hawkins	199.4	184.2	215.6	651	281.1	252.3	312.2	380	147.4	130.1	166.4	271
Haywood	205.8	179.1	235.4	216	282.1	231.9	339.8	114	161.9	131.4	197.7	102
Henderson	215.4	192.3	240.5	320	295.7	253.2	343.1	183	162	135.7	192.1	137
Henry	212.3	193.4	232.7	470	270.6	237.6	307.1	253	175.3	152.2	201.4	217
Hickman	218.8	193.1	246.9	267	291.9	245.5	344.1	156	168.4	138.2	203.5	111
Houston	235	194.7	281.7	122	315.2	245.7	398.9	72	175.9	129.9	234.6	50
Humphreys	232.9	205.1	263.5	259	295.2	247.2	350	142	185.4	153	223.4	117

# CANCER IN TENNESSEE: 2003-2007

Table 8. Continued

County	BOTH SEXES				MALES				FEMALES			
	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count
<b>ALL RACES</b>												
Jackson	206.1	173.5	243.5	145	275	217.8	343.3	87	153.3	115.8	200.3	58
Jefferson	221.2	203.5	240	592	286.9	254.8	321.8	324	180.6	159.3	204	268
Johnson	219.1	192.5	248.7	250	251.3	209.4	299.4	132	191.4	157.7	231.1	118
Knox	193.4	187.5	199.4	4,128	246.6	235.8	257.6	2,105	161.4	154.3	168.6	2,023
Lake	261.6	214	316.9	106	298	221.5	392	53	248.5	184.6	329.7	53
Lauderdale	234	208.7	261.5	317	305.6	260.1	356.3	169	194.2	163.6	229	148
Lawrence	217.7	199.3	237.4	519	302.7	268.4	340	295	163.4	142.3	186.9	224
Lewis	232.9	196.8	273.9	151	299	236.9	372.3	87	177.4	136.4	227.7	64
Lincoln	216.9	196.9	238.6	434	294	257.9	333.8	248	158.2	135.9	183.5	186
Loudon	197.6	181.4	214.9	572	251.5	222.2	283.6	303	164.3	144.8	186.1	269
McMinn	216.4	200	233.8	652	295.7	265.4	328.5	370	165.3	146.3	186.2	282
McNairy	215.6	193.3	239.9	348	276.4	237.5	320	189	174.8	148	205.4	159
Macon	247.3	218.6	278.7	274	322.4	270.5	381	149	202.4	168	242	125
Madison	198.7	186.2	211.8	951	250.5	228.3	274.1	486	165.7	150.8	181.7	465
Marion	237	213.2	262.8	375	303.5	259.6	352.6	201	195.3	167.2	227.2	174
Marshall	230.5	206.3	256.8	335	302.1	258.6	350.7	182	184.6	156.2	216.8	153
Maury	208.5	194.1	223.5	796	275.2	248.9	303.4	426	167.1	150.5	185.2	370
Meigs	178.3	146	215.8	112	210	154	278.9	59	162.4	121.2	213.5	53
Monroe	212.6	194.3	232.2	507	275.2	243.1	310.3	282	168.1	146.6	192	225
Montgomery	200.9	188.7	213.6	1,053	262.6	240	286.6	568	161	146.9	176.1	485
Moore	135	99.9	179.3	50	128	77.7	199.5	21	139.1	92.1	203.9	29
Morgan	231.7	203.3	263	246	301	250.1	358.8	136	186.7	153.2	225.8	110
Obion	212.5	192.7	233.9	428	280.6	245.2	319.7	236	165.6	142.5	191.7	192
Overton	250.1	223	279.8	315	326.3	279.2	379.2	180	191.7	160.3	228	135
Perry	270.5	225.6	322.4	131	352.5	272	449.3	71	220.7	167.2	287.7	60
Pickett	195.3	150.8	250.4	68	281.9	201	386.7	43	135.2	85.8	206.3	25
Polk	252.5	221.4	286.9	243	325.1	271.1	386.9	139	196.6	160.2	239.4	104
Putnam	211.1	196.4	226.7	764	267.1	241.4	294.7	408	172.8	155	192.1	356
Rhea	216.8	195	240.5	369	314.2	273.3	359.4	228	145	121.6	171.7	141
Roane	220.2	204.7	236.6	763	281.1	253.6	310.8	409	181.2	162.5	201.7	354
Robertson	221.6	204.3	240	617	280.9	250.1	314.2	333	180.3	159.8	202.6	284
Rutherford	195.3	185.3	205.7	1,520	243.6	225.8	262.3	803	163.7	151.8	176.3	717
Scott	230.4	202.8	260.6	259	301.1	251.9	356.8	145	180.8	148.9	217.8	114
Sequatchie	208.3	174.9	246.3	141	299.4	238.3	371.2	89	138.3	102.9	182.3	52
Sevier	197	184	210.8	879	244.6	221.8	269	468	164.4	148.8	181.4	411
Shelby	214.8	210.2	219.5	8,476	275.8	267.1	284.6	4,215	180.4	175	186	4,261
Smith	226.4	197.4	258.4	223	279	229.5	335.8	116	191.6	156.5	232.4	107
Stewart	198.7	167.8	233.8	149	240.4	189.3	301.1	81	165.5	128.2	210.9	68
Sullivan	206.2	197.3	215.3	2,077	264.6	249	281.1	1,109	167.4	156.8	178.5	968
Sumner	201.6	191	212.6	1,405	263.3	243.9	283.9	761	160.8	148.5	173.8	644
Tipton	230.6	211.7	250.7	569	294	259.5	331.5	299	191.2	168.9	215.5	270
Trousdale	221.9	179.8	271.2	98	264.8	194.3	352.4	50	186.6	136.6	250.2	48
Unicoi	221	195.6	249.3	277	317.3	269.1	372	159	162	133.3	196	118
Union	214.8	185.4	247.5	200	304.3	247.4	369.7	119	154.9	122.8	193.1	81
Van Buren	199.5	152.8	256.7	63	219.5	148.7	313.1	33	178.5	120.1	257.7	30
Warren	214.8	195.9	235	479	284.2	250.5	321.1	268	167.6	145.5	192.3	211
Washington	198.5	187.7	209.7	1,286	268.6	248.9	289.4	717	153.5	141	167	569
Wayne	210.3	182	241.9	201	271.5	222.7	327.7	114	170.2	135.6	211.6	87



Table 8. Continued

County	BOTH SEXES				MALES				FEMALES			
	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count
<b>ALL RACES</b>												
Weakley	204.5	184.8	225.7	403	276.2	240.2	316.1	216	165.1	141.7	191.6	187
White	219.9	196.2	245.8	319	290.1	247.5	337.9	178	175.9	147.7	208.3	141
Williamson	178.2	167	190	1,019	235.6	213.8	258.7	538	145	132.1	158.9	481
Wilson	201.4	188.1	215.3	904	267.3	242.4	293.9	505	157.7	142.4	174.2	399
<b>WHITES</b>												
Tennessee	201.3	199.6	203	54,761	262.2	259.1	265.3	29,551	161.9	159.9	163.9	25,210
Anderson	200.7	187.9	214.3	930	271.1	247.8	296.1	510	157.7	142.6	174.2	420
Bedford	225.2	204.1	247.9	421	310.5	271.3	353.5	241	167.9	144	194.7	180
Benton	228	200.6	258.5	259	293.4	246.7	347	148	181.2	148.1	220.5	111
Bledsoe	169.8	138.4	206.2	108	235.4	176.7	306.1	64	129.8	93.9	175.5	44
Blount	188.6	178.1	199.6	1,225	253.3	234.2	273.5	687	144.3	132.2	157.3	538
Bradley	198.3	185.6	211.7	917	269	245.2	294.4	515	152.2	137.6	168	402
Campbell	228.8	210.2	248.6	574	322.3	286.7	361	336	169.1	147.9	192.7	238
Cannon	178.8	149.4	212.4	132	261.9	204.7	329.7	77	127.3	95.7	166.9	55
Carroll	222.5	200.6	246.3	390	311.2	271.7	355.1	228	163	137.7	191.9	162
Carter	211.4	196.2	227.4	733	276.2	248.8	305.8	392	169.9	152.1	189.5	341
Cheatham	205.9	183.6	230	333	277.5	236.9	322.7	195	152.4	127.7	180.6	138
Chester	184.2	155.6	216.8	148	194.8	149.4	249.5	64	185.6	147.4	231.2	84
Claiborne	240.5	217.9	264.8	424	305.1	264.5	350	224	200.8	173.7	231.2	200
Clay	226.3	185.8	273.7	112	260.1	194.6	341.2	58	200.1	149.8	263.5	54
Cocke	224.9	204.2	247.1	447	305.9	267.9	347.9	259	171.2	147.4	198	188
Coffee	210.8	194.3	228.4	606	262.6	234.1	293.7	320	177.4	157.1	199.7	286
Crockett	180.9	151.8	214.3	140	271	217.1	334.6	89	117	86.3	155.9	51
Cumberland	183.7	170.1	198.2	731	237.7	214.9	262.7	434	140.3	124.2	158.3	297
Davidson	194.2	188.4	200.3	4,169	251.7	240.9	262.8	2,140	158.7	151.8	165.9	2,029
Decatur	225.4	192.6	262.7	173	289.9	234.9	354.7	100	175.6	136.2	224.1	73
DeKalb	213.3	186	243.7	221	275.2	226.4	331.3	119	176.7	143.7	215.5	102
Dickson	218.4	199.1	239.1	477	289.3	253.4	328.6	261	174	151.5	199.1	216
Dyer	204.4	184.4	226.1	388	263.9	228.3	303.5	206	165	141.5	191.6	182
Fayette	203.2	178.5	230.4	253	248.1	204.6	297.7	131	178.6	148	214	122
Fentress	244.4	214.4	277.5	247	336.9	282.6	398.6	146	178.1	144.6	217.5	101
Franklin	189.2	171.8	208	439	232.3	202.4	265.4	229	163.7	142	187.9	210
Gibson	224.8	206.9	243.9	602	307.4	275.3	342.3	337	170.4	149.5	193.7	265
Giles	204.2	182.2	228.3	318	280	238.9	326.2	179	153.9	128.9	182.9	139
Grainger	245	216.9	275.7	289	329.2	276.6	388.4	162	191.8	159.6	229	127
Greene	227.9	213	243.6	887	278.9	253.1	306.6	458	195.9	177.5	215.8	429
Grundy	210.3	180.2	244.2	177	263.3	213.1	321.8	100	168.3	132.2	211.7	77
Hamblen	218.3	202.3	235.2	704	297.9	267.7	330.4	386	170.7	152.3	191	318
Hamilton	190.4	183.5	197.6	2,865	257.4	244.5	270.8	1,556	149.3	141.2	157.9	1,309
Hancock	209	166.5	259.7	84	248.2	175.6	340.5	40	199.1	144.1	269.9	44
Hardeman	190.5	164.7	219.5	199	232.7	191.3	280.8	114	158	125.2	197.6	85
Hardin	201.1	179.7	224.5	329	255.2	218.2	296.9	181	166.5	140.2	196.7	148

# CANCER IN TENNESSEE: 2003-2007

Table 8. Continued

County	BOTH SEXES				MALES				FEMALES			
	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count
<b>WHITES</b>												
Hawkins	200.1	184.7	216.4	641	279.3	250.4	310.7	371	149.8	132.2	169.2	270
Haywood	203.9	169.7	243.6	127	284.3	219.1	362.9	68	158.2	118.7	208.3	59
Henderson	211.1	187.5	237	293	293.9	250.2	343	170	155.2	128.7	185.8	123
Henry	202.3	183.2	223.2	416	256.9	223.6	293.9	225	165.9	142.7	192.5	191
Hickman	220	193.8	248.8	259	295.4	247.7	349.3	151	169.2	138.5	205	108
Houston	232.8	192.1	280.2	117	318.8	247.6	404.9	70	170.9	124.8	230.1	47
Humphreys	234.1	205.9	265.3	253	292.3	244	347.7	137	189.5	156.2	228.5	116
Jackson	204.2	171.7	241.4	143	273.2	216.1	341.4	86	150.9	113.6	197.6	57
Jefferson	219.8	202	238.9	575	281.8	249.8	316.8	314	180.9	159.3	204.6	261
Johnson	220.5	193.6	250.3	249	252.4	210.2	300.9	131	192.9	158.9	232.9	118
Knox	190.1	184.1	196.3	3,767	241.1	230.1	252.4	1,919	159.3	152.1	166.9	1,848
Lake	259.9	207.4	322.9	86	287.7	205.8	392.3	42	251.6	180.3	345.4	44
Lauderdale	213.1	185.4	244	218	288.6	237.9	346.8	121	167.7	135.2	206.3	97
Lawrence	219	200.3	238.9	513	304.4	269.7	342.2	292	164.3	143	188.2	221
Lewis	236.3	199.7	277.9	151	303	240.1	377.3	87	180.2	138.5	231.4	64
Lincoln	211	190.6	233.2	394	291.6	254.5	332.7	230	149.6	127.2	175.2	164
Loudon	198.3	182	215.8	567	252.3	222.8	284.6	301	164.9	145.2	186.9	266
McMinn	212.4	195.8	230.1	614	291.5	260.7	324.8	350	161.4	142.3	182.6	264
McNairy	211.1	188.6	235.9	325	270.2	230.8	314.6	176	172.7	145.3	204.1	149
Macon	247.1	218.4	278.7	272	322.7	270.6	381.5	148	202	167.5	241.6	124
Madison	184.2	170.4	198.7	673	232.3	208.3	258.3	350	152	135.5	170	323
Marion	238.4	214	265	360	306.4	261	357.2	194	196.5	167.5	229.5	166
Marshall	232.3	207	259.8	312	305.7	260.5	356.3	172	183.4	153.9	217	140
Maury	202.6	187.6	218.5	679	259.4	232.4	288.6	357	167.1	149.3	186.6	322
Meigs	177.4	145	215.1	110	207.3	151.6	276	58	161.8	120.3	213.3	52
Monroe	212	193.5	231.8	492	271.7	239.5	307	272	169.3	147.4	193.7	220
Montgomery	195.9	183	209.6	868	250.3	226.8	275.4	470	159.1	143.8	175.6	398
Moore	136.8	100.9	182.2	49	132.1	80.2	205.9	21	139.7	91.8	206.1	28
Morgan	233.8	205.2	265.4	246	304.3	252.9	362.7	136	187.8	154.1	227.1	110
Obion	209.5	189.1	231.7	391	278.9	242.4	319.5	219	161.3	137.5	188.5	172
Overton	250.3	223.1	280.1	313	327.7	280.3	381	179	191.3	159.8	227.7	134
Perry	272.6	227.1	325.1	130	351.9	271.1	449.3	70	225	170.3	293.4	60
Pickett	193.5	149.1	248.5	67	282.6	201.5	387.6	43	130.9	82.2	201.5	24
Polk	253.8	222.5	288.4	243	326.5	272.2	388.4	139	197.7	161.1	240.8	104
Putnam	211.7	196.7	227.5	751	269.7	243.7	297.7	404	172	154.1	191.5	347
Rhea	217.1	195.1	241.1	361	313.7	272.4	359.5	223	145.9	122.1	173.2	138
Roane	222.1	206.3	238.9	747	283.6	255.6	313.9	402	182.5	163.5	203.4	345
Robertson	215.9	198	234.9	549	274.7	242.6	309.7	295	176.3	155.2	199.5	254
Rutherford	191.3	181	202.1	1,352	235.7	217.5	254.9	712	161.8	149.4	175	640
Scott	231.1	203.4	261.5	258	302.4	253	358.3	145	181	148.9	218.1	113
Sequatchie	208.3	174.8	246.4	140	300.4	239.2	372.4	89	136.8	101.5	180.8	51
Sevier	197.7	184.6	211.5	874	246.6	223.7	271.2	468	163.9	148.2	180.9	406
Shelby	179.1	173.6	184.6	4,207	224.4	214.6	234.6	2,061	153.6	147.1	160.3	2,146
Smith	226.4	197	259	216	285.3	234.5	343.6	115	187	151.8	228.2	101
Stewart	200.7	169.4	236.5	147	242.6	190.8	304.4	80	166.8	129	213.2	67
Sullivan	207	198.1	216.3	2,047	265.8	249.9	282.4	1,095	167.9	157.2	179.2	952
Sumner	200.2	189.4	211.5	1,324	261.1	241.2	282.1	717	159.9	147.3	173.3	607
Tipton	226.4	205.6	248.7	457	288.7	251.1	330.1	246	185.7	161.3	212.8	211

# CANCER IN TENNESSEE: 2003-2007

Table 8. Continued

County	BOTH SEXES				MALES				FEMALES			
	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count
<b>WHITES</b>												
Trousdale	220.7	175.7	274	85	265.7	190.5	360.4	44	184.4	131.3	253.1	41
Unicoi	220.9	195.4	249.2	276	317.8	269.6	372.6	159	161.1	132.5	195.2	117
Union	216	186.5	248.9	200	307	249.6	373.1	119	155.6	123.4	193.9	81
Van Buren	197	150.5	254	62	221.5	150.1	315.9	33	173.2	115.6	251.6	29
Warren	211.7	192.6	232.1	457	280.2	246.3	317.4	256	164.7	142.5	189.6	201
Washington	200.5	189.5	212	1,257	271.4	251.3	292.6	702	155.3	142.4	169.1	555
Wayne	213.6	184.8	245.9	200	274.9	225.4	332.1	113	172.2	137.2	214.1	87
Weakley	206	185.8	228.1	385	281.9	244.6	323.3	210	163.5	139.5	190.8	175
White	216.6	192.9	242.6	308	286.1	243.5	333.9	173	171.3	143.3	203.6	135
Williamson	170.8	159.5	182.7	914	224.1	202.2	247.5	480	140.1	127	154.2	434
Wilson	196.2	182.6	210.4	823	257.2	232	284.2	455	155.8	140.1	172.9	368
<b>BLACKS</b>												
Tennessee	260.4	255.0	265.9	9,188	355.0	344.3	365.9	4,742	207.1	200.9	213.3	4,446
Anderson	247.5	167.1	351.5	31	308.8	167.3	512.7	15	216.9	123.5	352.4	16
Bedford	198.5	136.2	279.1	33	270.6	163.0	420.6	20	132.8	70.0	229.9	13
Benton	^	^	^	^	^	^	^	^	^	^	^	^
Bledsoe	0.0	0.0	1247.0	0	0.0	0.0	988.4	0	0.0	0.0	5519.3	0
Blount	185.7	123.5	267.6	30	221.0	118.2	372.9	15	172.9	95.9	286.5	15
Bradley	136.4	83.1	210.0	21	144.9	64.1	276.5	10	126.8	62.8	226.9	11
Campbell	^	^	^	^	^	^	^	^	^	^	^	^
Cannon	^	^	^	^	^	^	^	^	0.0	0.0	1257.9	0
Carroll	331.4	250.0	431.6	56	474.9	323.8	670.9	32	245.7	156.3	370.5	24
Carter	^	^	^	^	^	^	^	^	^	^	^	^
Cheatham	^	^	^	^	^	^	^	^	0.0	0.0	305.3	0
Chester	168.2	82.7	300.9	11	^	^	^	^	^	^	^	^
Claiborne	^	^	^	^	^	^	^	^	0.0	0.0	618.8	0
Clay	^	^	^	^	0.0	0.0	1767.2	0	^	^	^	^
Cocke	275.0	130.4	509.2	10	^	^	^	^	^	^	^	^
Coffee	282.0	170.3	435.1	20	493.8	252.1	850.0	14	^	^	^	^
Crockett	374.6	264.2	515.7	39	571.7	359.5	858.6	23	242.2	135.0	405.1	16
Cumberland	0.0	0.0	2066.3	0	0.0	0.0	3508.8	0	0.0	0.0	4799.1	0
Davidson	257.0	242.8	271.7	1,304	342.3	314.3	372.0	643	211.6	195.4	228.6	661
Decatur	^	^	^	^	^	^	^	^	^	^	^	^
DeKalb	^	^	^	^	^	^	^	^	^	^	^	^
Dickson	328.4	210.6	484.1	26	396.8	203.3	681.6	14	263.9	133.4	463.4	12
Dyer	313.8	235.4	408.4	58	375.6	240.8	553.8	28	252.6	166.5	365.4	30
Fayette	239.2	197.8	286.5	119	347.3	270.3	438.4	71	163.7	120.2	217.8	48
Fentress	0.0	0.0	6758.7	0	0.0	0.0	5090.2	0	0.0	0.0	13900.0	0
Franklin	316.5	219.4	441.3	35	515.5	289.2	832.2	18	242.3	140.2	392.3	17
Gibson	288.9	242.0	342.1	136	439.2	347.7	546.5	82	189.2	141.5	248.0	54
Giles	250.9	183.4	335.4	47	296.5	187.5	445.3	24	200.9	125.6	307.4	23
Grainger	^	^	^	^	^	^	^	^	0.0	0.0	6437.3	0

# CANCER IN TENNESSEE: 2003-2007

Table 8. Continued

County	BOTH SEXES				MALES				FEMALES			
	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count
<b>BLACKS</b>												
Greene	201.2	105.8	344.8	13	^	^	^	^	^	^	^	^
Grundy	^	^	^	^	^	^	^	^	0.0	0.0	3502.2	0
Hamblen	213.2	137.9	313.9	26	310.4	170.2	514.6	16	130.2	61.9	243.1	10
Hamilton	241.6	223.3	260.8	667	348.9	312.1	388.5	358	183.7	163.5	205.6	309
Hancock	0.0	0.0	6436.3	0	0.0	0.0	8642.4	0	0.0	0.0	10545.0	0
Hardeman	254.9	206.5	310.3	101	375.0	279.9	488.5	56	187.9	136.3	251.9	45
Hardin	^	^	^	^	^	^	^	^	^	^	^	^
Hawkins	^	^	^	^	^	^	^	^	0.0	0.0	174.4	0
Haywood	209.8	168.0	258.5	89	291.6	212.1	389.2	46	166.0	119.6	224.1	43
Henderson	273.0	178.5	398.9	27	334.9	175.1	572.8	13	246.3	133.8	417.0	14
Henry	349.0	260.2	458.7	52	486.1	321.8	702.1	28	280.3	178.6	420.8	24
Hickman	^	^	^	^	^	^	^	^	^	^	^	^
Houston	^	^	^	^	^	^	^	^	^	^	^	^
Humphreys	^	^	^	^	^	^	^	^	^	^	^	^
Jackson	0.0	0.0	8542.4	0	0.0	0.0	8832.4	0	0.0	0.0	4753.4	0
Jefferson	289.9	160.2	480.7	15	^	^	^	^	^	^	^	^
Johnson	^	^	^	^	^	^	^	^	0.0	0.0	7090.5	0
Knox	256.0	229.0	285.1	338	363.7	309.1	424.5	177	195.7	166.4	228.6	161
Lake	311.0	186.0	482.4	20	406.1	185.2	748.7	11	^	^	^	^
Lauderdale	288.0	232.9	351.6	99	360.6	262.4	480.3	48	254.0	188.0	335.4	51
Lawrence	^	^	^	^	^	^	^	^	^	^	^	^
Lewis	0.0	0.0	570.5	0	0.0	0.0	1057.5	0	0.0	0.0	1294.5	0
Lincoln	322.4	228.5	442.0	39	376.8	218.7	601.9	18	274.4	167.7	426.3	21
Loudon	^	^	^	^	^	^	^	^	^	^	^	^
McMinn	330.4	229.5	459.4	35	435.1	257.2	683.2	19	262.3	148.5	428.5	16
McNairy	347.8	219.1	521.3	23	478.1	247.0	821.8	13	246.8	117.7	455.4	10
Macon	0.0	0.0	1828.3	0	0.0	0.0	2988.3	0	0.0	0.0	5460.8	0
Madison	240.8	212.5	271.6	276	309.1	256.7	368.1	136	202.8	169.9	239.8	140
Marion	222.6	123.5	373.0	15	^	^	^	^	^	^	^	^
Marshall	219.9	138.7	330.8	23	230.1	105.5	433.0	10	207.8	109.9	358.1	13
Maury	254.0	209.3	305.2	116	411.2	315.6	524.6	69	169.0	123.7	225.3	47
Meigs	^	^	^	^	^	^	^	^	^	^	^	^
Monroe	264.2	142.6	451.7	14	^	^	^	^	^	^	^	^
Montgomery	259.9	220.6	303.5	172	383.5	303.3	475.5	97	189.8	147.8	239.0	75
Moore	^	^	^	^	0.0	0.0	1465.4	0	^	^	^	^
Morgan	0.0	0.0	1205.2	0	0.0	0.0	2172.2	0	0.0	0.0	8430.8	0
Obion	236.0	163.9	328.3	35	282.8	158.9	459.8	16	208.1	124.4	327.1	19
Overton	0.0	0.0	1517.4	0	0.0	0.0	3008.1	0	0.0	0.0	3896.6	0
Perry	0.0	0.0	630.4	0	0.0	0.0	2026.3	0	0.0	0.0	1305.8	0
Pickett	0.0	0.0	10532.4	0	0.0	0.0	18736.2	0	0.0	0.0	5344.4	0
Polk	0.0	0.0	3528.5	0	0.0	0.0	4718.5	0	0.0	0.0	4303.8	0
Putnam	274.4	136.0	485.2	11	^	^	^	^	^	^	^	^
Rhea	^	^	^	^	^	^	^	^	^	^	^	^
Roane	145.7	74.9	258.0	12	^	^	^	^	^	^	^	^
Robertson	304.9	236.4	386.7	68	391.1	274.7	538.6	38	238.6	160.4	341.2	30
Rutherford	258.5	216.9	305.0	149	350.4	270.0	444.3	77	207.9	161.5	262.7	72
Scott	0.0	0.0	2757.3	0	0.0	0.0	3838.2	0	0.0	0.0	10547.6	0
Sequatchie	0.0	0.0	10967.3	0	0.0	0.0	5803.4	0	0.0	0.0	16029.5	0

Table 8. Continued

County	BOTH SEXES				MALES				FEMALES			
	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count
<b>BLACKS</b>												
Sevier	^	^	^	^	0.0	0.0	616.9	0	^	^	^	^
Shelby	271.5	263.0	280.2	4,199	366.8	349.9	384.2	2,118	219.5	210.0	229.4	2,081
Smith	^	^	^	^	^	^	^	^	^	^	^	^
Stewart	^	^	^	^	0.0	0.0	1052.9	0	^	^	^	^
Sullivan	206.1	138.5	294.8	30	246.4	129.9	418.3	14	184.9	105.5	303.2	16
Sumner	248.9	194.4	312.8	77	335.6	233.7	462.7	42	196.7	135.8	273.8	35
Tipton	260.1	213.5	313.4	111	337.0	250.0	442.4	53	222.2	168.4	287.4	58
Trousdale	225.4	119.6	399.4	13	^	^	^	^	^	^	^	^
Unicoi	0.0	0.0	5034.3	0	0.0	0.0	4705.7	0	0.0	0.0	9628.7	0
Union	0.0	0.0	7732.0	0	0.0	0.0	8082.5	0	0.0	0.0	4258.6	0
Van Buren	^	^	^	^	0.0	0.0	6388.9	0	^	^	^	^
Warren	307.2	184.6	480.1	20	429.9	178.0	841.9	10	268.4	127.5	502.0	10
Washington	171.6	113.5	247.1	29	189.0	98.5	322.7	15	144.4	78.4	241.9	14
Wayne	^	^	^	^	^	^	^	^	0.0	0.0	1542.3	0
Weakley	197.7	114.1	316.4	17	^	^	^	^	206.1	98.6	376.7	11
White	410.4	195.5	772.9	10	^	^	^	^	^	^	^	^
Williamson	310.3	249.0	381.6	95	433.6	317.3	575.3	52	238.6	170.3	324.6	43
Wilson	297.1	232.4	373.2	77	459.4	329.6	619.4	48	194.6	128.8	281.2	29

Note: ^ Due to concerns regarding privacy, statistics were suppressed when there were 1-9 reported cases.



## CANCER OF THE LUNG AND BRONCHUS

**Table 9.** Lung and Bronchus Cancer. Annual Case Counts, Age-Adjusted Incidence Rates per 100,000 Population, and 95% Confidence Intervals (CI), by Year, Sex and Race, Tennessee, 2003-2007.

	BOTH SEXES				MALES				FEMALES			
	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count
<b>ALL RACES</b>												
<b>2003-2007</b>	81.9	80.9	82.9	25,772	112.1	110.3	114	15,163	60.5	59.4	61.7	10,609
<b>2003</b>	77.7	75.5	80	4,704	105.4	101.4	109.5	2,752	57.9	55.3	60.5	1,952
<b>2004</b>	84.1	81.8	86.4	5,160	118.9	114.7	123.3	3,132	59.3	56.7	61.9	2,028
<b>2005</b>	84.3	82	86.6	5,296	115.6	111.4	119.8	3,126	62.1	59.5	64.8	2,170
<b>2006</b>	83.3	81.1	85.6	5,361	114	109.9	118.1	3,143	61.7	59.1	64.3	2,218
<b>2007</b>	80.1	78	82.4	5,251	106.8	102.9	110.8	3,010	61.5	59	64.1	2,241
<b>WHITES</b>												
<b>2003-2007</b>	82.3	81.3	83.4	22,728	112.1	110.1	114	13,428	61	59.8	62.3	9,300
<b>2003</b>	78.7	76.3	81.1	4,185	106	101.7	110.4	2,453	59	56.2	61.8	1,732
<b>2004</b>	84.3	81.8	86.8	4,542	118.3	113.9	122.9	2,768	59.7	56.9	62.5	1,774
<b>2005</b>	83.7	81.3	86.1	4,611	114.5	110.1	118.9	2,741	61.6	58.8	64.4	1,870
<b>2006</b>	83.8	81.4	86.2	4,728	114.4	110.1	118.9	2,794	61.8	59.1	64.7	1,934
<b>2007</b>	81.2	78.9	83.6	4,662	107.2	103.1	111.5	2,672	62.9	60.2	65.8	1,990
<b>BLACKS</b>												
<b>2003-2007</b>	79.2	76.2	82.2	2,865	112.5	106.8	118.4	1,639	57.7	54.5	61.1	1,226
<b>2003</b>	70.6	64.3	77.2	491	100.6	88.7	113.6	282	50.8	44.1	58.2	209
<b>2004</b>	84	77.2	91.1	594	125.9	112.4	140.5	350	58	50.9	65.9	244
<b>2005</b>	90.2	83.2	97.6	649	127.3	113.9	141.7	367	66.5	58.9	74.8	282
<b>2006</b>	79.7	73.2	86.6	586	108.4	96.1	121.7	324	61.1	53.8	69	262
<b>2007</b>	71.9	65.8	78.4	545	100.6	89	113.1	316	52.7	46	60.1	229

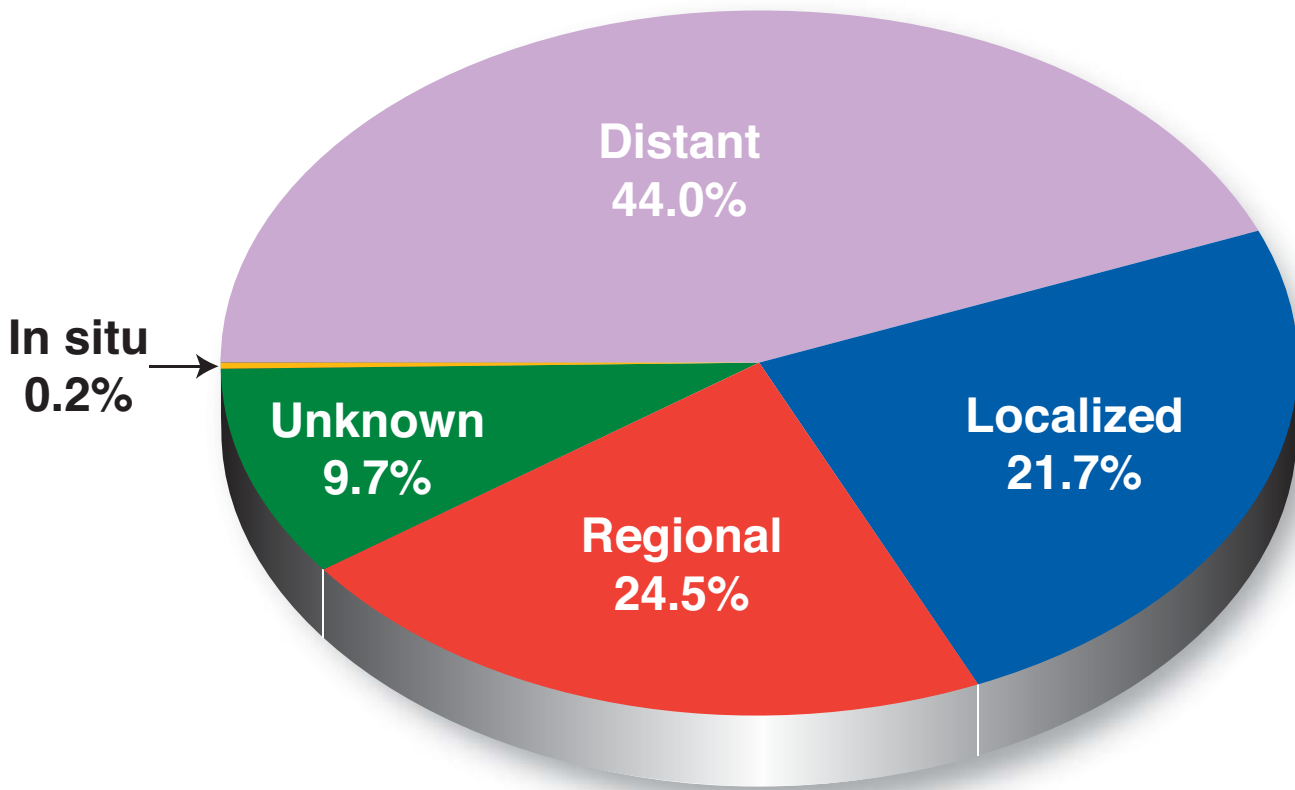
# CANCER IN TENNESSEE: 2003-2007

**Table 10.** Lung and Bronchus Cancer. Five-Year Case Counts, Average Annual Age-Specific Incidence Rates per 100,000 Population and 95% Confidence Intervals (CI) for All Races Combined, by Sex, 2003-2007, Tennessee.

Age at Diagnosis	BOTH SEXES				MALES				FEMALES			
	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count
0	0	0	0.9	0	0	0	1.8	0	0	0	1.9	0
01-04	^	^	^	^	^	^	^	^	0	0	0.5	0
05-09	0	0	0.2	0	0	0	0.4	0	0	0	0.4	0
10-14	^	^	^	^	0	0	0.4	0	^	^	^	^
15-19	^	^	^	^	^	^	^	^	0	0	0.4	0
20-24	^	^	^	^	0	0	0.4	0	^	^	^	^
25-29	^	^	^	^	^	^	^	^	^	^	^	^
30-34	1.5	1.1	2.2	32	1.7	1	2.7	18	1.4	0.7	2.3	14
35-39	6	5	7.2	128	5	3.8	6.6	53	7	5.5	8.8	75
40-44	20.2	18.4	22.2	459	20.4	17.8	23.2	228	20.1	17.6	22.8	231
45-49	45	42.3	47.8	1,019	49.1	45	53.4	543	41.1	37.5	44.9	476
50-54	83.5	79.7	87.6	1,744	101.7	95.6	108.1	1,034	66.3	61.5	71.3	710
55-59	153.3	147.7	159.1	2,778	189.8	180.8	199.1	1,667	119	112.1	126.3	1,111
60-64	264.3	256	272.9	3,777	327.6	314.2	341.5	2,237	206.4	196.2	216.9	1,540
65-69	392.3	380.8	404	4,450	504.2	485.2	523.7	2,658	295.1	281.6	309.1	1,792
70-74	469.1	455.2	483.4	4,267	641.1	616.6	666.4	2,572	333.4	317.7	349.7	1,695
75-79	501.1	485	517.6	3,661	737.4	706.7	768.9	2,184	340	322.9	357.8	1,477
80-84	439.2	421.5	457.4	2,312	733.3	694.9	773.3	1,366	278.1	260.7	296.4	946
85+	240.3	226.5	254.8	1,128	477.5	439.9	517.4	596	154.4	141.6	168.1	532

Note: ^ Due to concerns regarding privacy, statistics were suppressed when there were 1-9 reported cases.

Figure 12: Lung Cancer by Stage,  
Tennessee, 2003-2007



# CANCER IN TENNESSEE: 2003-2007

**Table 11. Lung and Bronchus Cancer. Five-Year Case Counts, Average Annual Age-Adjusted Incidence Rates per 100,000 Population, and 95% Confidence Intervals (CI), by County, Sex, and Race, Tennessee, 2003-2007.**

County	BOTH SEXES				MALES				FEMALES			
	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count
<b>ALL RACES</b>												
Tennessee	81.9	80.9	82.9	25,772	112.1	110.3	114	15,163	60.5	59.4	61.7	10,609
Anderson	83.1	75.1	91.9	395	104.9	91	120.3	209	69.4	59.6	80.4	186
Bedford	84.3	72.2	97.9	174	108.8	87.9	133	98	66.8	52.5	83.7	76
Benton	108.8	90.5	130.2	128	145.4	114.1	183.5	78	78.5	58.1	104.9	50
Bledsoe	66.2	47.8	89.5	45	97.1	60.9	145.6	27	47.7	28.1	76.8	18
Blount	75.8	69.3	82.7	514	106.8	95	119.6	313	53.6	46.4	61.7	201
Bradley	67.9	60.8	75.6	338	96.6	83.6	111	212	46.7	38.8	55.7	126
Campbell	120.9	107.6	135.5	308	167.8	143.9	194.7	191	86.2	71	103.9	117
Cannon	68.5	51.2	90	53	90.5	60.7	130	31	53.7	33.6	82.1	22
Carroll	108.7	94.2	124.9	206	145	119.9	174	119	85.4	68.1	106.2	87
Carter	74.8	66	84.5	265	105.5	89.7	123.5	163	52	42.3	63.5	102
Cheatham	95	80.2	111.6	156	145.5	117.2	178.1	103	56.6	42.2	74.4	53
Chester	43.2	30.4	59.7	37	55	33.9	84.4	21	34.4	19.7	56.4	16
Claiborne	110	95.3	126.4	205	153.8	127.8	183.9	130	76.4	59.9	96.2	75
Clay	68.9	48.5	96	38	77.4	45.4	124.8	19	65.9	39.4	105.5	19
Cocke	87	74.9	100.7	188	107.3	87.2	130.9	106	71.7	56.9	89.4	82
Coffee	82	72.1	92.9	248	103.4	86.3	122.9	134	68	56	82	114
Crockett	82.2	64	104.1	71	114.8	83.1	154.9	44	59.1	38.6	87	27
Cumberland	77.9	69.2	87.4	320	97.6	83.8	113.3	194	60.8	50.2	73.3	126
Davidson	83.8	80.4	87.4	2,259	111.5	105.2	118.1	1,235	65.8	61.8	69.9	1,024
Decatur	90.3	70.4	114.7	72	115.6	82.4	158.7	41	75.5	50.6	109.5	31
DeKalb	91	73.6	111.5	96	135.8	103	175.5	61	60.5	42	84.9	35
Dickson	92.6	80.6	105.8	218	120.9	99.9	144.8	126	72.6	58.5	89.1	92
Dyer	78.1	66.5	91.2	164	121.1	99	146.6	110	46.6	34.9	61.1	54
Fayette	33	25.2	42.4	62	39.3	27.1	55.3	35	27.3	17.9	40	27
Fentress	110.9	91.7	133.2	120	159.7	124.5	202	76	76.1	55	103.2	44
Franklin	71.5	61.3	83	176	89.2	72	109.4	97	58.7	46.3	73.5	79
Gibson	92.9	82.3	104.5	283	139.7	120.1	161.7	183	58.7	47.5	71.8	100
Giles	79	66.5	93.4	142	99.3	78.3	124.4	81	61.5	46.9	79.7	61
Grainger	103.7	86.5	123.4	134	140.6	109	178.4	78	79.7	60	104.3	56
Greene	98.8	89.3	109.1	403	131.1	114.5	149.6	233	75.5	64.5	88	170
Grundy	85.5	67.1	107.7	75	125	92.5	165.6	51	52.7	33.5	79.4	24
Hamblen	95.5	85.4	106.5	332	131.7	113.2	152.4	193	71.1	59.7	84.3	139
Hamilton	83.7	79.5	88.1	1,500	113.2	105.6	121.2	854	63.5	58.6	68.6	646
Hancock	74.7	50.2	107.7	30	100	57.4	162.2	17	62.7	32.9	109.6	13
Hardeman	72.8	59.6	88.1	107	99.6	77.1	126.5	68	49.6	35.2	68.3	39
Hardin	83.7	70.4	99	142	112.3	89	140.1	84	64.3	48.6	83.9	58
Hawkins	78.3	68.9	88.6	259	115.2	97.5	135.3	160	53.5	43.4	65.4	99
Haywood	65.8	51.2	83.4	69	120.5	89.5	158.7	52	26.6	15.4	43.3	17
Henderson	89.1	74.6	105.6	135	131.7	104.7	163.4	86	58.7	43.3	78.1	49
Henry	89.8	77.6	103.5	198	131.7	109.5	157.3	128	58.9	45.7	75.2	70
Hickman	100.6	83.5	120.2	124	145.3	113.7	182.6	79	68.6	49.9	92.2	45
Houston	88.6	65.2	118.5	48	141.5	98.2	198.6	35	42.7	22.6	75.8	13
Humphreys	101.6	83.7	122.4	115	143.3	112	181.2	74	66.1	47.3	90.7	41

# CANCER IN TENNESSEE: 2003-2007

Table 11. Continued

County	BOTH SEXES				MALES				FEMALES			
	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count
<b>ALL RACES</b>												
Jackson	88.3	67.9	113.6	64	135.9	97.8	184.8	45	49.2	29.5	78.6	19
Jefferson	96.7	85.3	109.2	269	135	114.8	157.7	172	66.4	53.7	81.4	97
Johnson	76	60.8	94.1	89	83.8	61.8	111.8	50	67.8	47.9	94.2	39
Knox	86.5	82.6	90.5	1,863	120.4	113.2	127.9	1,093	63.1	58.7	67.8	770
Lake	110.6	80.2	148.9	44	147.2	96.5	215.2	27	88.8	50.4	146.6	17
Lauderdale	80.8	66.3	97.5	110	109	83.8	139.3	66	60	43.5	80.9	44
Lawrence	97.7	85.4	111.2	233	133.4	111.8	158.1	138	72.3	58.3	88.7	95
Lewis	85.8	64.5	112	56	131.4	91.4	183	38	51	30.1	81.7	18
Lincoln	66.8	55.8	79.3	133	95.6	76.2	118.5	86	43.9	32.1	58.8	47
Loudon	83.3	73.1	94.7	249	103.4	86.3	123.1	141	68.9	56.2	83.8	108
McMinn	70.7	61.6	80.9	218	105.1	88	124.6	141	46	36.2	57.7	77
McNairy	81.6	68.3	96.9	135	126.8	102	156	94	46	32.9	63.1	41
Macon	86.3	69.9	105.4	98	134.8	103.8	172.2	68	48.8	32.8	70.2	30
Madison	79.4	71.5	87.9	372	116.7	101.8	133.1	228	54	45.4	63.6	144
Marion	91.5	77.5	107.4	156	126.4	101.2	156	97	64	48.6	83.2	59
Marshall	95.5	80.2	112.9	140	127.5	100.8	159	82	70.4	53.3	91.3	58
Maury	88.4	79.2	98.3	340	119.5	102.7	138.3	191	68.9	58.3	81	149
Meigs	91.9	69.8	119.1	61	111.7	76.8	157.6	36	73.5	47.2	109.9	25
Monroe	92	80.3	105	228	133.8	112.6	157.8	148	58.7	46.4	73.4	80
Montgomery	80.8	73.3	88.9	434	111.9	97.9	127.1	256	59.7	51.2	69.1	178
Moore	29.6	14.7	54.3	11	^	^	^	^	^	^	^	^
Morgan	128.6	108	152.1	141	189.1	150.8	234.1	92	84.5	62.4	112.5	49
Obion	84.7	72.3	98.7	169	124.5	102	150.6	111	53.3	40.4	69.4	58
Overton	99.1	82.5	118.3	128	148.7	118.6	184.4	88	57.9	41.2	79.7	40
Perry	107.6	80.5	141.6	54	110.2	69.6	166.8	24	106.8	71.6	155.5	30
Pickett	94.3	66.1	132.8	37	133.4	84.1	205.4	24	61	32.4	110.9	13
Polk	96.3	77.8	118.1	96	139.3	106.8	179.2	65	58	39.2	83.3	31
Putnam	99.7	89.7	110.6	363	146.5	128.2	166.7	235	63.9	53.2	76.3	128
Rhea	107.2	92.2	124	188	155.3	128.1	186.6	121	70.1	54.1	89.6	67
Roane	93.8	83.9	104.6	332	127.3	109.9	146.8	200	69.6	58	83	132
Robertson	81.4	71.2	92.6	234	103.6	86.2	123.4	133	64.1	52.1	77.9	101
Rutherford	78.6	72.4	85.2	623	97.5	86.7	109.1	337	65.5	58	73.6	286
Scott	97.5	80.1	117.7	112	138	106.4	175.9	70	67.3	48.3	91.4	42
Sequatchie	66.1	48.2	88.7	46	104.1	70	149	32	38.1	20.7	64.7	14
Sevier	90.8	82.3	100.1	426	109	94.6	124.9	227	78.4	67.8	90.3	199
Shelby	66.7	64.2	69.3	2,659	88.8	84.1	93.7	1,445	52.4	49.5	55.4	1,214
Smith	78.2	61.7	97.8	78	108.9	79.6	145.3	48	56.2	37.8	80.7	30
Stewart	82	63	105.3	64	112	79.6	153.5	41	56.6	35.7	86.2	23
Sullivan	89.3	83.6	95.4	912	120.8	110.6	131.8	528	66.9	60.3	74.1	384
Sumner	81.3	74.7	88.3	583	108	96.2	120.9	335	62.2	54.6	70.6	248
Tipton	80.8	70.1	92.6	212	108.1	89.3	129.7	126	59.3	47.4	73.4	86
Trousdale	80.6	56.2	112.3	36	119	74.3	180.9	23	52.1	27.4	91.3	13
Unicoi	70.1	56.1	86.9	88	109	82.5	142	59	43.2	28.7	63.6	29
Union	94.1	75.7	115.7	94	128.1	95.4	168.3	58	67.9	47.4	94.5	36
Van Buren	84	55.6	122.8	28	145.7	91.2	222.6	23	^	^	^	^
Warren	77.9	66.8	90.5	175	105.9	86.3	128.8	104	56.9	44.3	72.1	71
Washington	80.6	73.8	87.9	520	114	101.7	127.4	320	56.2	48.6	64.7	200
Wayne	81.1	64.2	101.4	80	105.8	76.9	141.9	47	63.8	43.7	90.9	33



# CANCER IN TENNESSEE: 2003-2007

Table 11. Continued

County	BOTH SEXES				MALES				FEMALES			
	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count
<b>ALL RACES</b>												
Weakley	73.1	61.4	86.5	139	98.6	78	123.1	80	56.5	42.8	73.4	59
White	105.9	89.8	124.1	158	150	121.1	183.8	99	73	55.3	94.9	59
Williamson	62.9	56.5	69.9	381	87	74.6	100.7	221	48	40.6	56.2	160
Wilson	71.7	64	80.1	335	95.9	82.1	111.2	197	53.8	45	63.7	138
County	BOTH SEXES				MALES				FEMALES			
	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count
<b>WHITES</b>												
Tennessee	82.3	81.3	83.4	22,728	112.1	110.1	114	13,428	61	59.8	62.3	9,300
Anderson	82.8	74.6	91.7	379	104.1	90.1	119.8	200	69.4	59.4	80.7	179
Bedford	84.6	71.9	98.9	160	106.8	85.2	132.1	88	69	53.8	87.1	72
Benton	109.4	90.8	131.1	126	143.5	112.2	181.7	76	80.3	59.4	107.4	50
Bledsoe	64.2	46	87.4	43	93.8	58.3	141.8	26	45.3	26.3	74.1	17
Blount	76.2	69.6	83.3	502	107.4	95.5	120.4	307	53.7	46.4	61.9	195
Bradley	69.2	61.9	77.2	332	98.8	85.5	113.7	209	47.3	39.2	56.6	123
Campbell	121	107.6	135.6	306	166.9	143	193.8	189	86.9	71.6	104.8	117
Cannon	63.3	46.5	84.3	48	81	52.6	119.3	27	52.5	32.4	81.1	21
Carroll	106.5	91.4	123.5	183	137	111.4	166.9	102	88.3	69.7	110.8	81
Carter	74.7	65.8	84.4	262	106.5	90.5	124.6	163	50.9	41.3	62.3	99
Cheatham	96.2	81.1	113.1	154	146.6	117.8	179.9	101	58.1	43.3	76.3	53
Chester	44.2	30.7	61.7	35	53.9	32.4	84.7	19	37.2	21.3	61.2	16
Claiborne	108.7	93.9	125.1	200	151.5	125.4	181.6	126	76.1	59.6	96	74
Clay	63.7	44.1	90.1	35	65.7	37.5	109.1	17	63.1	37.1	102.5	18
Cocke	88.6	76.2	102.5	187	108.6	88.1	132.6	105	73.4	58.3	91.5	82
Coffee	81.4	71.4	92.5	239	102.2	85.1	121.9	129	67.6	55.5	81.8	110
Crockett	79.3	60.3	102.7	60	112.2	79	155	38	56.7	35.2	87.2	22
Cumberland	77.5	68.8	87	317	97.4	83.6	113.1	193	60.2	49.6	72.7	124
Davidson	84.5	80.6	88.5	1,797	113.4	106.4	120.8	999	65.3	60.8	70.1	798
Decatur	89.4	69.3	114.1	69	116.3	82.5	160.4	40	73.4	48.5	107.9	29
DeKalb	90.9	73.3	111.5	94	134.5	101.5	174.6	59	61.5	42.7	86.3	35
Dickson	92.3	80.1	105.8	209	121	99.6	145.5	121	72.3	57.9	89.2	88
Dyer	76.1	64.1	89.8	145	118.9	96.2	145.4	99	44.1	32.1	59.2	46
Fayette	31.3	22.5	42.6	43	28	16.6	44.8	19	34.3	21.8	51.8	24
Fentress	109.7	90.5	132	118	157.3	122.1	199.6	74	76.4	55.2	103.6	44
Franklin	72	61.5	84	168	89	71.5	109.6	93	59.1	46.4	74.6	75
Gibson	97.1	85.4	110.2	251	140.6	119.4	164.6	157	65.7	52.8	81.2	94
Giles	79.5	66.1	94.9	127	102.1	79.5	129.4	74	59.5	44.4	78.7	53
Grainger	104.5	87.2	124.4	134	141.9	110	180.2	78	80.4	60.5	105.3	56
Greene	99.2	89.7	109.6	398	131.5	114.7	150.2	230	75.9	64.8	88.6	168
Grundy	86.3	67.7	108.6	75	126	93.3	167	51	53.1	33.8	80	24
Hamblen	96.4	86.1	107.7	321	134.4	115.3	155.7	189	70.8	59.1	84.2	132
Hamilton	83.5	78.9	88.3	1,253	112.8	104.5	121.5	716	63.5	58.2	69.2	537
Hancock	75.5	50.8	108.9	30	101.8	58.4	165	17	63.2	33.2	110.5	13
Hardeman	74.7	59.1	93.5	80	95.7	70.6	127.6	49	56.7	38.1	82.2	31
Hardin	84.8	71.2	100.6	139	114.3	90.4	142.8	83	64.5	48.5	84.7	56

Table 11. Continued

County	BOTH SEXES				MALES				FEMALES			
	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count
<b>WHITES</b>												
Hawkins	79.2	69.7	89.7	257	116.3	98.2	136.8	158	54.6	44.2	66.7	99
Haywood	66.2	47.4	90.6	41	113.2	74.9	164.8	29	31.3	15.9	57.9	12
Henderson	93.6	78.2	111.2	132	137.1	108.8	170.7	84	62.2	45.7	82.9	48
Henry	86.5	74.1	100.7	177	124.7	102.4	150.7	114	58.2	44.4	75.4	63
Hickman	100.6	83.3	120.5	120	145.3	113.1	183.5	76	69.1	50.1	93.2	44
Houston	89.7	65.8	120.4	47	142.1	98.1	200.5	34	44	23.4	78.4	13
Humphreys	102.7	84.5	123.9	113	145.5	113.5	184.2	73	66.7	47.5	91.9	40
Jackson	89	68.4	114.5	64	137.1	98.7	186.4	45	49.5	29.7	79.1	19
Jefferson	97.1	85.5	109.7	264	135.5	115.1	158.6	169	66.8	53.9	82	95
Johnson	77.1	61.7	95.5	89	85.3	62.9	113.8	50	68.4	48.3	95	39
Knox	86.1	82	90.3	1,719	119.4	112	127.2	1,009	63	58.4	67.9	710
Lake	106.4	73.7	150	35	137.1	84.3	212.5	21	87.7	45.8	155.1	14
Lauderdale	85.1	68	105.4	87	115.7	86	152.5	53	61.9	42.6	87.5	34
Lawrence	97.7	85.4	111.4	229	133.4	111.6	158.2	136	72.4	58.3	89	93
Lewis	87	65.5	113.6	56	133.2	92.6	185.4	38	51.8	30.5	83	18
Lincoln	62.1	51.2	74.7	115	89.7	70.3	113	75	40.4	28.7	55.5	40
Loudon	83.7	73.4	95.2	247	104.4	87.2	124.2	141	68.8	56	83.9	106
McMinn	69.6	60.3	79.9	206	103.8	86.5	123.5	134	44.8	35	56.7	72
McNairy	83.3	69.5	99.3	131	127.7	102.2	157.9	90	48.5	34.6	66.5	41
Macon	86.9	70.3	106.1	98	135.8	104.5	173.4	68	49.3	33.1	70.8	30
Madison	75.7	66.9	85.3	273	112.6	96.2	130.9	173	49.3	40	60.3	100
Marion	93.6	79.1	110.1	153	128.6	102.7	159.4	95	66	50	86	58
Marshall	98.8	82.7	117.2	134	131.2	103.3	164.2	79	72.6	54.6	94.9	55
Maury	89.5	79.6	100.3	302	114.6	97.2	134.2	162	74.5	62.7	88.1	140
Meigs	88.8	66.9	115.9	58	104	70.2	149.3	33	74.8	48	111.7	25
Monroe	91.9	80	105	222	132.2	110.9	156.5	143	59.7	47.1	74.7	79
Montgomery	79	70.9	87.7	357	103.6	89.4	119.4	206	61.2	51.8	71.8	151
Moore	^	^	^	^	^	^	^	^	^	^	^	^
Morgan	126.7	106.2	150.2	138	187.6	149.2	232.7	90	83.3	61.2	111.1	48
Obion	84.6	71.8	99.3	156	123.2	100.1	150.4	102	54.2	40.6	71.4	54
Overton	99.8	83.1	119.1	128	149.9	119.6	185.9	88	58.3	41.5	80.2	40
Perry	107.6	80.2	142	53	112.1	70.8	169.6	24	105	69.8	154	29
Pickett	92.3	64.3	130.6	36	128.9	80.3	200.4	23	61.3	32.5	111.5	13
Polk	96.8	78.2	118.8	96	140	107.3	180.1	65	58.3	39.5	83.9	31
Putnam	101.2	91	112.3	361	148.1	129.5	168.6	233	65.3	54.3	77.9	128
Rhea	105	90	121.8	180	151.7	124.6	183.1	116	68.8	52.7	88.5	64
Roane	94.6	84.5	105.7	325	127.9	110.3	147.8	196	70.4	58.6	84.2	129
Robertson	79	68.5	90.6	209	101.4	83.5	121.9	120	61.5	49.4	75.8	89
Rutherford	76.4	70	83.2	550	94.3	83.2	106.3	295	64.1	56.3	72.5	255
Scott	97.5	80	117.8	111	137.2	105.6	175.2	69	67.9	48.8	92.2	42
Sequatchie	66.5	48.5	89.2	46	104.5	70.3	149.6	32	38.4	20.9	65.2	14
Sevier	90.3	81.8	99.6	419	109	94.6	125	225	77.4	66.8	89.3	194
Shelby	62.1	58.9	65.4	1,448	81.7	75.9	87.8	783	49.5	45.7	53.4	665
Smith	77.4	60.8	97.3	75	109.9	80.1	147.2	47	53.9	35.7	78.5	28
Stewart	83.1	63.7	106.9	63	112	79.4	154.2	40	58.4	36.8	88.9	23
Sullivan	89.8	84	95.9	899	121.3	110.9	132.4	521	67.2	60.5	74.5	378
Sumner	82.3	75.5	89.5	560	108.1	96.1	121.3	320	63.5	55.6	72.1	240
Tipton	83.2	71.4	96.6	182	108.2	87.7	131.9	107	63.3	49.7	79.6	75

# CANCER IN TENNESSEE: 2003-2007

Table 11. Continued

County	BOTH SEXES				MALES				FEMALES			
	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count
<b>WHITES</b>												
Trousdale	85.3	58.4	120.8	33	126.2	76.7	195.6	21	56.9	29	101.6	12
Unicoi	70.4	56.3	87.2	88	109.3	82.7	142.3	59	43.4	28.8	63.9	29
Union	94.6	76.1	116.3	94	129	96.1	169.6	58	68.2	47.6	94.9	36
Van Buren	84.6	56	123.8	28	146.9	91.9	224.5	23	^	^	^	^
Warren	76.3	65.1	88.9	166	102.4	82.9	125.2	98	56	43.4	71.3	68
Washington	81.5	74.5	89	508	115.1	102.5	128.8	313	56.9	49.1	65.6	195
Wayne	81.8	64.6	102.5	79	108.8	79.2	146	47	62.7	42.6	89.8	32
Weakley	73.2	61.1	87.1	132	97.3	76.3	122.4	75	57.7	43.5	75.5	57
White	104.5	88.4	122.8	153	147.1	118.5	180.8	96	71.8	54.1	93.8	57
Williamson	59.2	52.8	66.2	335	82.5	70	96.3	196	44.7	37.4	52.9	139
Wilson	70.5	62.6	79.1	309	91	77.3	106.4	177	55.2	46	65.6	132

County	BOTH SEXES				MALES				FEMALES			
	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count
<b>BLACKS</b>												
Tennessee	79.2	76.2	82.2	2,865	112.5	106.8	118.4	1,639	57.7	54.5	61.1	1,226
Anderson	106.7	56.0	182.1	13	^	^	^	^	^	^	^	^
Bedford	78.1	41.4	133.6	13	^	^	^	^	^	^	^	^
Benton	^	^	^	^	^	^	^	^	0.0	0.0	415.3	0
Bledsoe	^	^	^	^	^	^	^	^	0.0	0.0	5519.3	0
Blount	^	^	^	^	^	^	^	^	^	^	^	^
Bradley	^	^	^	^	^	^	^	^	^	^	^	^
Campbell	^	^	^	^	^	^	^	^	0.0	0.0	1180.3	0
Cannon	^	^	^	^	^	^	^	^	^	^	^	^
Carroll	125.6	77.7	192.8	21	230.6	131.3	375.0	16	^	^	^	^
Carter	^	^	^	^	0.0	0.0	310.2	0	^	^	^	^
Cheatham	^	^	^	^	^	^	^	^	0.0	0.0	305.3	0
Chester	^	^	^	^	^	^	^	^	0.0	0.0	97.3	0
Claiborne	^	^	^	^	^	^	^	^	0.0	0.0	618.8	0
Clay	^	^	^	^	^	^	^	^	0.0	0.0	1539.1	0
Cocke	^	^	^	^	^	^	^	^	0.0	0.0	204.0	0
Coffee	^	^	^	^	^	^	^	^	^	^	^	^
Crockett	96.4	45.7	179.0	10	^	^	^	^	^	^	^	^
Cumberland	^	^	^	^	^	^	^	^	0.0	0.0	4799.1	0
Davidson	86.8	78.7	95.5	447	110.2	95.3	126.5	228	72.4	63.0	82.8	219
Decatur	^	^	^	^	^	^	^	^	0.0	0.0	369.4	0
DeKalb	^	^	^	^	^	^	^	^	0.0	0.0	693.0	0
Dickson	^	^	^	^	^	^	^	^	^	^	^	^
Dyer	105.0	60.8	166.4	18	145.1	65.8	270.4	10	^	^	^	^
Fayette	37.4	22.4	58.4	19	75.4	42.8	122.2	16	^	^	^	^
Fentress	^	^	^	^	^	^	^	^	0.0	0.0	13900.0	0
Franklin	^	^	^	^	^	^	^	^	^	^	^	^
Gibson	65.8	44.6	93.5	31	124.4	79.8	184.4	25	^	^	^	^
Giles	71.1	38.5	121.1	14	^	^	^	^	^	^	^	^
Grainger	0.0	0.0	1580.9	0	0.0	0.0	2742.1	0	0.0	0.0	6437.3	0

# CANCER IN TENNESSEE: 2003-2007

Table 11. Continued

County	BOTH SEXES				MALES				FEMALES			
	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count
<b>BLACKS</b>												
Greene	^	^	^	^	^	^	^	^	^	^	^	^
Grundy	0.0	0.0	3348.1	0	0.0	0.0	9970.2	0	0.0	0.0	3502.2	13
Hamblen	75.2	35.6	139.9	10	^	^	^	^	^	^	^	^
Hamilton	84.9	74.3	96.5	238	114.6	95.3	136.6	132	64.0	52.3	77.5	0
Hancock	0.0	0.0	6436.3	0	0.0	0.0	8642.4	0	0.0	0.0	10545.0	11
Hardeman	66.6	43.3	96.9	27	110.0	63.8	173.8	19	^	^	^	0
Hardin	^	^	^	^	^	^	^	^	^	^	^	^
Hawkins	^	^	^	^	^	^	^	^	0.0	0.0	174.4	^
Haywood	67.1	44.3	96.9	28	138.3	86.8	207.4	23	^	^	^	0
Henderson	^	^	^	^	^	^	^	^	^	^	^	54
Henry	127.9	76.9	200.5	19	220.0	116.3	375.9	13	^	^	^	^
Hickman	^	^	^	^	^	^	^	^	^	^	^	^
Houston	0.0	0.0	264.6	0	0.0	0.0	522.6	0	0.0	0.0	606.6	28
Humphreys	^	^	^	^	^	^	^	^	^	^	^	^
Jackson	0.0	0.0	8542.4	0	0.0	0.0	8832.4	0	0.0	0.0	4753.4	^
Jefferson	^	^	^	^	^	^	^	^	^	^	^	46
Johnson	0.0	0.0	733.5	0	0.0	0.0	1735.5	0	0.0	0.0	7090.5	^
Knox	91.1	75.5	108.9	124	136.8	105.5	173.9	72	62.9	46.8	82.6	^
Lake	^	^	^	^	^	^	^	^	^	^	^	^
Lauderdale	71.8	45.1	107.5	23	93.6	48.9	159.5	13	57.1	27.1	104.2	0
Lawrence	^	^	^	^	^	^	^	^	^	^	^	0
Lewis	0.0	0.0	570.5	0	0.0	0.0	1057.5	0	0.0	0.0	1294.5	^
Lincoln	137.3	79.7	220.9	17	212.2	102.7	387.4	11	^	^	^	0
Loudon	0.0	0.0	164.0	0	0.0	0.0	472.5	0	0.0	0.0	323.9	^
McMinn	106.8	53.0	190.2	11	^	^	^	^	^	^	^	^
McNairy	^	^	^	^	^	^	^	^	0.0	0.0	91.9	^
Macon	0.0	0.0	1828.3	0	0.0	0.0	2988.3	0	0.0	0.0	5460.8	13
Madison	89.6	72.3	109.5	98	128.8	95.2	169.2	54	67.5	48.8	90.6	38
Marion	^	^	^	^	^	^	^	^	^	^	^	^
Marshall	^	^	^	^	^	^	^	^	^	^	^	0
Maury	79.8	56.0	110.2	37	158.9	103.7	231.5	28	^	^	^	^
Meigs	^	^	^	^	^	^	^	^	0.0	0.0	1404.9	13
Monroe	^	^	^	^	^	^	^	^	^	^	^	^
Montgomery	97.4	74.7	124.2	68	167.3	117.6	228.5	46	56.2	34.6	85.1	0
Moore	^	^	^	^	^	^	^	^	^	^	^	11
Morgan	^	^	^	^	^	^	^	^	^	^	^	0
Obion	91.9	48.8	156.3	13	^	^	^	^	^	^	^	^
Overton	0.0	0.0	1517.4	0	0.0	0.0	3008.1	0	0.0	0.0	3896.6	^
Perry	0.0	0.0	630.4	0	0.0	0.0	2026.3	0	0.0	0.0	1305.8	0
Pickett	^	^	^	^	^	^	^	^	0.0	0.0	5344.4	54
Polk	0.0	0.0	3528.5	0	0.0	0.0	4718.5	0	0.0	0.0	4303.8	^
Putnam	^	^	^	^	^	^	^	^	0.0	0.0	164.2	^
Rhea	^	^	^	^	^	^	^	^	^	^	^	28
Roane	^	^	^	^	^	^	^	^	^	^	^	^
Robertson	107.8	68.8	160.3	24	138.4	72.9	236.4	13	83.5	41.5	150.2	^
Rutherford	112.5	85.9	144.1	65	147.7	101.0	206.7	38	87.6	57.2	126.8	46
Scott	^	^	^	^	^	^	^	^	0.0	0.0	10547.6	^
Sequatchie	0.0	0.0	10967.3	0	0.0	0.0	5803.4	0	0.0	0.0	16029.5	^

# CANCER IN TENNESSEE: 2003-2007

Table 11. Continued

County	BOTH SEXES				MALES				FEMALES			
	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count
<b>BLACKS</b>												
Sevier	^	^	^	^	^	^	^	^	^	^	^	^
Shelby	72.4	68.2	76.8	1,178	98.5	90.5	107.1	641	55.9	51.1	60.9	537
Smith	^	^	^	^	^	^	^	^	^	^	^	^
Stewart	^	^	^	^	^	^	^	^	0.0	0.0	1507.7	0
Sullivan	72.4	35.9	130.2	11	^	^	^	^	^	^	^	^
Sumner	68.3	41.7	104.2	21	105.7	53.5	182.9	13	^	^	^	^
Tipton	66.8	44.5	96.0	29	102.5	59.1	163.7	18	42.8	21.2	76.5	11
Trousdale	^	^	^	^	^	^	^	^	^	^	^	^
Unicoi	0.0	0.0	5034.3	0	0.0	0.0	4705.7	0	0.0	0.0	9628.7	0
Union	0.0	0.0	7732.0	0	0.0	0.0	8082.5	0	0.0	0.0	4258.6	0
Van Buren	0.0	0.0	5707.9	0	0.0	0.0	6388.9	0	0.0	0.0	3666.3	0
Warren	^	^	^	^	^	^	^	^	^	^	^	^
Washington	58.5	27.5	107.1	10	^	^	^	^	^	^	^	^
Wayne	^	^	^	^	0.0	0.0	1593.7	0	^	^	^	^
Weakley	^	^	^	^	^	^	^	^	^	^	^	^
White	^	^	^	^	^	^	^	^	^	^	^	^
Williamson	136.0	97.1	184.8	43	186.5	116.0	281.6	24	104.0	61.4	164.3	19
Wilson	85.0	53.0	128.6	23	166.9	90.1	276.5	17	^	^	^	^

Note: ^ Due to concerns regarding privacy, statistics were suppressed when there were 1-9 reported cases.



# CANCER IN TENNESSEE: 2003-2007

**Table 12.** Lung and Bronchus Cancer. Annual Death Counts, Age-Adjusted Mortality Rates per 100,000 Population, and 95% Confidence Intervals (CI), by Year, Sex and Race, Tennessee, 2003-2007.

	BOTH SEXES				MALES				FEMALES			
	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count
<b>ALL RACES</b>												
<b>2003-2007</b>	68.1	67.2	69	21,252	97.7	96	99.5	12,814	47.6	46.6	48.6	8,438
<b>2003</b>	67.5	65.5	69.7	4,040	97.9	93.9	102	2,442	46.8	44.5	49.2	1,598
<b>2004</b>	68.2	66.2	70.4	4,164	99.3	95.4	103.3	2,547	46.7	44.4	49	1,617
<b>2005</b>	70	67.9	72.1	4,365	99.5	95.7	103.5	2,622	49.2	46.9	51.6	1,743
<b>2006</b>	68.3	66.3	70.4	4,358	97.7	93.9	101.7	2,622	47.8	45.6	50.1	1,736
<b>2007</b>	66.6	64.6	68.6	4,325	94.4	90.7	98.3	2,581	47.5	45.2	49.8	1,744
<b>WHITES</b>												
<b>2003-2007</b>	67.8	66.8	68.8	18,609	96.5	94.7	98.3	11,221	47.8	46.7	48.9	7,388
<b>2003</b>	67.3	65.1	69.5	3,549	96.5	92.3	100.8	2,137	47.3	44.8	49.8	1,412
<b>2004</b>	67.8	65.6	70.1	3,643	97.3	93.2	101.6	2,217	47.2	44.8	49.7	1,426
<b>2005</b>	69.2	67	71.4	3,791	98	93.9	102.2	2,288	48.7	46.3	51.3	1,503
<b>2006</b>	68	65.8	70.2	3,812	96.9	92.9	101.1	2,306	47.6	45.2	50.1	1,506
<b>2007</b>	66.8	64.7	69	3,814	93.8	89.8	97.8	2,273	48.1	45.8	50.6	1,541
<b>BLACKS</b>												
<b>2003-2007</b>	73.4	70.5	76.3	2,573	112.5	106.6	118.5	1,559	48.6	45.6	51.7	1,014
<b>2003</b>	71.9	65.5	78.7	484	113.9	100.8	128.2	301	45.4	39	52.5	183
<b>2004</b>	74	67.6	80.9	505	119.4	106	133.8	321	45.1	38.7	52.1	184
<b>2005</b>	79.5	72.9	86.6	558	116.4	103.4	130.5	325	56.1	49	63.8	233
<b>2006</b>	73.9	67.6	80.6	532	108.8	96.2	122.4	310	52.2	45.4	59.6	222
<b>2007</b>	67.7	61.7	74.1	494	104.7	92.4	118	302	44.6	38.4	51.5	192

# CANCER IN TENNESSEE: 2003-2007

**Table 13.** Lung and Bronchus Cancer. Five-Year Death Counts, Average Annual Age-Specific Mortality Rates per 100,000 Population and 95% Confidence Intervals (CI) for All Races Combined, by Sex, 2003-2007, Tennessee.

Age at Diagnosis	BOTH SEXES				MALES				FEMALES			
	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count
0	0	0	0.9	0	0	0	1.8	0	0	0	1.9	0
01-04	0	0	0.2	0	0	0	0.5	0	0	0	0.5	0
05-09	0	0	0.2	0	0	0	0.4	0	0	0	0.4	0
10-14	0	0	0.2	0	0	0	0.4	0	0	0	0.4	0
15-19	0	0	0.2	0	0	0	0.3	0	0	0	0.4	0
20-24	^	^	^	^	0	0	0.4	0	^	^	^	^
25-29	^	^	^	^	^	^	^	^	^	^	^	^
30-34	0.6	0.3	1.1	13	^	^	^	^	^	^	^	^
35-39	2.5	1.9	3.3	53	2.3	1.5	3.4	24	2.7	1.8	3.9	29
40-44	12.6	11.1	14.1	285	13.2	11.2	15.6	148	11.9	10	14.1	137
45-49	31.1	28.8	33.5	704	37.6	34.1	41.4	416	24.8	22.1	27.9	288
50-54	58.5	55.3	61.9	1,222	74.3	69.1	79.8	755	43.6	39.7	47.7	467
55-59	113.2	108.3	118.2	2,050	145.8	137.9	154	1,281	82.4	76.7	88.4	769
60-64	195.7	188.5	203.1	2,797	251.6	239.9	263.8	1,718	144.6	136.1	153.5	1,079
65-69	305.4	295.4	315.8	3,465	399.5	382.6	416.9	2,106	223.8	212	236	1,359
70-74	374.8	362.3	387.6	3,409	533.9	511.6	557	2,142	249.2	235.7	263.3	1,267
75-79	458.3	442.9	474.1	3,348	695.5	665.8	726.2	2,060	296.5	280.6	313.2	1,288
80-84	461.6	443.4	480.3	2,430	749.4	710.6	789.8	1,396	304	285.7	323.1	1,034
85+	313.2	297.4	329.6	1,470	606.5	564.1	651.3	757	206.9	192	222.7	713

Note: ^ Due to concerns regarding privacy, statistics were suppressed when there were 1-9 reported cases.

# CANCER IN TENNESSEE: 2003-2007

**Table 14.** Lung and Bronchus Cancer. Five-Year Death Counts, Average Annual Age-Adjusted Mortality Rates per 100,000 Population, and 95% Confidence Intervals (CI), by County, Sex, and Race, Tennessee, 2003-2007.

County	BOTH SEXES				MALES				FEMALES			
	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count
<b>ALL RACES</b>												
Tennessee	68.1	67.2	69	21,252	97.7	96	99.5	12,814	47.6	46.6	48.6	8,438
Anderson	70.5	63.2	78.6	341	90	77.2	104.5	179	58.1	49.4	68.2	162
Bedford	72.6	61.3	85.4	148	105.4	84.3	129.9	91	48	36.2	62.4	57
Benton	78.2	63	96.5	93	117.4	89.5	152	63	48	32.2	70.1	30
Bledsoe	59	41.5	81.4	39	96.9	61.5	144.2	27	32.8	16.9	58.8	12
Blount	59.1	53.5	65.3	400	90.2	79.4	102.2	260	36.9	31	43.7	140
Bradley	61.8	55	69.2	304	95.4	82.1	110.2	199	38.3	31.3	46.4	105
Campbell	96.9	85.1	110	247	147.4	124.4	173.6	160	62.1	49.6	77.2	87
Cannon	54	38.7	73.7	41	74.8	46.5	113.5	23	42.9	25.4	68.7	18
Carroll	83	70.5	97.3	160	128	104.5	155.5	105	50.5	37.7	66.6	55
Carter	67.7	59.3	77.1	237	97	81.6	114.6	145	46.1	37.1	56.8	92
Cheatham	82.1	68.4	97.6	135	127.2	100.6	158.3	89	48.9	35.6	65.6	46
Chester	58.2	43.1	76.9	50	76.6	50.7	110.9	28	45.3	28.3	69.5	22
Claiborne	92.7	79.2	107.9	172	135.9	110.6	165.4	108	61.4	47.2	78.9	64
Clay	68.9	48.5	95.9	38	80.3	48.3	127.2	21	61	35.4	100	17
Cocke	75.1	63.7	88.1	158	101.9	81.3	126.1	93	56.6	43.6	72.5	65
Coffee	61	52.5	70.5	185	80.9	66	98.2	106	45.9	36.3	57.5	79
Crockett	61.1	45.8	80.2	54	91.7	64	127.7	36	37.8	22.2	60.9	18
Cumberland	58.9	51.4	67.4	240	78.8	66.4	93.3	152	42.3	33.6	53	88
Davidson	66.6	63.5	69.7	1,783	93.9	88.1	100	1,010	48.4	45	51.9	773
Decatur	78.4	60.4	100.8	65	105.6	74.7	146.2	39	57.3	37	86.4	26
DeKalb	80.6	64.4	99.8	86	118.3	87.8	155.9	53	55.9	38.4	79.3	33
Dickson	73.3	62.6	85.4	168	99.3	79.7	122	97	55.5	43.3	70.2	71
Dyer	78.6	66.9	91.8	163	123.7	101	150	108	46.8	35.1	61.3	55
Fayette	63.1	51.8	76.1	111	87.4	66.9	112	66	45.7	33.2	61.4	45
Fentress	93.3	75.6	114.2	99	146.9	112.5	188.6	67	54.4	37.1	77.8	32
Franklin	63.3	53.8	74.2	158	83.7	67.1	103.2	92	48.6	37.5	62.2	66
Gibson	79.1	69.4	89.9	241	126.2	107.6	147.3	164	43.9	34.4	55.4	77
Giles	79.7	67.1	94.2	143	110.4	87.5	137.5	86	57.3	43.2	74.9	57
Grainger	90.6	74.2	109.6	112	144.6	111.2	184.6	74	54.5	38.4	75.6	38
Greene	83.4	74.7	92.9	337	118.2	102.2	136	206	58.3	48.6	69.5	131
Grundy	51	36.9	68.9	44	79.6	54	113.5	32	28.2	14.4	50.1	12
Hamblen	81.7	72.4	92	280	125.1	106.6	145.9	174	53.6	43.8	65.1	106
Hamilton	64.2	60.6	68.1	1,154	92.3	85.3	99.6	679	45.7	41.7	50.1	475
Hancock	91.8	64.9	127	38	125.2	76.4	193.6	21	75.3	43.7	123.1	17
Hardeman	70.9	57.9	86	104	110.4	86	139.4	72	40	27.2	56.9	32
Hardin	76.7	64.1	91.4	132	102.3	80	129.2	76	59.9	45	78.6	56
Hawkins	66	57.4	75.5	217	102.4	85.9	121.1	146	39.9	31	50.5	71
Haywood	69.4	54.3	87.5	72	122	90.3	161	51	34.6	21.3	53.3	21
Henderson	90	75.3	106.7	134	145.1	116.2	179	91	50.4	36.4	68.4	43
Henry	77.2	66	89.9	172	111.8	91.1	136	105	54.6	42.2	70.1	67
Hickman	85.8	70.1	104	106	143.2	111.3	181.1	76	45.5	30.6	65.5	30
Houston	78.8	56.6	107.5	42	125.7	84.4	181.2	30	41.3	21	75.1	12
Humphreys	89.1	72.5	108.6	101	117.3	87.9	153.4	57	69.7	50.5	94.4	44

# CANCER IN TENNESSEE: 2003-2007

Table 14. Continued

County	BOTH SEXES				MALES				FEMALES			
	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count
<b>ALL RACES</b>												
Jackson	75.3	56.3	99	54	103.4	69.9	148.1	33	54.1	33.3	84.7	21
Jefferson	72	62.2	82.9	199	103.5	85.4	124.3	126	49.2	38.4	62.2	73
Johnson	80.9	65	99.8	92	102.5	76.9	134.3	56	62	43.1	87.3	36
Knox	63.5	60.1	67	1,359	86.5	80.3	93.1	758	48.4	44.6	52.4	601
Lake	115.9	85.1	154.7	47	143.8	94.3	210.3	27	97.9	58.9	155.4	20
Lauderdale	75.7	61.7	92	103	103.9	78.5	134.6	59	58.3	42.2	78.8	44
Lawrence	81.8	70.6	94.3	194	120.9	99.9	145	120	55.7	43.6	70.3	74
Lewis	87.7	66.4	114	58	118.6	81.5	167.1	36	60.6	37.8	92.9	22
Lincoln	74.5	63	87.5	151	119.9	97.9	145.5	106	38.8	28.2	52.5	45
Loudon	64.2	55.2	74.3	190	82.9	67.5	101.1	110	49.7	39.2	62.4	80
McMinn	76.9	67.4	87.4	238	122	102.9	143.5	156	47.5	37.7	59.2	82
McNairy	69.8	57.4	84.1	114	94.7	73.1	120.9	68	52.2	38	70.3	46
Macon	76.4	61	94.5	87	125.9	94.8	163.6	60	44.5	29.2	65.1	27
Madison	61.4	54.5	68.9	289	92.5	79.3	107.2	180	40.5	33.2	49	109
Marion	75.6	62.8	90.4	126	105	81	133.8	75	55.4	41.2	73.4	51
Marshall	77.5	63.7	93.4	112	107.2	82.3	137.1	66	57.1	41.7	76.5	46
Maury	75.6	67.1	84.9	287	102.8	87	120.4	160	58.2	48.5	69.3	127
Meigs	53.8	37.1	75.6	35	62.1	36.7	99.1	20	45.2	25.2	75.4	15
Monroe	71.2	60.9	82.8	173	102.6	83.7	124.5	108	48.3	37.2	61.9	65
Montgomery	72.7	65.5	80.5	383	109	95	124.4	243	47.5	39.9	56.1	140
Moore	54.3	33	85	20	78.9	39.8	140.4	12	^	^	^	^
Morgan	83.9	67.6	103.2	93	114.5	84.8	151	55	64.9	45.8	89.8	38
Obion	75.2	63.7	88.4	153	105.5	84.8	129.9	93	52.1	39.6	67.7	60
Overton	90.9	75	109.3	117	125.9	97.9	159.7	72	62.8	45.7	85	45
Perry	93	67.9	125.2	46	121.6	78.3	180.9	26	70	42.7	110.9	20
Pickett	67.6	43.4	102.5	25	102.3	56.5	173.1	16	^	^	^	^
Polk	94.7	76.1	116.7	92	136.8	103.6	177.6	61	58.3	39.4	83.8	31
Putnam	74.5	65.9	84	273	109.7	93.8	127.5	173	49.1	39.8	59.9	100
Rhea	68.8	56.9	82.5	120	114.8	91.2	142.6	87	33.2	22.8	47.2	33
Roane	79.6	70.5	89.7	282	117.4	100.4	136.6	179	53.1	43.3	64.9	103
Robertson	78.5	68.4	89.7	221	105.4	87.4	126	129	58.6	47.2	71.9	92
Rutherford	66.1	60.3	72.2	510	86.5	76.1	97.8	283	52.3	45.7	59.7	227
Scott	93.5	76.4	113.3	107	131.9	100.8	169.3	66	65.1	46.6	88.8	41
Sequatchie	65.4	47.6	87.7	46	110.9	74.9	157.8	33	33.9	17.9	59	13
Sevier	63.6	56.4	71.4	297	75.7	63.9	89.2	157	54.2	45.5	64.2	140
Shelby	59.4	56.9	61.8	2,323	83.8	79.1	88.7	1,305	43.8	41.2	46.6	1,018
Smith	72.9	56.9	92	72	109.5	79.8	146.5	47	47.3	30.5	70.3	25
Stewart	73.3	55.4	95.5	57	91.7	62.3	130.5	33	56.8	36.3	85.6	24
Sullivan	71.1	66	76.6	726	100	90.6	110.1	432	50.4	44.7	56.7	294
Sumner	62	56.3	68.2	438	89.4	78.5	101.4	268	42.5	36.3	49.5	170
Tipton	79.5	68.7	91.6	200	113.8	93.6	136.8	123	54.4	42.9	68.2	77
Trousdale	88.9	63.3	121.9	40	127.9	80.4	192.9	24	62.5	35.3	104	16
Unicoi	57.4	44.8	72.8	72	92.3	67.7	123.5	48	34	21.5	52.3	24
Union	85.8	68.2	106.8	84	118.1	86.4	157.3	53	60	40.7	85.6	31
Van Buren	48.1	27.9	78.8	17	82.1	44.3	142	14	^	^	^	^
Warren	63.1	53.1	74.5	141	95.4	76.6	117.4	92	38.9	28.7	51.8	49
Washington	61.3	55.4	67.7	397	93.5	82.3	105.8	259	38	31.9	45	138
Wayne	59.9	45.4	77.8	58	98.3	70.1	133.8	42	29.7	16.9	49.6	16

Table 14. Continued

County	BOTH SEXES				MALES				FEMALES			
	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count
<b>ALL RACES</b>												
Weakley	76.5	64.5	90.1	147	103.4	82.1	128.6	83	60.1	46	77.4	64
White	75.6	62.2	91.2	113	112.8	87.5	143.3	72	49	35.1	67.2	41
Williamson	52.6	46.5	59.2	288	76.4	64.3	89.8	172	37.8	31.1	45.3	116
Wilson	62.3	55	70.2	282	93.3	79.1	109.1	181	40.9	33.2	49.9	101
<b>WHITES</b>												
Tennessee	67.8	66.8	68.8	18,609	96.5	94.7	98.3	11,221	47.8	46.7	48.9	7,388
Anderson	70.5	63	78.6	329	90.2	77.1	104.9	173	57.8	48.9	68	156
Bedford	74.8	62.8	88.4	139	108.8	86.3	135.1	85	49.7	37.2	65.2	54
Benton	78.8	63.4	97.4	92	117.2	89.2	152.2	62	49.1	32.9	71.8	30
Bledsoe	59	41.3	81.7	38	96.4	60.7	144.4	26	33.3	17.1	59.7	12
Blount	59.9	54.1	66.2	394	91.4	80.4	103.6	257	37.2	31.2	44.1	137
Bradley	62.9	55.9	70.5	299	97.8	84.2	113.1	197	38.4	31.2	46.7	102
Campbell	97.2	85.3	110.4	246	147.6	124.4	173.9	159	62.7	50	77.8	87
Cannon	51.4	36.3	70.9	38	67.6	40.5	105.6	20	43.8	25.9	70.2	18
Carroll	80	67.2	94.9	140	122.1	98	150.5	91	49.9	36.5	67.2	49
Carter	68.1	59.6	77.5	236	97.9	82.3	115.6	145	45.9	36.9	56.6	91
Cheatham	82.2	68.3	98	132	126.3	99.4	157.8	86	50.2	36.6	67.3	46
Chester	57.6	42.2	77.2	46	71.8	45.7	107.2	24	49.3	30.7	75.7	22
Claiborne	92	78.5	107.3	169	133.7	108.4	163.2	105	62.2	47.9	79.9	64
Clay	70.2	49.4	97.8	38	81.7	49.1	129.6	21	62.3	36.1	102.2	17
Cocke	75.9	64.3	89.1	156	102	81.2	126.6	91	58	44.7	74.3	65
Coffee	61.4	52.8	71.2	181	80.9	65.9	98.5	103	46.9	37	58.9	78
Crockett	56.8	41.2	76.8	44	88.3	59.7	126.4	31	32.7	17.3	57.1	13
Cumberland	59	51.5	67.5	239	79.2	66.7	93.8	152	42.2	33.4	52.9	87
Davidson	66	62.6	69.6	1,404	93.7	87.2	100.5	806	47.3	43.6	51.3	598
Decatur	81.1	62.5	104.3	65	108.6	76.8	150.5	39	59.7	38.5	90.1	26
DeKalb	81.1	64.7	100.6	85	118.6	87.7	156.6	52	56.8	39	80.7	33
Dickson	73.1	62.2	85.5	161	98.4	78.5	121.7	92	56.4	43.8	71.5	69
Dyer	75.2	63.3	88.9	142	120.7	97.3	148	96	43.2	31.5	58.2	46
Fayette	62.3	49	78.1	78	75.1	52.1	104.3	40	56	39.5	77.5	38
Fentress	93.7	75.9	114.6	99	147.6	113	189.6	67	54.6	37.2	78.1	32
Franklin	63.8	54	75	151	84.8	67.7	104.9	89	48.4	37	62.4	62
Gibson	79.4	68.8	91.3	206	122	102.2	144.7	135	47.6	36.9	60.8	71
Giles	79.2	65.9	94.6	126	110.7	86.3	139.9	76	56	41.4	74.7	50
Grainger	90.8	74.3	109.9	111	146.2	112.3	186.6	74	53.7	37.6	74.8	37
Greene	83.9	75.1	93.5	333	117.6	101.5	135.5	202	59.5	49.6	70.9	131
Grundy	51.4	37.2	69.5	44	80.3	54.5	114.4	32	28.4	14.5	50.5	12
Hamblen	82	72.5	92.6	270	125.9	106.9	147.1	168	54	44	65.8	102
Hamilton	62	58.1	66.2	936	88.8	81.4	96.7	549	44.5	40.1	49.2	387
Hancock	92.8	65.6	128.4	38	127.4	77.7	197	21	75.9	44	124	17
Hardeman	69.4	54.5	87.6	75	101.4	75.2	134.5	51	43	27.3	65.7	24
Hardin	78.1	65.1	93.1	130	103.8	80.9	131.3	75	60.8	45.6	80.1	55



# CANCER IN TENNESSEE: 2003-2007

Table 14. Continued

County	BOTH SEXES				MALES				FEMALES			
	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count
<b>WHITES</b>												
Hawkins	66.9	58.2	76.7	216	103.7	86.9	122.8	145	40.7	31.7	51.6	71
Haywood	68.1	49	92.8	42	119	79.4	171.9	30	34	17.4	62	12
Henderson	92.8	77.4	110.4	129	149.9	119.6	185.6	88	51.9	37.1	70.9	41
Henry	73.5	62.2	86.5	152	106.6	85.8	131.4	94	51.4	38.8	67.4	58
Hickman	85.3	69.4	103.8	102	142.9	110.4	181.7	73	45.5	30.4	65.9	29
Houston	79.4	56.8	108.8	41	130.7	87.8	188.5	30	39.3	19.3	73.5	11
Humphreys	90	73.1	110	99	117	87.3	153.7	55	71.6	52	97.1	44
Jackson	75.7	56.7	99.7	54	104.2	70.5	149.2	33	54.4	33.5	85.1	21
Jefferson	70.9	61.1	81.9	192	99.9	82.2	120.4	121	49.2	38.3	62.4	71
Johnson	82	65.9	101.2	92	104.1	78.2	136.5	56	62.5	43.5	88	36
Knox	62.6	59.2	66.2	1,246	84.8	78.4	91.5	693	48.2	44.2	52.4	553
Lake	112.2	79	155.9	38	126.1	76.5	197.9	20	105.1	60.9	173.1	18
Lauderdale	73.1	57.5	91.8	77	107.5	77.7	144.8	46	52.2	35.1	75.5	31
Lawrence	81.5	70.2	94	190	120.8	99.7	145.1	118	55.4	43.2	70.2	72
Lewis	89	67.3	115.7	58	120.3	82.7	169.5	36	61.5	38.4	94.3	22
Lincoln	72.5	60.8	85.9	137	117.5	95	144	97	37.4	26.7	51.6	40
Loudon	64.3	55.3	74.5	188	83.7	68.1	102	110	49.3	38.8	62.2	78
McMinn	75.8	66.1	86.5	225	120.2	100.9	142.2	147	47	37.1	58.9	78
McNairy	70.2	57.5	85.1	109	92.6	70.6	119.4	63	54.9	40	74.2	46
Macon	76.9	61.4	95.1	87	126.7	95.4	164.7	60	44.8	29.4	65.6	27
Madison	58.3	50.7	66.8	211	89.5	74.9	106	136	36.4	28.6	46	75
Marion	77	63.7	92.3	123	106.2	81.5	136	73	57	42.2	75.7	50
Marshall	77.2	62.9	93.8	103	106.9	81.4	137.7	62	55.5	39.7	75.6	41
Maury	75.4	66.3	85.4	252	96.2	80.2	114.4	134	62.2	51.5	74.7	118
Meigs	54.7	37.7	76.9	35	63.1	37.3	100.7	20	46	25.7	76.9	15
Monroe	71.7	61.2	83.5	170	103.1	83.9	125.3	106	48.8	37.5	62.7	64
Montgomery	73	65.2	81.4	326	105.2	90.6	121.3	205	49.5	41	59.1	121
Moore	56.2	34.2	88.1	20	81.5	41.1	145.1	12	^	^	^	^
Morgan	84.7	68.2	104.1	93	115.6	85.7	152.5	55	65.3	46.1	90.3	38
Obion	75.8	63.8	89.6	143	106.5	84.9	132.2	87	52.7	39.6	69.1	56
Overton	91.5	75.5	110.1	117	126.9	98.7	161	72	63.2	45.9	85.5	45
Perry	91.9	66.8	124.1	45	118	75.3	177	25	71.2	43.4	112.9	20
Pickett	65.5	41.6	100.2	24	102.7	56.7	173.7	16	^	^	^	^
Polk	95.2	76.5	117.3	92	137.5	104.1	178.4	61	58.6	39.7	84.3	31
Putnam	75.1	66.4	84.7	270	110.5	94.4	128.6	171	49.5	40.2	60.6	99
Rhea	68.5	56.5	82.3	117	114.2	90.5	142.3	85	33.1	22.5	47.3	32
Roane	80.8	71.5	91.1	278	119.2	101.8	138.8	177	53.9	43.8	66	101
Robertson	77.1	66.6	88.7	199	102.7	84	124.2	114	58.7	46.9	72.7	85
Rutherford	64.7	58.7	71.1	452	84.7	73.9	96.5	249	51.5	44.6	59.2	203
Scott	94.1	76.9	114.1	107	132.5	101.3	170	66	65.7	47	89.6	41
Sequatchie	65.8	47.9	88.2	46	111.2	75.1	158.3	33	34.1	18	59.4	13
Sevier	63.5	56.4	71.4	294	76.4	64.4	89.9	157	53.6	44.9	63.6	137
Shelby	53.2	50.3	56.3	1,240	70.7	65.3	76.5	656	42.3	38.9	45.9	584
Smith	72	55.9	91.4	69	111	80.6	148.9	46	44.8	28.3	67.7	23
Stewart	75.1	56.8	97.9	57	93.4	63.5	133	33	58.2	37.2	87.9	24
Sullivan	71.4	66.2	76.9	715	100.3	90.9	110.5	426	50.5	44.7	56.8	289
Sumner	62.2	56.3	68.6	418	89.2	78	101.4	255	42.8	36.5	50.1	163
Tipton	79.3	67.4	92.7	164	109.1	87.7	133.9	100	56.3	43.2	72.1	64

# CANCER IN TENNESSEE: 2003-2007

Table 14. Continued

County	BOTH SEXES				MALES				FEMALES			
	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count
<b>WHITES</b>												
Trousdale	89.6	62	125.7	35	126.4	76.5	196.3	21	65.1	35.2	111.7	14
Unicoi	56.7	44.2	72.1	71	92.5	67.8	123.7	48	32.6	20.4	50.8	23
Union	86.3	68.5	107.4	84	119	87.1	158.6	53	60.3	40.8	86	31
Van Buren	48.5	28.1	79.5	17	83.1	44.8	143.7	14	^	^	^	^
Warren	61.7	51.7	73.2	134	93.7	74.9	115.8	88	37.3	27.2	50.1	46
Washington	62	55.9	68.5	388	94.8	83.4	107.4	255	38.1	31.8	45.3	133
Wayne	60.9	46.1	79.1	58	100.4	71.7	136.9	42	30	17.1	50.1	16
Weakley	77.6	65.2	91.7	141	103.5	81.7	129.4	79	62	47.3	80.3	62
White	74.4	61	90	109	111.1	85.9	141.5	70	47.3	33.5	65.3	39
Williamson	48.7	42.6	55.3	248	70.4	58.4	83.9	147	35.3	28.7	42.9	101
Wilson	61.3	53.9	69.5	260	90.8	76.3	107	165	41.2	33.2	50.5	95

County	BOTH SEXES				MALES				FEMALES			
	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count
<b>BLACKS</b>												
Tennessee	73.4	70.5	76.3	2,573	112.5	106.6	118.5	1,559	48.6	45.6	51.7	1,014
Anderson	^	^	^	^	^	^	^	^	^	^	^	^
Bedford	^	^	^	^	^	^	^	^	^	^	^	^
Benton	^	^	^	^	^	^	^	^	0.0	0.0	415.3	0
Bledsoe	0.0	0.0	1247.0	0	0.0	0.0	988.4	0	0.0	0.0	5519.3	0
Blount	^	^	^	^	^	^	^	^	^	^	^	^
Bradley	^	^	^	^	^	^	^	^	^	^	^	^
Campbell	^	^	^	^	^	^	^	^	0.0	0.0	1180.3	0
Cannon	^	^	^	^	^	^	^	^	0.0	0.0	1257.9	0
Carroll	113.8	68.5	178.6	19	186.2	98.6	319.1	13	^	^	^	^
Carter	^	^	^	^	0.0	0.0	310.2	0	^	^	^	^
Cheatham	^	^	^	^	^	^	^	^	0.0	0.0	305.3	0
Chester	^	^	^	^	^	^	^	^	0.0	0.0	97.3	0
Claiborne	^	^	^	^	^	^	^	^	0.0	0.0	618.8	0
Clay	0.0	0.0	669.2	0	0.0	0.0	1767.2	0	0.0	0.0	1539.1	0
Cocke	^	^	^	^	^	^	^	^	0.0	0.0	204.0	0
Coffee	^	^	^	^	^	^	^	^	^	^	^	^
Crockett	96.9	45.8	180.0	10	^	^	^	^	^	^	^	^
Cumberland	0.0	0.0	2066.3	0	0.0	0.0	3508.8	0	0.0	0.0	4799.1	0
Davidson	74.3	66.7	82.5	368	102.8	88.0	119.2	197	56.9	48.5	66.2	171
Decatur	0.0	0.0	183.5	0	0.0	0.0	426.2	0	0.0	0.0	369.4	0
DeKalb	^	^	^	^	^	^	^	^	0.0	0.0	693.0	0
Dickson	^	^	^	^	^	^	^	^	^	^	^	^
Dyer	118.3	71.7	181.8	21	150.0	74.7	266.8	12	^	^	^	^
Fayette	68.1	46.7	95.5	33	128.3	83.2	188.0	26	^	^	^	^
Fentress	0.0	0.0	6758.7	0	0.0	0.0	5090.2	0	0.0	0.0	13900.0	0
Franklin	^	^	^	^	^	^	^	^	^	^	^	^
Gibson	73.4	50.7	102.6	34	142.3	93.8	206.5	28	^	^	^	^
Giles	84.1	47.7	138.0	16	115.1	54.5	214.9	10	^	^	^	^
Grainger	0.0	0.0	1580.9	0	0.0	0.0	2742.1	0	0.0	0.0	6437.3	0

# CANCER IN TENNESSEE: 2003-2007

Table 14. Continued

County	BOTH SEXES				MALES				FEMALES			
	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count
<b>BLACKS</b>												
Greene	^	^	^	^	^	^	^	^	0.0	0.0	100.8	0
Grundy	0.0	0.0	3348.1	0	0.0	0.0	9970.2	0	0.0	0.0	3502.2	0
Hamblen	78.4	37.1	145.2	10	^	^	^	^	^	^	^	^
Hamilton	75.5	65.5	86.5	211	111.8	92.4	134.0	125	52.0	41.5	64.3	86
Hancock	0.0	0.0	6436.3	0	0.0	0.0	8642.4	0	0.0	0.0	10545.0	0
Hardeman	75.8	50.4	108.6	29	142.1	86.2	216.8	21	^	^	^	^
Hardin	^	^	^	^	^	^	^	^	^	^	^	^
Hawkins	^	^	^	^	^	^	^	^	0.0	0.0	174.4	0
Haywood	72.3	48.5	103.1	30	133.7	81.9	203.8	21	^	^	^	^
Henderson	^	^	^	^	^	^	^	^	^	^	^	^
Henry	128.6	77.3	201.4	19	189.2	93.7	337.6	11	^	^	^	^
Hickman	^	^	^	^	^	^	^	^	^	^	^	^
Houston	0.0	0.0	264.6	0	0.0	0.0	522.6	0	0.0	0.0	606.6	0
Humphreys	^	^	^	^	^	^	^	^	0.0	0.0	266.5	0
Jackson	0.0	0.0	8542.4	0	0.0	0.0	8832.4	0	0.0	0.0	4753.4	0
Jefferson	^	^	^	^	^	^	^	^	^	^	^	^
Johnson	0.0	0.0	733.5	0	0.0	0.0	1735.5	0	0.0	0.0	7090.5	0
Knox	82.5	67.4	99.7	108	125.8	95.1	162.5	63	55.1	40.1	73.8	45
Lake	^	^	^	^	^	^	^	^	^	^	^	^
Lauderdale	79.7	51.5	116.9	26	94.0	48.7	160.7	13	70.5	37.2	120.5	13
Lawrence	^	^	^	^	^	^	^	^	^	^	^	^
Lewis	0.0	0.0	570.5	0	0.0	0.0	1057.5	0	0.0	0.0	1294.5	0
Lincoln	111.0	60.4	187.6	14	^	^	^	^	^	^	^	^
Loudon	^	^	^	^	0.0	0.0	472.5	0	^	^	^	^
McMinn	114.5	58.9	199.3	12	^	^	^	^	^	^	^	^
McNairy	^	^	^	^	^	^	^	^	0.0	0.0	91.9	0
Macon	0.0	0.0	1828.3	0	0.0	0.0	2988.3	0	0.0	0.0	5460.8	0
Madison	71.0	55.8	88.8	78	101.9	72.6	138.0	44	53.4	36.8	74.5	34
Marion	^	^	^	^	^	^	^	^	^	^	^	^
Marshall	^	^	^	^	^	^	^	^	^	^	^	^
Maury	78.4	54.3	109.1	35	157.6	100.8	232.4	26	^	^	^	^
Meigs	0.0	0.0	586.3	0	0.0	0.0	1266.6	0	0.0	0.0	1404.9	0
Monroe	^	^	^	^	^	^	^	^	^	^	^	^
Montgomery	85.7	63.8	111.9	55	151.9	103.2	212.5	38	46.1	26.5	73.2	17
Moore	0.0	0.0	629.9	0	0.0	0.0	1465.4	0	0.0	0.0	1154.6	0
Morgan	0.0	0.0	1205.2	0	0.0	0.0	2172.2	0	0.0	0.0	8430.8	0
Obion	71.2	34.0	129.9	10	^	^	^	^	^	^	^	^
Overton	0.0	0.0	1517.4	0	0.0	0.0	3008.1	0	0.0	0.0	3896.6	0
Perry	0.0	0.0	630.4	0	0.0	0.0	2026.3	0	0.0	0.0	1305.8	0
Pickett	0.0	0.0	10532.4	0	0.0	0.0	18736.2	0	0.0	0.0	5344.4	0
Polk	0.0	0.0	3528.5	0	0.0	0.0	4718.5	0	0.0	0.0	4303.8	0
Putnam	^	^	^	^	^	^	^	^	^	^	^	^
Rhea	^	^	^	^	^	^	^	^	^	^	^	^
Roane	^	^	^	^	^	^	^	^	^	^	^	^
Robertson	97.6	61.0	147.8	22	148.7	82.4	246.1	15	^	^	^	^
Rutherford	93.9	69.8	122.9	54	125.7	83.2	180.6	32	69.7	43.3	105.0	22
Scott	0.0	0.0	2757.3	0	0.0	0.0	3838.2	0	0.0	0.0	10547.6	0
Sequatchie	0.0	0.0	10967.3	0	0.0	0.0	5803.4	0	0.0	0.0	16029.5	0

# CANCER IN TENNESSEE: 2003-2007

Table 14. Continued

County	BOTH SEXES				MALES				FEMALES			
	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count
<b>BLACKS</b>												
Sevier	^	^	^	^	0.0	0.0	616.9	0	^	^	^	^
Shelby	69.0	64.8	73.5	1,067	106.3	97.6	115.5	640	46.4	42.0	51.1	427
Smith	^	^	^	^	^	^	^	^	^	^	^	^
Stewart	0.0	0.0	511.9	0	0.0	0.0	1052.9	0	0.0	0.0	1507.7	0
Sullivan	71.8	35.7	129.3	11	^	^	^	^	^	^	^	^
Sumner	64.3	38.1	100.2	19	101.4	49.0	180.0	12	^	^	^	^
Tipton	83.3	58.1	115.3	36	140.2	87.1	211.6	23	49.9	26.5	85.2	13
Trousdale	^	^	^	^	^	^	^	^	^	^	^	^
Unicoi	0.0	0.0	5034.3	0	0.0	0.0	4705.7	0	0.0	0.0	9628.7	0
Union	0.0	0.0	7732.0	0	0.0	0.0	8082.5	0	0.0	0.0	4258.6	0
Van Buren	0.0	0.0	5707.9	0	0.0	0.0	6388.9	0	0.0	0.0	3666.3	0
Warren	^	^	^	^	^	^	^	^	^	^	^	^
Washington	^	^	^	^	^	^	^	^	^	^	^	^
Wayne	0.0	0.0	408.5	0	0.0	0.0	1593.7	0	0.0	0.0	1542.3	0
Weakley	^	^	^	^	^	^	^	^	^	^	^	^
White	^	^	^	^	^	^	^	^	^	^	^	^
Williamson	130.3	90.9	180.0	38	205.2	129.7	305.8	25	80.8	41.8	139.2	13
Wilson	83.9	52.0	127.4	22	155.7	84.2	258.7	16	^	^	^	^

Note: ^ Due to concerns regarding privacy, statistics were suppressed when there were 1-9 reported cases.

## COLORECTAL CANCER

**Table 15.** Colorectal Cancer. Annual Case Counts, Age-Adjusted Incidence Rates per 100,000 Population, and 95% Confidence Intervals (CI), by Year, Sex and Race, Tennessee, 2003-2007.

	BOTH SEXES				MALES				FEMALES			
	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count
<b>ALL RACES</b>												
<b>2003-2007</b>	81.9	80.9	82.9	25,772	112.1	110.3	114	15,163	60.5	59.4	61.7	10,609
<b>2003</b>	77.7	75.5	80	4,704	105.4	101.4	109.5	2,752	57.9	55.3	60.5	1,952
<b>2004</b>	84.1	81.8	86.4	5,160	118.9	114.7	123.3	3,132	59.3	56.7	61.9	2,028
<b>2005</b>	84.3	82	86.6	5,296	115.6	111.4	119.8	3,126	62.1	59.5	64.8	2,170
<b>2006</b>	83.3	81.1	85.6	5,361	114	109.9	118.1	3,143	61.7	59.1	64.3	2,218
<b>2007</b>	80.1	78	82.4	5,251	106.8	102.9	110.8	3,010	61.5	59	64.1	2,241
<b>WHITES</b>												
<b>2003-2007</b>	82.3	81.3	83.4	22,728	112.1	110.1	114	13,428	61	59.8	62.3	9,300
<b>2003</b>	78.7	76.3	81.1	4,185	106	101.7	110.4	2,453	59	56.2	61.8	1,732
<b>2004</b>	84.3	81.8	86.8	4,542	118.3	113.9	122.9	2,768	59.7	56.9	62.5	1,774
<b>2005</b>	83.7	81.3	86.1	4,611	114.5	110.1	118.9	2,741	61.6	58.8	64.4	1,870
<b>2006</b>	83.8	81.4	86.2	4,728	114.4	110.1	118.9	2,794	61.8	59.1	64.7	1,934
<b>2007</b>	81.2	78.9	83.6	4,662	107.2	103.1	111.5	2,672	62.9	60.2	65.8	1,990
<b>BLACKS</b>												
<b>2003-2007</b>	79.2	76.2	82.2	2,865	112.5	106.8	118.4	1,639	57.7	54.5	61.1	1,226
<b>2003</b>	70.6	64.3	77.2	491	100.6	88.7	113.6	282	50.8	44.1	58.2	209
<b>2004</b>	84	77.2	91.1	594	125.9	112.4	140.5	350	58	50.9	65.9	244
<b>2005</b>	90.2	83.2	97.6	649	127.3	113.9	141.7	367	66.5	58.9	74.8	282
<b>2006</b>	79.7	73.2	86.6	586	108.4	96.1	121.7	324	61.1	53.8	69	262
<b>2007</b>	71.9	65.8	78.4	545	100.6	89	113.1	316	52.7	46	60.1	229



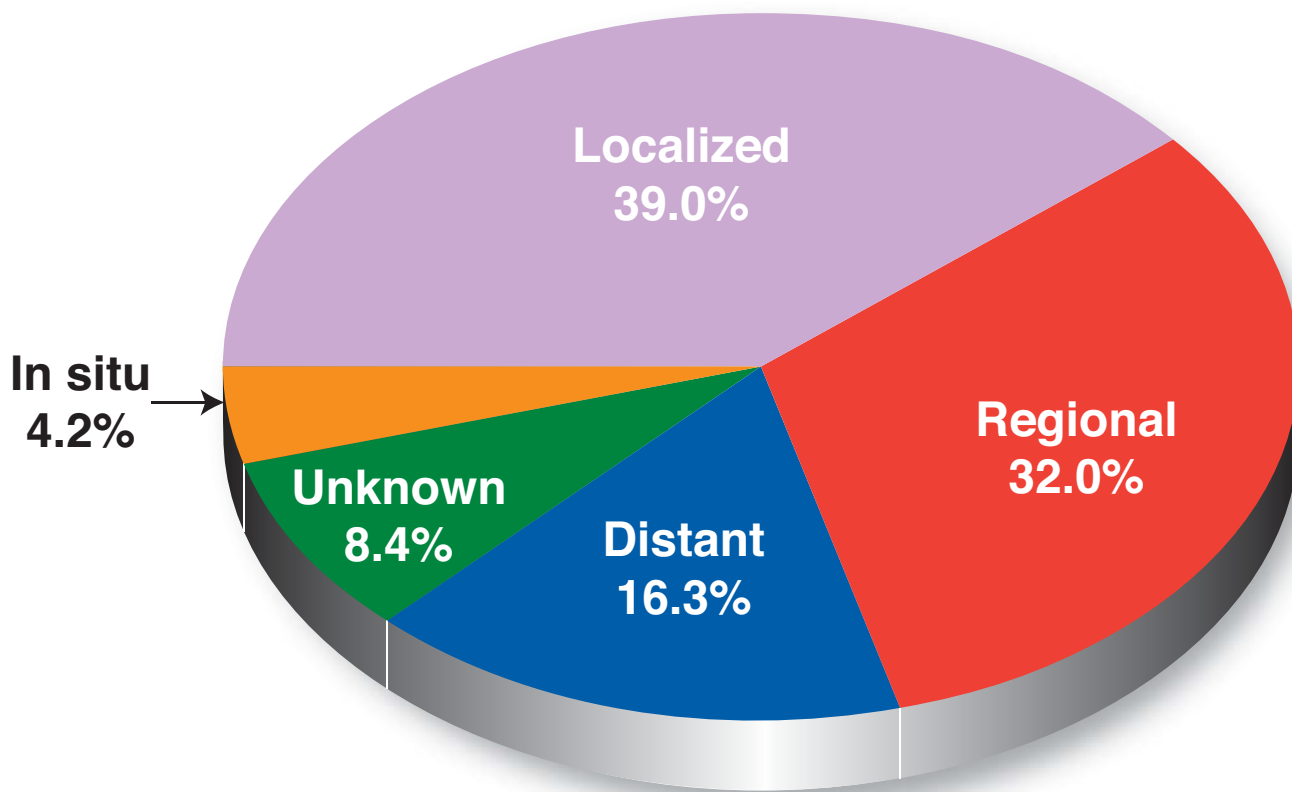
# CANCER IN TENNESSEE: 2003-2007

**Table 16.** Colorectal Cancer. Five-Year Case Counts, Average Annual Age-Specific Incidence Rates per 100,000 Population and 95% Confidence Intervals (CI) for All Races Combined, by Sex, 2003-2007, Tennessee.

Age at Diagnosis	BOTH SEXES				MALES				FEMALES			
	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count
0	0	0	0.9	0	0	0	1.8	0	0	0	1.9	0
01-04	^	^	^	^	^	^	^	^	0	0	0.5	0
05-09	^	^	^	^	0	0	0.4	0	^	^	^	^
10-14	^	^	^	^	^	^	^	^	^	^	^	^
15-19	^	^	^	^	^	^	^	^	^	^	^	^
20-24	0.7	0.4	1.2	14	^	^	^	^	^	^	^	^
25-29	1.9	1.4	2.6	38	1.9	1.1	3	19	1.9	1.2	3	19
30-34	5.4	4.4	6.5	111	5.6	4.2	7.2	58	5.1	3.9	6.7	53
35-39	9.5	8.2	10.9	201	8.1	6.5	10.1	86	10.8	8.9	13	115
40-44	19.6	17.8	21.5	445	21.1	18.5	24	236	18.2	15.8	20.8	209
45-49	34.7	32.4	37.2	787	38	34.5	41.9	421	31.6	28.4	35	366
50-54	62.1	58.8	65.6	1,297	71	66	76.4	722	53.7	49.4	58.3	575
55-59	92.3	88	96.9	1,673	105.6	98.9	112.7	928	79.8	74.2	85.8	745
60-64	126.8	121	132.8	1,812	149.7	140.6	159.1	1,022	105.9	98.6	113.5	790
65-69	178.2	170.6	186.2	2,022	212.5	200.2	225.3	1,120	148.5	139	158.6	902
70-74	226.3	216.6	236.3	2,058	264.7	249	281.1	1,062	195.9	183.9	208.5	996
75-79	275.8	263.9	288.1	2,015	350.1	329.1	372.1	1,037	225.2	211.3	239.7	978
80-84	314.8	299.8	330.3	1,657	381.7	354.1	410.8	711	278.1	260.7	296.4	946
85+	303.4	287.8	319.6	1,424	387.8	354	423.9	484	272.8	255.6	290.8	940

Note: ^ Due to concerns regarding privacy, statistics were suppressed when there were 1-9 reported cases.

Figure 13: Colorectal Cancer by Stage, Tennessee, 2003-2007



# CANCER IN TENNESSEE: 2003-2007

**Table 17. Colorectal Cancer. Five-Year Case Counts, Average Annual Age-Adjusted Incidence Rates per 100,000 Population, and 95% Confidence Intervals (CI), by County, Sex, and Race, Tennessee, 2003-2007.**

County	BOTH SEXES				MALES				FEMALES			
	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count
<b>ALL RACES</b>												
Tennessee	49.8	49	50.6	15,562	59.1	57.7	60.4	7,918	43.1	42.2	44.1	7,644
Anderson	52.4	46	59.5	245	64.7	53.8	77.3	127	45.3	37.2	54.6	118
Bedford	49.7	40.5	60.3	103	55.6	41.2	73.4	51	44.8	33.4	59	52
Benton	44.1	32.4	59	49	43.7	27	67.5	22	45.5	29.5	68	27
Bledsoe	48.1	32.5	68.6	32	54.3	29.1	91.4	16	47	26.7	77.6	16
Blount	41.9	37.1	47.1	281	48.4	40.6	57.2	143	36.6	30.7	43.4	138
Bradley	46	40.1	52.5	225	60.8	50.4	72.8	129	35.2	28.5	43.1	96
Campbell	52.6	43.9	62.6	131	70	54.5	88.5	75	39	29.3	51.1	56
Cannon	43	29.4	61	32	42	22.4	71.8	14	40.3	23.6	65.2	18
Carroll	57.4	47	69.6	109	78.6	60	101.3	61	43.4	31.7	58.6	48
Carter	37.9	31.7	45.1	132	40.4	30.8	52.2	62	34.7	26.9	44.2	70
Cheatham	45.3	35.5	57	77	50.9	35	71	39	41.7	29.3	57.5	38
Chester	30.8	20.2	45	27	42.5	24	69.5	16	24.1	12	43.6	11
Claiborne	64.4	53	77.5	115	71.5	53.5	93.8	57	57.9	43.9	75.3	58
Clay	42.1	26.2	64.9	22	54.7	28.2	97.2	13	^	^	^	^
Cocke	47.1	37.9	57.8	94	52.3	37.2	71.3	44	44.8	33.1	59.4	50
Coffee	52.3	44.3	61.4	154	58.6	45.8	73.8	75	48.8	38.5	61.1	79
Crockett	46.3	32.9	63.5	40	51.6	31.4	80.3	20	41.1	24.7	64.9	20
Cumberland	43.8	37.4	51.2	177	53.3	43	65.6	101	35.1	27.4	44.6	76
Davidson	48.5	45.9	51.2	1,326	58.6	54.1	63.4	657	42.2	39	45.6	669
Decatur	55.1	40	74.6	45	65	41.3	98.7	24	48.6	29.5	77	21
DeKalb	59.9	46	76.9	63	73.7	50	104.7	33	51	34.2	73.6	30
Dickson	63.4	53.4	74.7	144	66.1	50.7	84.7	67	60.5	47.7	75.8	77
Dyer	47.3	38.3	57.8	98	52.5	38.3	70.3	47	43.6	32.3	57.7	51
Fayette	33.3	25.3	43	60	31.7	20.6	46.7	27	34.5	23.7	48.7	33
Fentress	63.7	48.9	81.6	65	79.2	55	110.8	36	50.8	33.8	74	29
Franklin	54.6	45.6	65	131	67.4	52.2	85.8	70	46.2	35.1	59.9	61
Gibson	53.1	45.2	62.2	163	69.2	55.4	85.4	88	42	32.7	53.3	75
Giles	55.7	45	68.3	96	64.4	47	86.1	48	49	35.9	65.7	48
Grainger	49	37.2	63.5	60	50.4	32.6	74.3	28	48.9	33.3	69.6	32
Greene	44.5	38.2	51.7	178	50.4	40	62.7	86	40.6	32.7	50.1	92
Grundy	54.9	39.9	73.9	45	45.3	26	73.5	17	62.7	41.1	92.1	28
Hamblen	42.5	35.8	50.2	144	56.6	44.5	70.9	81	33	25.3	42.5	63
Hamilton	48.7	45.5	52.1	873	58	52.6	63.8	435	42	38.1	46.2	438
Hancock	^	^	^	^	^	^	^	^	^	^	^	^
Hardeman	48.1	37.5	60.8	71	55.7	39.4	76.4	39	39.2	26.6	55.9	32
Hardin	37.2	28.6	47.8	65	46.4	31.8	65.7	35	32.7	21.9	47.4	30
Hawkins	41.1	34.4	48.8	134	53.7	41.9	67.7	77	31.8	24	41.4	57
Haywood	62.3	48	79.5	65	67.9	45	98.1	29	57.7	40.2	80.6	36
Henderson	55.9	44.6	69.3	85	58.9	41.4	81.3	39	55.9	40.8	75	46
Henry	49.6	40.5	60.3	107	51.2	37.7	68.2	50	47.6	35.8	62.6	57
Hickman	56.6	43.9	72	68	63.3	43.5	88.8	36	50.6	34.4	71.9	32
Houston	49.8	32	74.5	25	64.9	35.9	108.7	15	33.2	15.8	64	10
Humphreys	48.4	36.3	63.5	55	65.3	44.1	93.3	33	34.2	21.3	52.8	22
Jackson	55.2	38.5	77	36	81.8	51	124.6	23	36.7	19.4	64.4	13

# CANCER IN TENNESSEE: 2003-2007

Table 17. Continued

County	BOTH SEXES				MALES				FEMALES			
	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count
<b>ALL RACES</b>												
Jefferson	50.9	42.6	60.3	138	63.5	49.4	80.4	76	41.5	31.8	53.6	62
Johnson	43.6	32.3	58.1	50	43.3	27.2	66	23	44	28.7	65.6	27
Knox	46.3	43.4	49.3	993	57.9	52.9	63.2	518	38.2	34.8	41.8	475
Lake	37.6	21	62.5	15	^	^	^	^	^	^	^	^
Lauderdale	62.1	49.4	77.1	84	65.2	46.2	89.3	40	56.3	40.6	76.3	44
Lawrence	49.9	41.3	59.8	119	63.4	48.7	81.2	65	39.5	29.5	52	54
Lewis	49.6	34	70.3	33	66.5	39.5	105.1	20	36.5	19.3	63.5	13
Lincoln	57.4	47.3	69.2	114	75.5	58.2	96.4	67	41	30	55.2	47
Loudon	46.7	39.1	55.5	139	59	45.7	75.1	75	38.4	29.4	49.6	64
McMinn	48.5	40.9	57.2	145	65.4	51.7	81.6	84	36.2	27.6	46.8	61
McNairy	71.9	58.9	87.1	109	80.2	60.1	105.1	55	68.2	50.8	89.9	54
Macon	58.2	44.7	74.5	64	68.9	46.7	97.7	33	50.6	34.1	72.4	31
Madison	53	46.7	60	254	67.8	56.6	80.4	134	42.8	35.4	51.3	120
Marion	49.1	38.7	61.5	79	47.8	32.9	67.3	37	47.3	34	64.4	42
Marshall	60.7	48.7	74.8	89	69	49.2	93.7	42	55.4	40.6	74.1	47
Mauzy	48.8	42.1	56.3	190	60.5	48.8	74	100	41	32.9	50.5	90
Meigs	62.6	44.4	85.9	41	73.5	45.4	113.3	23	50.8	29.8	81.8	18
Monroe	44.6	36.4	54.1	105	49.1	36.5	64.6	54	40.5	30	53.5	51
Montgomery	48	42.2	54.3	259	56	46.2	67	129	42.6	35.6	50.7	130
Moore	31.4	16.1	56.3	12	^	^	^	^	^	^	^	^
Morgan	74.8	59.1	93.4	80	94.1	67.4	127.6	45	60.3	41.9	84.6	35
Obion	62.3	51.6	74.6	122	78.5	60.4	100.4	66	50.2	37.7	65.7	56
Overton	46.7	35.5	60.5	60	49.5	32.9	72.1	29	43.7	29.5	62.9	31
Perry	63.5	43.2	90.8	32	53.9	27.5	96.4	12	68.3	41.6	108.5	20
Pickett	55.4	33.6	88.2	20	79	39.5	143.9	12	^	^	^	^
Polk	37.7	26.3	52.6	36	39.2	22.2	64.2	17	38.1	22.8	60.4	19
Putnam	61.5	53.6	70.2	220	67	54.8	81	108	54.6	44.8	66	112
Rhea	55.1	44.5	67.6	96	73.5	55.1	96.2	57	40.9	28.8	56.5	39
Roane	46.9	39.9	54.9	162	57	45	71.3	82	40.6	32.1	51	80
Robertson	55.1	46.6	64.6	154	60.1	46.9	75.8	77	50	39.4	62.5	77
Rutherford	43.5	38.9	48.4	349	46.9	39.5	55.1	168	40.6	34.9	47.1	181
Scott	57.1	43.8	73.1	64	92.3	65.7	125.6	43	32.7	20.2	50.5	21
Sequatchie	36.3	22.9	54.7	23	46.6	24.3	80.3	13	28	13.3	52.1	10
Sevier	49.6	43.2	56.7	223	57.5	47.1	69.6	115	43.5	35.6	52.7	108
Shelby	55.9	53.6	58.2	2,260	66.7	62.6	70.9	1,096	48.8	46	51.7	1,164
Smith	57.6	43.6	74.7	58	68.7	45.2	99.9	28	52.9	35.5	76.2	30
Stewart	61.6	45.3	82.2	48	89	60.7	126.5	33	36.4	20.3	61.2	15
Sullivan	43.2	39.2	47.6	429	46.8	40.4	53.9	200	40.5	35.3	46.3	229
Sumner	47.7	42.7	53.2	339	60.8	52	70.6	189	37.5	31.7	44.1	150
Tipton	53.1	44.3	63.1	134	50	37.1	65.7	57	55.7	43.9	69.7	77
Trousdale	61.5	39.9	90.7	26	68.8	37.2	117.3	14	51.7	26.5	91.9	12
Unicoi	39.6	29.3	52.8	50	41.3	25.1	64.6	20	40.1	26.8	58.9	30
Union	51.6	38.2	68.3	51	72.8	46.8	107.5	29	40	25	61.1	22
Van Buren	40.5	21.3	70.7	13	^	^	^	^	^	^	^	^
Warren	56.8	47.3	67.7	127	65.5	50.3	83.9	65	49.9	38.1	64.3	62
Washington	47	41.8	52.6	305	60	51	70.2	163	38.3	32.2	45.4	142
Wayne	60.3	45.4	78.6	56	80.8	56.2	112.6	36	41.4	25	65.3	20
Weakley	47.9	38.6	58.9	93	54.5	39.6	73.3	45	42.4	31	57	48

# CANCER IN TENNESSEE: 2003-2007

Table 17. Continued

County	BOTH SEXES				MALES				FEMALES			
	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count
<b>ALL RACES</b>												
White	58.6	46.8	72.7	86	63.7	45	87.5	41	56.7	41.2	76.7	45
Williamson	48.9	43.3	55	310	51.6	42.5	61.9	147	46.9	39.8	54.9	163
Wilson	47.5	41.3	54.3	227	52.9	43.2	64.2	120	42.3	34.5	51.2	107
County	BOTH SEXES				MALES				FEMALES			
	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count
<b>WHITES</b>												
Tennessee	48.4	47.5	49.2	13,209	57.8	56.4	59.3	6,831	41.4	40.4	42.4	6,378
Anderson	51.3	44.8	58.5	230	62.2	51.4	74.8	118	44.8	36.7	54.4	112
Bedford	49.7	40.1	60.9	94	53.8	39.2	71.9	46	45.5	33.4	60.6	48
Benton	44.3	32.4	59.4	48	44.5	27.5	68.9	22	45.6	29.3	68.7	26
Bledsoe	49.3	33.3	70.4	32	55.5	29.9	93.4	16	47.8	27.1	78.8	16
Blount	42.3	37.4	47.7	276	49	41.1	58	141	36.9	30.8	43.8	135
Bradley	47.5	41.4	54.2	224	63	52.2	75.4	129	36.1	29.2	44.3	95
Campbell	53	44.2	63	131	70.5	54.9	89.1	75	39.2	29.5	51.5	56
Cannon	43.8	29.9	62.2	32	42.9	23	73.2	14	41.1	24.1	66.4	18
Carroll	58.1	47.1	71.1	100	82	62.1	106.5	58	41.5	29.5	57.3	42
Carter	38.4	32.1	45.6	132	40.8	31.1	52.7	62	35.1	27.3	44.8	70
Cheatham	45.2	35.3	57	75	49.4	33.6	69.6	37	42.8	30.1	59	38
Chester	30.9	20	45.9	25	41	22.1	69.4	14	26.1	13	47.6	11
Claiborne	65.2	53.7	78.5	115	72.4	54.1	94.9	57	58.7	44.4	76.3	58
Cocke	43.1	26.8	66.5	22	55.9	28.8	99.5	13	^	^	^	^
Coy	47	37.7	57.8	92	51.8	36.7	71	43	44.9	33.2	59.8	49
Coffee	52.6	44.5	61.9	150	58.9	45.9	74.4	73	49.1	38.6	61.8	77
Crockett	45.1	31	63.6	34	53.2	31.4	85	18	36.9	20.6	61.8	16
Cumberland	43.6	37.1	51	175	53	42.7	65.4	100	34.8	27.2	44.4	75
Davidson	46.4	43.5	49.4	995	56.7	51.7	62	498	40.2	36.7	44	497
Decatur	55.9	40.4	76.1	44	66.8	42.4	101.5	24	49.2	29.5	78.7	20
DeKalb	59.2	45.2	76.3	61	73.5	49.5	104.9	32	49.9	33.3	72.6	29
Dickson	63.8	53.6	75.4	139	64.4	48.9	83.1	63	62.3	49	78.2	76
Dyer	45.2	36	56.1	85	44.7	31.3	61.8	38	45	32.8	60.5	47
Fayette	30.1	21.2	41.5	39	30	17.2	48.7	18	31	19.1	48	21
Fentress	62.4	47.8	80.3	63	78	53.8	109.5	35	49.5	32.6	72.6	28
Franklin	54.3	45	65	123	66.7	51.2	85.5	66	45.9	34.5	60.1	57
Gibson	52.5	43.8	62.4	135	71.1	56	89.2	77	38.6	28.8	51	58
Giles	56.2	44.7	69.7	85	70.3	51	94.6	46	46	32.5	63.6	39
Grainger	48.3	36.6	62.8	59	47.7	30.6	71	27	49.3	33.6	70.2	32
Greene	44.6	38.2	51.8	175	50.5	40.1	62.9	85	40.4	32.4	50	90
Grundy	55.3	40.2	74.4	45	45.6	26.2	74.1	17	63.2	41.5	92.8	28
Hamblen	42.3	35.4	50.1	137	58.1	45.6	72.8	80	31.5	23.7	41.1	57
Hamilton	48.4	44.9	52.1	725	57	51.1	63.3	360	42.1	37.8	46.8	365
Hancock	^	^	^	^	^	^	^	^	^	^	^	^
Hardeman	44.3	32.3	59.6	46	54	35.5	79.6	27	32.4	19.2	52.6	19
Hardin	35.8	27.3	46.4	61	45.5	30.8	65.1	33	30.9	20.5	45.5	28

# CANCER IN TENNESSEE: 2003-2007

Table 17. Continued

County	BOTH SEXES				MALES				FEMALES			
	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count
<b>WHITES</b>												
Hawkins	41.3	34.5	49.1	132	53.4	41.5	67.5	75	32.4	24.5	42.2	57
Haywood	56.1	38.7	79.4	34	59.1	32.5	99.3	15	52.8	31.1	85.6	19
Henderson	53.7	42.3	67.5	76	59.4	41.3	82.8	37	51.2	36.3	70.5	39
Henry	49.5	40	60.7	98	50	36.3	67.6	46	48.1	35.6	64.2	52
Hickman	57	44	72.7	66	62.5	42.4	88.5	34	52.1	35.5	74.1	32
Houston	51.5	33.1	77.2	25	67.5	37.4	113.2	15	34.2	16.2	66.1	10
Humphreys	48.9	36.6	64.3	54	67.2	45.4	96	33	33.8	20.8	52.9	21
Jackson	53.8	37.3	75.4	35	78.3	48.2	120.5	22	36.9	19.5	64.8	13
Jefferson	50.3	42.1	59.8	134	63.2	49.1	80	75	40.4	30.6	52.4	59
Johnson	44.2	32.7	58.8	50	44.1	27.7	67.2	23	44.3	28.9	66.1	27
Knox	46	43	49.1	914	58.2	53	63.8	483	37.6	34.1	41.3	431
Lake	43.4	23.6	74.5	14	^	^	^	^	^	^	^	^
Lauderdale	64.7	49.7	82.9	65	68.6	46.4	97.9	32	57.2	38.8	81.8	33
Lawrence	49.4	40.8	59.4	116	61.5	46.9	79.3	62	40.2	30	53	54
Lewis	50.4	34.5	71.3	33	67.4	40	106.4	20	37.1	19.6	64.6	13
Lincoln	54.9	44.7	66.9	102	71.3	54	92.6	59	40.7	29.3	55.5	43
Loudon	47	39.3	55.8	138	59	45.6	75.2	74	38.8	29.7	50.3	64
McMinn	50.2	42.3	59.3	144	68.1	53.8	85	84	37.3	28.3	48.4	60
McNairy	66.5	53.7	81.6	97	76	56	101	50	61.6	44.8	83.1	47
Macon	58.6	45	75	64	69.4	47.1	98.3	33	51	34.4	73	31
Madison	50	43	57.9	183	64.9	52.6	79.3	99	40	31.8	49.8	84
Marion	47.2	36.8	59.7	73	46.2	31.2	66.2	34	46.2	32.8	63.7	39
Marshall	61.2	48.7	76	83	70.5	49.9	96.5	40	54.6	39.3	74	43
Maury	45.4	38.5	53.2	155	55	43.4	68.7	82	38.2	29.9	48.1	73
Meigs	63.6	45.1	87.3	41	74.7	46.1	115.1	23	51.6	30.3	83.1	18
Monroe	43.7	35.4	53.3	100	48.6	36	64.3	52	39.2	28.8	52.3	48
Montgomery	45.6	39.5	52.3	206	53.3	43.1	65	105	40.2	32.7	48.9	101
Moore	32.4	16.6	58.1	12	^	^	^	^	^	^	^	^
Morgan	75.5	59.7	94.3	80	95.3	68.3	129.2	45	60.7	42.2	85.1	35
Obion	63.7	52.5	76.7	115	79.4	60.6	102.4	62	51.5	38.4	68.2	53
Overton	47	35.7	61	60	49.9	33.1	72.6	29	43.9	29.6	63.3	31
Perry	62.3	42.1	89.7	31	50.2	24.7	92.4	11	69.7	42.4	110.8	20
Pickett	53.1	31.7	85.5	19	79.1	39.5	144	12	^	^	^	^
Polk	37.9	26.4	52.9	36	39.3	22.3	64.4	17	38.3	22.9	60.7	19
Putnam	60.9	53	69.7	214	67.2	54.9	81.4	106	53.5	43.8	65	108
Rhea	54.5	43.9	67.1	93	72.8	54.3	95.7	55	40.2	28.3	55.9	38
Roane	46.6	39.5	54.7	156	55.4	43.4	69.8	77	41.4	32.7	52.1	79
Robertson	54.5	45.8	64.4	140	63.6	49.3	80.6	74	46.4	35.9	59.2	66
Rutherford	42.4	37.6	47.5	307	45.6	38.1	54.1	150	39.4	33.4	46.2	157
Scott	57.4	44.1	73.6	64	92.7	66	126.2	43	33	20.3	50.9	21
Sequatchie	36.5	23.1	55	23	46.7	24.3	80.5	13	28.2	13.4	52.5	10
Sevier	50.1	43.6	57.2	223	58	47.5	70.2	115	44	36	53.3	108
Shelby	49	46.2	52	1,163	61.5	56.6	66.8	601	40.1	36.9	43.7	562
Smith	59.4	45	77.1	58	70.7	46.4	102.7	28	54.7	36.8	78.9	30
Stewart	62.2	45.5	83.2	47	90.9	62	129.3	33	35.1	19.1	60.1	14
Sullivan	43	38.9	47.4	419	47	40.6	54.2	197	39.8	34.7	45.6	222
Sumner	46.8	41.7	52.4	314	60	51	70	175	36.8	30.8	43.5	139
Tipton	53.5	43.8	64.7	110	50.7	36.2	68.8	47	56.8	43.6	72.9	63



# CANCER IN TENNESSEE: 2003-2007

Table 17. Continued

County	BOTH SEXES				MALES				FEMALES			
	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count
<b>WHITES</b>												
Trousdale	60.9	38.3	92.2	23	77.8	42	132.8	14	^	^	^	^
Unicoi	39	28.8	52.1	49	39.3	23.5	62.2	19	40.2	26.9	59.1	30
Union	50.9	37.6	67.6	50	73.5	47.1	108.5	29	38.2	23.6	59	21
Van Buren	40.8	21.5	71.2	13	^	^	^	^	^	^	^	^
Warren	55.7	46.2	66.7	120	62.9	47.8	81.4	60	50.3	38.3	65.1	60
Washington	47.9	42.6	53.7	300	61.2	51.9	71.6	160	39.1	32.8	46.3	140
Wayne	61.2	45.9	80	55	82.2	56.9	115.3	35	42	25.3	66.1	20
Weakley	46.2	36.8	57.4	85	52	37.2	71	41	40.9	29.4	55.8	44
White	55.9	44.2	69.9	80	63.7	44.9	87.9	40	51.6	36.7	71	40
Williamson	48.7	43	54.9	290	51.3	42	62	138	46.8	39.4	55	152
Wilson	46.8	40.5	53.8	208	52.9	42.8	64.6	111	41.3	33.3	50.5	97

County	BOTH SEXES				MALES				FEMALES			
	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count
<b>BLACKS</b>												
Tennessee	59.1	56.6	61.7	2,185	67.0	62.6	71.6	999	54.2	51.2	57.5	1,186
Anderson	113.8	61.7	190.2	14	^	^	^	^	^	^	^	^
Bedford	^	^	^	^	^	^	^	^	^	^	^	^
Benton	^	^	^	^	0.0	0.0	553.0	0	^	^	^	^
Bledsoe	0.0	0.0	1247.0	0	0.0	0.0	988.4	0	0.0	0.0	5519.3	0
Blount	^	^	^	^	^	^	^	^	^	^	^	^
Bradley	^	^	^	^	0.0	0.0	57.3	0	^	^	^	^
Campbell	0.0	0.0	565.6	0	0.0	0.0	2747.7	0	0.0	0.0	1180.3	0
Cannon	0.0	0.0	461.6	0	0.0	0.0	1011.2	0	0.0	0.0	1257.9	0
Carroll	^	^	^	^	^	^	^	^	^	^	^	^
Carter	0.0	0.0	133.9	0	0.0	0.0	310.2	0	0.0	0.0	286.2	0
Cheatham	^	^	^	^	^	^	^	^	0.0	0.0	305.3	0
Chester	^	^	^	^	^	^	^	^	0.0	0.0	97.3	0
Claiborne	0.0	0.0	332.3	0	0.0	0.0	888.5	0	0.0	0.0	618.8	0
Clay	0.0	0.0	669.2	0	0.0	0.0	1767.2	0	0.0	0.0	1539.1	0
Cocke	^	^	^	^	^	^	^	^	^	^	^	^
Coffee	^	^	^	^	^	^	^	^	0.0	0.0	81.3	0
Crockett	^	^	^	^	^	^	^	^	^	^	^	^
Cumberland	0.0	0.0	2066.3	0	0.0	0.0	3508.8	0	0.0	0.0	4799.1	0
Davidson	57.1	50.7	64.0	309	67.0	55.6	79.7	148	51.0	43.3	59.6	161
Decatur	^	^	^	^	0.0	0.0	426.2	0	^	^	^	^
DeKalb	^	^	^	^	^	^	^	^	^	^	^	^
Dickson	^	^	^	^	^	^	^	^	^	^	^	^
Dyer	63.8	30.4	114.9	11	^	^	^	^	^	^	^	^
Fayette	41.4	25.2	63.8	20	^	^	^	^	39.0	19.4	69.8	11
Fentress	^	^	^	^	^	^	^	^	^	^	^	^
Franklin	^	^	^	^	^	^	^	^	^	^	^	^
Gibson	57.4	38.0	83.3	28	58.0	28.6	103.7	11	60.2	34.9	97.0	17
Giles	52.7	26.2	96.2	11	^	^	^	^	^	^	^	^

# CANCER IN TENNESSEE: 2003-2007

Table 17. Continued

County	BOTH SEXES				MALES				FEMALES			
	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count
<b>BLACKS</b>												
Grainger	0.0	0.0	1580.9	0	0.0	0.0	2742.1	0	0.0	0.0	6437.3	0
Greene	^	^	^	^	^	^	^	^	^	^	^	^
Grundy	0.0	0.0	3348.1	0	0.0	0.0	9970.2	0	0.0	0.0	3502.2	0
Hamblen	^	^	^	^	^	^	^	^	^	^	^	^
Hamilton	49.0	41.0	58.0	138	59.3	45.4	75.8	68	42.4	33.0	53.7	70
Hancock	0.0	0.0	6436.3	0	0.0	0.0	8642.4	0	0.0	0.0	10545.0	0
Hardeman	60.4	38.6	89.2	25	67.2	33.3	118.3	12	54.1	28.5	92.5	13
Hardin	^	^	^	^	0.0	0.0	191.1	0	^	^	^	^
Hawkins	^	^	^	^	^	^	^	^	0.0	0.0	174.4	0
Haywood	71.5	48.4	101.6	31	85.6	46.0	143.4	14	63.1	36.5	101.4	17
Henderson	^	^	^	^	^	^	^	^	^	^	^	^
Henry	^	^	^	^	^	^	^	^	^	^	^	^
Hickman	^	^	^	^	^	^	^	^	0.0	0.0	318.4	0
Houston	0.0	0.0	264.6	0	0.0	0.0	522.6	0	0.0	0.0	606.6	0
Humphreys	0.0	0.0	141.1	0	0.0	0.0	418.5	0	0.0	0.0	266.5	0
Jackson	0.0	0.0	8542.4	0	0.0	0.0	8832.4	0	0.0	0.0	4753.4	0
Jefferson	^	^	^	^	^	^	^	^	^	^	^	^
Johnson	0.0	0.0	733.5	0	0.0	0.0	1735.5	0	0.0	0.0	7090.5	0
Knox	45.9	35.2	58.8	64	46.1	29.5	68.2	27	43.9	30.8	60.6	37
Lake	^	^	^	^	0.0	0.0	123.2	0	^	^	^	^
Lauderdale	55.2	32.3	87.0	18	^	^	^	^	53.2	26.0	96.2	11
Lawrence	^	^	^	^	^	^	^	^	0.0	0.0	257.0	0
Lewis	0.0	0.0	570.5	0	0.0	0.0	1057.5	0	0.0	0.0	1294.5	0
Lincoln	97.6	50.1	171.7	12	^	^	^	^	^	^	^	^
Loudon	^	^	^	^	^	^	^	^	0.0	0.0	323.9	0
McMinn	0.0	0.0	32.6	0	0.0	0.0	77.5	0	0.0	0.0	61.4	0
McNairy	170.3	87.3	297.3	12	^	^	^	^	^	^	^	^
Macon	0.0	0.0	1828.3	0	0.0	0.0	2988.3	0	0.0	0.0	5460.8	0
Madison	59.9	46.2	76.1	69	74.5	50.2	105.5	34	49.6	34.2	69.3	35
Marion	^	^	^	^	^	^	^	^	^	^	^	^
Marshall	^	^	^	^	^	^	^	^	^	^	^	^
Maury	71.7	48.8	101.4	32	107.0	60.8	171.8	17	56.7	31.6	93.4	15
Meigs	0.0	0.0	586.3	0	0.0	0.0	1266.6	0	0.0	0.0	1404.9	0
Monroe	^	^	^	^	0.0	0.0	191.6	0	^	^	^	^
Montgomery	59.5	42.2	81.0	44	66.4	38.0	105.6	21	54.7	34.0	82.3	23
Moore	0.0	0.0	629.9	0	0.0	0.0	1465.4	0	0.0	0.0	1154.6	0
Morgan	0.0	0.0	1205.2	0	0.0	0.0	2172.2	0	0.0	0.0	8430.8	0
Obion	^	^	^	^	^	^	^	^	^	^	^	^
Overton	0.0	0.0	1517.4	0	0.0	0.0	3008.1	0	0.0	0.0	3896.6	0
Perry	^	^	^	^	^	^	^	^	0.0	0.0	1305.8	0
Pickett	^	^	^	^	0.0	0.0	18736.2	0	^	^	^	^
Polk	0.0	0.0	3528.5	0	0.0	0.0	4718.5	0	0.0	0.0	4303.8	0
Putnam	^	^	^	^	^	^	^	^	^	^	^	^
Rhea	^	^	^	^	^	^	^	^	^	^	^	^
Roane	^	^	^	^	^	^	^	^	^	^	^	^
Robertson	61.5	32.6	104.8	13	^	^	^	^	82.8	39.5	151.9	10
Rutherford	61.5	42.7	85.1	38	75.2	40.5	124.3	16	56.1	34.7	85.3	22

# CANCER IN TENNESSEE: 2003-2007

Table 17. Continued

County	BOTH SEXES				MALES				FEMALES			
	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count
<b>BLACKS</b>												
Scott	0.0	0.0	2757.3	0	0.0	0.0	3838.2	0	0.0	0.0	10547.6	0
Sequatchie	0.0	0.0	10967.3	0	0.0	0.0	5803.4	0	0.0	0.0	16029.5	0
Sevier	0.0	0.0	211.1	0	0.0	0.0	616.9	0	0.0	0.0	427.1	0
Shelby	64.5	60.5	68.7	1,053	72.4	65.3	79.9	467	59.9	55.0	65.0	586
Smith	0.0	0.0	155.2	0	0.0	0.0	381.7	0	0.0	0.0	292.0	0
Stewart	^	^	^	^	0.0	0.0	1052.9	0	^	^	^	^
Sullivan	^	^	^	^	^	^	^	^	^	^	^	^
Sumner	63.9	39.7	96.7	23	81.8	42.2	142.4	14	^	^	^	^
Tipton	48.8	29.7	74.9	20	^	^	^	^	55.2	30.1	92.4	14
Trousdale	^	^	^	^	0.0	0.0	208.7	0	^	^	^	^
Unicoi	0.0	0.0	5034.3	0	0.0	0.0	4705.7	0	0.0	0.0	9628.7	0
Union	0.0	0.0	7732.0	0	0.0	0.0	8082.5	0	0.0	0.0	4258.6	0
Van Buren	0.0	0.0	5707.9	0	0.0	0.0	6388.9	0	0.0	0.0	3666.3	0
Warren	^	^	^	^	^	^	^	^	^	^	^	^
Washington	^	^	^	^	^	^	^	^	^	^	^	^
Wayne	^	^	^	^	^	^	^	^	0.0	0.0	1542.3	0
Weakley	^	^	^	^	^	^	^	^	^	^	^	^
White	^	^	^	^	0.0	0.0	421.2	0	^	^	^	^
Williamson	50.9	29.1	82.4	17	^	^	^	^	48.2	23.0	90.0	10
Wilson	64.4	38.0	101.7	19	^	^	^	^	62.8	29.6	116.6	10

Note: ^ Due to concerns regarding privacy, statistics were suppressed when there were 1-9 reported cases.

# CANCER IN TENNESSEE: 2003-2007

**Table 18.** Colorectal Cancer. Annual Death Counts, Age-Adjusted Mortality Rates per 100,000 Population, and 95% Confidence Intervals (CI), by Year, Sex and Race, Tennessee, 2003-2007.

	BOTH SEXES				MALES				FEMALES			
	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count
<b>ALL RACES</b>												
<b>2003-2007</b>	19.1	18.6	19.6	5,877	23.8	22.9	24.7	2,994	15.8	15.2	16.4	2,883
<b>2003</b>	20.6	19.5	21.8	1,217	25.7	23.6	27.9	611	17.2	15.8	18.6	606
<b>2004</b>	19.3	18.2	20.5	1,157	23.6	21.6	25.6	572	16.4	15	17.8	585
<b>2005</b>	18.9	17.8	20	1,160	24.7	22.7	26.8	612	15	13.8	16.4	548
<b>2006</b>	17.7	16.7	18.8	1,114	21.5	19.7	23.4	558	14.9	13.7	16.3	556
<b>2007</b>	19	17.9	20.1	1,229	23.5	21.7	25.5	641	15.6	14.3	16.9	588
<b>WHITES</b>												
<b>2003-2007</b>	17.8	17.3	18.3	4,808	22.2	21.3	23.1	2,476	14.6	14	15.2	2,332
<b>2003</b>	19.1	17.9	20.3	992	24	21.9	26.2	507	15.6	14.3	17.1	485
<b>2004</b>	18.2	17.1	19.4	962	22.5	20.5	24.7	484	15.3	13.9	16.7	478
<b>2005</b>	17.5	16.4	18.7	946	23.4	21.4	25.6	512	13.6	12.3	14.9	434
<b>2006</b>	16.2	15.2	17.4	900	19.4	17.6	21.3	448	13.9	12.6	15.2	452
<b>2007</b>	17.8	16.7	19	1,008	22	20.1	24	525	14.7	13.4	16.1	483
<b>BLACKS</b>												
<b>2003-2007</b>	30	28.1	31.9	1,041	37.6	34.2	41.3	499	25.3	23.2	27.6	542
<b>2003</b>	33.7	29.3	38.5	221	42	33.8	51.3	102	28.9	23.9	34.6	119
<b>2004</b>	28.5	24.5	32.9	192	33.3	26.3	41.4	86	25.3	20.7	30.6	106
<b>2005</b>	30.6	26.5	35.1	210	35.3	28.1	43.6	96	27.6	22.7	33.2	114
<b>2006</b>	29.6	25.6	34	208	41.3	33.3	50.4	105	23.1	18.8	28.1	103
<b>2007</b>	27.4	23.7	31.5	210	36.1	29.1	44.1	110	21.9	17.8	26.7	100

# CANCER IN TENNESSEE: 2003-2007

**Table 19.** Colorectal Cancer. Five-Year Death Counts, Average Annual Age-Specific Mortality Rates per 100,000 Population and 95% Confidence Intervals (CI) for All Races Combined, by Sex, 2003-2007, Tennessee.

Age at Diagnosis	BOTH SEXES				MALES				FEMALES			
	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count
0	0	0	0.9	0	0	0	1.8	0	0	0	1.9	0
01-04	0	0	0.2	0	0	0	0.5	0	0	0	0.5	0
05-09	0	0	0.2	0	0	0	0.4	0	0	0	0.4	0
10-14	^	^	^	^	^	^	^	^	0	0	0.4	0
15-19	^	^	^	^	0	0	0.3	0	^	^	^	^
20-24	^	^	^	^	^	^	^	^	^	^	^	^
25-29	0.6	0.3	1	11	^	^	^	^	^	^	^	^
30-34	1.8	1.3	2.5	37	1.8	1.1	2.9	19	1.7	1	2.8	18
35-39	2.4	1.8	3.2	51	2.5	1.6	3.6	26	2.3	1.5	3.5	25
40-44	4.9	4.1	5.9	112	5.3	4	6.8	59	4.6	3.4	6	53
45-49	9.1	7.9	10.4	206	10.1	8.3	12.2	112	8.1	6.6	9.9	94
50-54	18	16.2	19.9	375	21.5	18.8	24.6	219	14.6	12.4	17	156
55-59	27.8	25.4	30.4	504	34.7	30.9	38.8	305	21.3	18.5	24.5	199
60-64	37.6	34.5	41	538	49.9	44.8	55.5	341	26.4	22.8	30.4	197
65-69	54.3	50.1	58.8	616	64.7	58	71.9	341	45.3	40.1	51	275
70-74	79.8	74.1	85.8	726	101	91.4	111.3	405	63.1	56.4	70.4	321
75-79	114.3	106.7	122.3	835	148.9	135.3	163.5	441	90.7	82	100.1	394
80-84	160.7	150.1	171.9	846	208.8	188.6	230.6	389	134.3	122.3	147.2	457
85+	216	202.9	229.8	1,014	262	234.4	292	327	199.4	184.8	214.9	687

Note: ^ Due to concerns regarding privacy, statistics were suppressed when there were 1-9 reported cases.

# CANCER IN TENNESSEE: 2003-2007

**Table 20.** Colorectal Cancer. Five-Year Death Counts, Average Annual Age-Adjusted Mortality Rates per 100,000 Population, and 95% Confidence Intervals (CI), by County, Sex, and Race, Tennessee, 2003-2007.

County	TOTAL				MALES				FEMALES			
	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count
<b>ALL RACES</b>												
Tennessee	19.1	18.6	19.6	5,877	23.8	22.9	24.7	2,994	15.8	15.2	16.4	2,883
Anderson	19.4	15.7	23.9	94	26.4	19.5	34.9	50	15.3	11	20.9	44
Bedford	21.4	15.6	28.7	45	25.1	15.9	37.7	24	17	10.5	26.2	21
Benton	15.2	8.9	24.9	18	18.6	8.7	36.1	10	^	^	^	^
Bledsoe	16.9	8.1	31	11	^	^	^	^	^	^	^	^
Blount	14.8	12	18	99	20.2	15.1	26.4	56	10.7	7.7	14.6	43
Bradley	16.9	13.4	21.2	79	20.4	14.2	28.3	38	14.6	10.4	19.9	41
Campbell	22.3	16.7	29.2	55	27.3	17.7	40.3	28	18.7	12.2	27.7	27
Cannon	19.8	11	32.9	15	^	^	^	^	^	^	^	^
Carroll	28.3	21.3	37.1	57	46.9	32.7	65.3	36	15.2	9.3	24.5	21
Carter	21.9	17.2	27.5	76	27.7	19.5	38.2	39	17.5	12.2	24.5	37
Cheatham	15.1	9.5	22.5	24	24.4	13.5	40	17	^	^	^	^
Chester	22.2	13.3	34.8	19	^	^	^	^	21.3	10.2	39.8	10
Claiborne	17.7	11.9	25.4	30	16.1	7.8	29.2	11	19	11.4	30.1	19
Clay	28.7	15.6	49	14	^	^	^	^	^	^	^	^
Cocke	18.1	12.6	25.2	36	24.7	14.5	39	20	14	8	23.2	16
Coffee	20.5	15.6	26.5	60	19.1	11.9	28.8	23	22.2	15.6	31	37
Crockett	23.6	14.7	36.3	22	28.5	14.1	51.6	11	19.8	9.6	37.4	11
Cumberland	13	9.6	17.4	52	16.7	11.1	24.6	30	10.1	6.2	15.9	22
Davidson	18.3	16.7	20	496	23.8	20.9	27	250	14.8	13	16.8	246
Decatur	24.8	15.1	39.1	20	34	17.4	61	12	^	^	^	^
DeKalb	14.7	8.4	24.2	16	^	^	^	^	^	^	^	^
Dickson	23.3	17.4	30.6	53	28.6	18.6	41.9	28	18.5	11.9	27.5	25
Dyer	18.9	13.5	25.9	40	20.2	12	31.9	19	16.7	10.3	26	21
Fayette	17.2	11.6	24.5	31	20.5	11.1	34.2	15	15.7	8.9	25.8	16
Fentress	21.9	13.6	33.4	22	28.6	14.5	50.7	12	17.6	8.4	33.5	10
Franklin	19.7	14.5	26.3	48	25.4	16.2	37.8	25	17	10.7	25.8	23
Gibson	26.1	20.8	32.4	85	32.5	23.3	44.3	41	22.5	16.1	30.8	44
Giles	23.2	16.6	31.7	41	30.8	18.9	47.2	22	16.8	10	27.2	19
Grainger	18.7	11.7	28.3	23	21.2	11.1	37.1	13	15.4	7.4	29	10
Greene	19.8	15.6	24.7	79	24.3	17.3	33.2	43	16.2	11.3	22.7	36
Grundy	25.9	16.2	39.6	22	32.9	16.8	58.1	12	19.9	9.5	38	10
Hamblen	22.4	17.6	28.2	75	34	24.5	45.9	46	14.5	9.7	21	29
Hamilton	16.4	14.6	18.4	295	22.5	19	26.4	155	12.7	10.7	15.1	140
Hancock	^	^	^	^	^	^	^	^	^	^	^	^
Hardeman	29.6	21.5	39.8	44	29.7	18.1	46.1	20	28.3	17.9	42.9	24
Hardin	14.6	9.4	21.9	25	22.5	12.5	37.5	16	^	^	^	^
Hawkins	16.5	12.3	21.7	53	23.1	15.6	33	32	11.1	6.8	17.3	21
Haywood	24.7	16.1	36.4	26	26.6	12.5	48.7	10	23.8	13.4	39.5	16
Henderson	19.5	13	28.1	29	26.4	14.3	44.2	15	17.1	9.3	29	14
Henry	20.3	14.7	27.5	44	16.6	9.6	27.3	17	21.4	13.8	32.2	27
Hickman	23.6	15.6	34.2	28	28.6	15.5	47.8	15	20.6	10.9	35.7	13
Houston	^	^	^	^	^	^	^	^	^	^	^	^
Humphreys	20	12.3	30.8	21	27.9	14.7	48.3	13	^	^	^	^



# CANCER IN TENNESSEE: 2003-2007

Table 20. Continued

County	TOTAL				MALES				FEMALES			
	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count
<b>ALL RACES</b>												
Jackson	25.9	15.2	41.7	18	35.9	18.3	64.9	12	^	^	^	^
Jefferson	14	9.9	19.4	38	17.5	10.2	27.9	19	12.2	7.3	19.4	19
Johnson	14.3	8.3	23.5	17	^	^	^	^	16.8	8.2	32.2	11
Knox	16.4	14.7	18.2	348	20.3	17.3	23.6	174	13.5	11.5	15.7	174
Lake	^	^	^	^	^	^	^	^	^	^	^	^
Lauderdale	33.3	24.1	44.8	44	35.7	21.6	55.3	20	31.2	19.7	47	24
Lawrence	19.4	14.1	26.1	45	19.3	11.7	30.1	20	18.7	12	28	25
Lewis	27.3	15.8	44	17	^	^	^	^	^	^	^	^
Lincoln	27.1	20.3	35.5	54	38.9	26.4	55.4	32	17.9	11.1	27.8	22
Loudon	16.4	11.9	22.2	45	18	11	27.9	22	14	8.7	21.7	23
McMinn	20.6	15.7	26.5	61	28.7	19.4	40.7	33	15.9	10.5	23.4	28
McNairy	25.2	17.9	34.7	39	25.5	14.7	41.2	17	25.7	15.9	39.8	22
Macon	22.5	14.4	33.3	25	24.1	11.5	43.8	11	20.8	11.2	35.8	14
Madison	17.9	14.3	22.1	87	23	16.8	30.8	46	13.8	9.9	18.9	41
Marion	14.9	9.3	22.6	23	^	^	^	^	16.5	9.2	27.7	15
Marshall	15.8	10	23.9	23	18.4	9	33.1	11	13.8	7	24.5	12
Maury	18.9	14.8	23.8	73	18.8	12.5	27.1	30	18.6	13.4	25.2	43
Meigs	^	^	^	^	^	^	^	^	^	^	^	^
Monroe	13.5	9.2	19.1	32	15.5	8.6	25.5	16	12	6.8	19.8	16
Montgomery	16.5	13.1	20.4	86	17.6	12.3	24.4	40	15.3	11.2	20.5	46
Moore	^	^	^	^	0	0	26.8	0	^	^	^	^
Morgan	18.3	10.9	28.8	19	31.3	17	52.5	15	^	^	^	^
Obion	19.1	13.5	26.3	39	24.7	15.1	38.1	21	13.9	8.1	22.8	18
Overton	21.9	14.4	32.2	27	21.9	11	39.1	12	21.4	11.7	36.4	15
Perry	25.4	13.1	45.4	12	^	^	^	^	^	^	^	^
Pickett	^	^	^	^	^	^	^	^	^	^	^	^
Polk	22.2	13.7	34.3	21	29.7	14.6	53.3	12	^	^	^	^
Putnam	15.9	12	20.7	57	16.6	10.7	24.5	25	14.9	10.1	21.3	32
Rhea	17.6	11.8	25.3	30	21.6	12.2	35.5	16	13.6	7.4	23.5	14
Roane	17.3	13	22.6	57	19.7	12.8	29.1	27	16.2	10.8	23.7	30
Robertson	20.9	15.8	27.1	57	26.2	17.6	37.2	33	15.4	9.9	23	24
Rutherford	18.4	15.4	21.8	136	21.2	16.1	27.3	67	16.3	12.6	20.6	69
Scott	24.9	16.5	36.2	28	35.2	19.9	57.2	17	16.3	8.1	29.8	11
Sequatchie	16.4	8.1	29.6	11	^	^	^	^	^	^	^	^
Sevier	15.9	12.3	20.2	69	19.7	13.2	28	34	14.2	9.9	19.9	35
Shelby	23	21.5	24.6	903	28.1	25.4	31.1	426	19.9	18.1	21.7	477
Smith	26.1	17	38.5	26	30.9	15.6	54.1	12	24.8	13.4	42.5	14
Stewart	24.1	14	38.8	17	30.5	14.2	57.1	10	^	^	^	^
Sullivan	18.3	15.7	21.2	185	24.5	19.8	29.9	101	13.8	11	17.2	84
Sumner	17	14	20.4	116	22.2	17	28.6	66	12.7	9.4	16.8	50
Tipton	21.8	16.2	28.7	52	24.1	14.5	37.1	22	21.6	14.5	30.9	30
Trousdale	^	^	^	^	^	^	^	^	^	^	^	^
Unicoi	22.5	15.1	32.9	29	23.8	12.1	42.4	12	22.7	13.2	38.1	17
Union	14.9	7.8	25.5	13	25.6	11.3	48.7	10	^	^	^	^
Van Buren	^	^	^	^	^	^	^	^	^	^	^	^
Warren	17.8	12.8	24.3	41	25.5	16.3	38	25	12.2	6.9	20.1	16
Washington	18.7	15.5	22.4	121	27	20.9	34.2	70	13.2	9.8	17.6	51

# CANCER IN TENNESSEE: 2003-2007

Table 20. Continued

County	TOTAL				MALES				FEMALES			
	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count
<b>ALL RACES</b>												
Wayne	17.7	10.1	28.9	16	27.6	13.6	49.7	11	^	^	^	^
Weakley	21.3	15.3	29	42	26.5	16.1	41.1	20	19.7	12.1	30.7	22
White	18.2	11.8	26.9	26	23.3	12.9	38.9	15	13	6.5	24.2	11
Williamson	16.7	13.4	20.6	97	18.8	13.4	25.5	50	14.5	10.6	19.3	47
Wilson	16.7	13	21	76	17.1	11.9	23.9	39	14.7	10.3	20.4	37

County	TOTAL				MALES				FEMALES			
	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count
<b>WHITES</b>												
Tennessee	17.8	17.3	18.3	4,808	22.2	21.3	23.1	2,476	14.6	14	15.2	2,332
Anderson	19.3	15.5	23.9	90	25.9	18.9	34.6	47	15.4	11	21.3	43
Bedford	20.3	14.4	27.9	39	23.2	14	36	20	16.9	10.1	26.7	19
Benton	15.5	9.1	25.4	18	18.9	8.8	36.7	10	^	^	^	^
Bledsoe	17.3	8.3	31.6	11	^	^	^	^	^	^	^	^
Blount	15.1	12.2	18.4	98	20.5	15.3	26.8	55	11.1	8	15.1	43
Bradley	17.3	13.6	21.6	78	20.5	14.1	28.6	37	15.1	10.8	20.6	41
Campbell	22.4	16.8	29.4	55	27.5	17.9	40.6	28	18.8	12.3	27.9	27
Cannon	20.1	11.2	33.4	15	^	^	^	^	^	^	^	^
Carroll	25.3	18.5	34.1	47	42.4	28.5	60.9	30	12.8	7.3	21.9	17
Carter	22.2	17.4	27.8	76	28	19.7	38.6	39	17.7	12.4	24.8	37
Cheatham	14.6	9.1	22.1	23	23.1	12.5	38.6	16	^	^	^	^
Chester	24	14.4	37.7	19	^	^	^	^	23.1	11	43.3	10
Claiborne	17.9	12.1	25.7	30	16.3	7.9	29.6	11	19.2	11.5	30.5	19
Clay	29.5	16	50.4	14	^	^	^	^	^	^	^	^
Cocke	17.9	12.4	25.1	35	25.1	14.8	39.7	20	13.4	7.5	22.6	15
Coffee	20.1	15.2	26.1	57	18	11	27.8	21	22.4	15.6	31.4	36
Crockett	20.8	12.1	34	17	^	^	^	^	^	^	^	^
Cumberland	13.1	9.7	17.5	52	16.8	11.1	24.7	30	10.1	6.2	16	22
Davidson	16.1	14.5	17.9	349	20.6	17.5	23.9	173	13.4	11.5	15.6	176
Decatur	25.7	15.6	40.7	20	35.2	18	63.2	12	^	^	^	^
DeKalb	14.2	7.9	23.7	15	^	^	^	^	^	^	^	^
Dickson	22.5	16.6	29.8	49	27.6	17.6	41.1	26	17.6	11.1	26.7	23
Dyer	18.2	12.6	25.5	35	19.7	11.3	32	17	16.2	9.5	26.1	18
Fayette	17.5	10.8	26.8	22	20.9	9.5	39	10	17.2	8.8	30.7	12
Fentress	22	13.7	33.6	22	28.9	14.6	51.3	12	17.7	8.4	33.6	10
Franklin	19.5	14.2	26.2	45	24.5	15.3	37.2	23	17.2	10.7	26.4	22
Gibson	21.9	16.7	28.4	61	29.6	20.2	42.1	32	16.9	11.2	25.3	29
Giles	20.1	13.6	28.8	31	33.6	20.4	52.1	21	10.7	5	20.6	10
Grainger	17.9	11.1	27.4	22	19.2	9.8	34.5	12	15.6	7.4	29.2	10
Greene	19.9	15.7	24.9	78	24.7	17.6	33.8	43	16	11.1	22.6	35
Grundy	26.1	16.3	39.9	22	33.2	17	58.7	12	20.1	9.6	38.4	10
Hamblen	22.3	17.4	28.2	72	34	24.4	46.1	45	14.1	9.3	20.7	27
Hamilton	15.1	13.2	17.2	229	20.1	16.6	24.1	119	12	9.8	14.6	110

# CANCER IN TENNESSEE: 2003-2007

Table 20. Continued

County	TOTAL				MALES				FEMALES			
	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count
<b>WHITES</b>												
Hancock	^	^	^	^	^	^	^	^	^	^	^	^
Hardeman	26.1	17.2	38.3	28	25.9	13.7	45.3	13	24.9	13.5	43.4	15
Hardin	15.1	9.7	22.7	25	23.3	12.9	38.7	16	^	^	^	^
Hawkins	16.6	12.4	21.9	52	23	15.4	33.1	31	11.3	7	17.7	21
Haywood	26.8	15.6	43.9	17	^	^	^	^	29.6	15.1	55.1	12
Henderson	18.7	12.2	27.6	26	25.3	13	43.8	13	16.9	9	29.4	13
Henry	18.6	13.1	25.9	38	15.5	8.6	26.4	15	18.8	11.7	29.5	23
Hickman	24.4	16.2	35.4	28	29.6	16.1	49.6	15	21.3	11.2	36.8	13
Houston	^	^	^	^	^	^	^	^	^	^	^	^
Humphreys	20.6	12.7	31.7	21	28.7	15.1	49.8	13	^	^	^	^
Jackson	24.3	14.1	39.7	17	32.3	15.9	60.1	11	^	^	^	^
Jefferson	13.6	9.5	19	36	17.9	10.4	28.6	19	11.2	6.5	18.2	17
Johnson	14.5	8.4	23.8	17	^	^	^	^	16.9	8.2	32.4	11
Knox	15.5	13.8	17.3	305	19.9	16.8	23.3	159	12.1	10.2	14.3	146
Lake	^	^	^	^	^	^	^	^	^	^	^	^
Lauderdale	29.7	19.8	43	29	27.2	13.8	48.1	12	30.6	17.5	50.3	17
Lawrence	19.8	14.4	26.6	45	19.7	11.9	30.6	20	19	12.2	28.5	25
Lewis	27.7	16.1	44.6	17	^	^	^	^	^	^	^	^
Lincoln	24.7	18	33.1	46	37.7	25	54.6	29	14.8	8.6	24.6	17
Loudon	16.3	11.8	22.2	44	17.7	10.7	27.6	21	14.2	8.8	22	23
McMinn	20.3	15.4	26.4	58	28.1	18.7	40.3	31	16.1	10.5	23.8	27
McNairy	23.6	16.4	33.2	35	25.2	14.2	41.4	16	23.3	13.8	37.4	19
Macon	22.6	14.5	33.5	25	24.2	11.6	44	11	20.9	11.3	35.9	14
Madison	15.4	11.6	20	57	20.9	14.2	29.6	32	11.1	7.1	16.8	25
Marion	14.2	8.7	22.1	21	^	^	^	^	16.1	8.8	27.7	14
Marshall	14.3	8.6	22.4	19	16.9	8	31.3	10	^	^	^	^
Maury	16.4	12.4	21.3	56	15.4	9.5	23.6	22	16.5	11.4	23.3	34
Meigs	^	^	^	^	^	^	^	^	^	^	^	^
Monroe	12.9	8.7	18.5	30	13.4	7.1	22.9	14	12.3	7	20.4	16
Montgomery	15.6	12.1	19.8	69	15.4	10.1	22.4	30	15.5	11	21.2	39
Moore	^	^	^	^	0	0	27.6	0	^	^	^	^
Morgan	18.5	11.1	29.2	19	31.8	17.3	53.4	15	^	^	^	^
Obion	19.7	13.9	27.5	37	24.8	15	38.8	20	14.5	8.3	24.2	17
Overton	22	14.5	32.4	27	22	11.1	39.4	12	21.5	11.8	36.6	15
Perry	25.9	13.3	46.1	12	^	^	^	^	^	^	^	^
Pickett	^	^	^	^	^	^	^	^	^	^	^	^
Polk	22.3	13.7	34.5	21	29.8	14.7	53.5	12	^	^	^	^
Putnam	15.9	12	20.7	56	16.9	10.9	25	25	14.7	9.9	21.1	31
Rhea	17.4	11.6	25.2	29	20.7	11.4	34.7	15	14	7.6	24.2	14
Roane	17.5	13.2	22.9	56	20.2	13.2	29.8	27	16.2	10.7	23.8	29
Robertson	20	14.8	26.4	50	25.5	16.6	37.1	29	14.8	9.1	22.6	21
Rutherford	18.5	15.3	22.1	125	21.1	15.8	27.4	62	16.4	12.6	21	63
Scott	25.1	16.6	36.4	28	35.3	20	57.5	17	16.4	8.2	30	11
Sequatchie	16.4	8.1	29.7	11	^	^	^	^	^	^	^	^
Sevier	16	12.4	20.4	69	19.9	13.4	28.3	34	14.3	10	20.1	35
Shelby	16.8	15.2	18.6	400	20.4	17.4	23.6	183	14.6	12.7	16.8	217
Smith	26.1	16.9	38.8	25	31.8	16.1	55.7	12	24	12.6	41.9	13

# CANCER IN TENNESSEE: 2003-2007

Table 20. Continued

County	TOTAL				MALES				FEMALES			
	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count
<b>WHITES</b>												
Stewart	24.7	14.4	39.9	17	31.1	14.5	58.3	10	^	^	^	^
Sullivan	18.3	15.8	21.3	182	24.7	20	30.2	100	13.7	10.9	17.2	82
Sumner	16.6	13.5	20.1	107	21.8	16.5	28.3	61	12.4	9.1	16.6	46
Tipton	21.4	15.2	29.2	41	24.6	13.7	39.9	18	20.8	13.2	31.4	23
Trousdale	^	^	^	^	^	^	^	^	^	^	^	^
Unicoi	22.6	15.1	33	29	23.8	12.2	42.5	12	22.8	13.2	38.3	17
Union	15	7.9	25.7	13	25.8	11.4	49.2	10	^	^	^	^
Van Buren	^	^	^	^	^	^	^	^	^	^	^	^
Warren	17.2	12.1	23.7	38	23.5	14.5	35.8	22	12.6	7.2	20.9	16
Washington	19.2	15.9	23	120	27.8	21.6	35.3	70	13.5	9.9	18	50
Wayne	17.1	9.5	28.5	15	25.6	12.1	47.6	10	^	^	^	^
Weakley	21.2	15.1	29.2	40	27.7	16.8	43	20	18.6	11.1	29.7	20
White	17.8	11.5	26.5	25	23.8	13.2	39.8	15	11.8	5.6	22.6	10
Williamson	16.1	12.8	20	88	19.5	13.8	26.6	48	13.2	9.4	18.1	40
Wilson	16	12.3	20.4	67	15.9	10.7	22.8	33	14.5	10	20.4	34

County	TOTAL				MALES				FEMALES			
	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count
<b>BLACKS</b>												
Tennessee	30.0	28.1	31.9	1,041	37.6	34.2	41.3	499	25.3	23.2	27.6	542
Anderson	^	^	^	^	^	^	^	^	^	^	^	^
Bedford	^	^	^	^	^	^	^	^	^	^	^	^
Benton	0.0	0.0	226.8	0	0.0	0.0	553.0	0	0.0	0.0	415.3	0
Bledsoe	0.0	0.0	1247.0	0	0.0	0.0	988.4	0	0.0	0.0	5519.3	0
Blount	0.0	0.0	23.0	0	0.0	0.0	54.6	0	0.0	0.0	42.6	0
Bradley	^	^	^	^	^	^	^	^	0.0	0.0	41.2	0
Campbell	0.0	0.0	565.6	0	0.0	0.0	2747.7	0	0.0	0.0	1180.3	0
Cannon	0.0	0.0	461.6	0	0.0	0.0	1011.2	0	0.0	0.0	1257.9	0
Carroll	59.3	28.2	110.5	10	^	^	^	^	^	^	^	^
Carter	0.0	0.0	133.9	0	0.0	0.0	310.2	0	0.0	0.0	286.2	0
Cheatham	^	^	^	^	^	^	^	^	0.0	0.0	305.3	0
Chester	0.0	0.0	51.4	0	0.0	0.0	114.0	0	0.0	0.0	97.3	0
Claiborne	0.0	0.0	332.3	0	0.0	0.0	888.5	0	0.0	0.0	618.8	0
Clay	0.0	0.0	669.2	0	0.0	0.0	1767.2	0	0.0	0.0	1539.1	0
Cocke	^	^	^	^	0.0	0.0	303.3	0	^	^	^	^
Coffee	^	^	^	^	^	^	^	^	^	^	^	^
Crockett	^	^	^	^	^	^	^	^	^	^	^	^
Cumberland	0.0	0.0	2066.3	0	0.0	0.0	3508.8	0	0.0	0.0	4799.1	0
Davidson	28.5	23.9	33.7	143	40.5	31.1	51.6	74	21.8	16.9	27.6	69
Decatur	0.0	0.0	183.5	0	0.0	0.0	426.2	0	0.0	0.0	369.4	0
DeKalb	^	^	^	^	^	^	^	^	0.0	0.0	693.0	0
Dickson	^	^	^	^	^	^	^	^	^	^	^	^
Dyer	^	^	^	^	^	^	^	^	^	^	^	^

# CANCER IN TENNESSEE: 2003-2007

Table 20. Continued

County	TOTAL				MALES				FEMALES			
	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count
<b>BLACKS</b>												
Fayette	^	^	^	^	^	^	^	^	^	^	^	^
Fentress	0.0	0.0	6758.7	0	0.0	0.0	5090.2	0	0.0	0.0	13900.0	0
Franklin	^	^	^	^	^	^	^	^	^	^	^	^
Gibson	49.0	31.3	73.1	24	^	^	^	^	51.7	28.7	86.2	15
Giles	48.9	23.3	91.7	10	^	^	^	^	^	^	^	^
Grainger	^	^	^	^	^	^	^	^	0.0	0.0	6437.3	0
Greene	0.0	0.0	54.1	0	0.0	0.0	131.9	0	0.0	0.0	100.8	0
Grundy	0.0	0.0	3348.1	0	0.0	0.0	9970.2	0	0.0	0.0	3502.2	0
Hamblen	^	^	^	^	^	^	^	^	^	^	^	^
Hamilton	23.7	18.2	30.3	64	37.2	25.5	52.0	35	17.2	11.4	24.8	29
Hancock	0.0	0.0	6436.3	0	0.0	0.0	8642.4	0	0.0	0.0	10545.0	0
Hardeman	37.8	21.3	61.5	16	^	^	^	^	^	^	^	^
Hardin	0.0	0.0	82.6	0	0.0	0.0	191.1	0	0.0	0.0	154.4	0
Hawkins	^	^	^	^	^	^	^	^	0.0	0.0	174.4	0
Haywood	^	^	^	^	^	^	^	^	^	^	^	^
Henderson	^	^	^	^	^	^	^	^	^	^	^	^
Henry	^	^	^	^	^	^	^	^	^	^	^	^
Hickman	0.0	0.0	121.0	0	0.0	0.0	301.6	0	0.0	0.0	318.4	0
Houston	0.0	0.0	264.6	0	0.0	0.0	522.6	0	0.0	0.0	606.6	0
Humphreys	0.0	0.0	141.1	0	0.0	0.0	418.5	0	0.0	0.0	266.5	0
Jackson	0.0	0.0	8542.4	0	0.0	0.0	8832.4	0	0.0	0.0	4753.4	0
Jefferson	^	^	^	^	0.0	0.0	169.8	0	^	^	^	^
Johnson	0.0	0.0	733.5	0	0.0	0.0	1735.5	0	0.0	0.0	7090.5	0
Knox	30.9	22.0	42.1	40	28.1	14.6	47.8	14	31.6	20.6	46.3	26
Lake	^	^	^	^	^	^	^	^	0.0	0.0	113.5	0
Lauderdale	44.9	24.7	74.0	15	^	^	^	^	^	^	^	^
Lawrence	0.0	0.0	128.0	0	0.0	0.0	299.8	0	0.0	0.0	257.0	0
Lewis	0.0	0.0	570.5	0	0.0	0.0	1057.5	0	0.0	0.0	1294.5	0
Lincoln	^	^	^	^	^	^	^	^	^	^	^	^
Loudon	^	^	^	^	^	^	^	^	0.0	0.0	323.9	0
McMinn	^	^	^	^	^	^	^	^	^	^	^	^
McNairy	^	^	^	^	^	^	^	^	^	^	^	^
Macon	0.0	0.0	1828.3	0	0.0	0.0	2988.3	0	0.0	0.0	5460.8	0
Madison	25.4	16.8	36.5	29	31.1	16.4	52.7	14	20.9	11.5	34.6	15
Marion	^	^	^	^	^	^	^	^	^	^	^	^
Marshall	^	^	^	^	^	^	^	^	^	^	^	^
Maury	38.9	22.5	62.1	17	^	^	^	^	^	^	^	^
Meigs	0.0	0.0	586.3	0	0.0	0.0	1266.6	0	0.0	0.0	1404.9	0
Monroe	^	^	^	^	^	^	^	^	0.0	0.0	161.9	0
Montgomery	24.8	13.5	40.5	16	^	^	^	^	^	^	^	^
Moore	0.0	0.0	629.9	0	0.0	0.0	1465.4	0	0.0	0.0	1154.6	0
Morgan	0.0	0.0	1205.2	0	0.0	0.0	2172.2	0	0.0	0.0	8430.8	0
Obion	^	^	^	^	^	^	^	^	^	^	^	^
Overton	0.0	0.0	1517.4	0	0.0	0.0	3008.1	0	0.0	0.0	3896.6	0
Perry	0.0	0.0	630.4	0	0.0	0.0	2026.3	0	0.0	0.0	1305.8	0
Pickett	0.0	0.0	10532.4	0	0.0	0.0	18736.2	0	0.0	0.0	5344.4	0
Polk	0.0	0.0	3528.5	0	0.0	0.0	4718.5	0	0.0	0.0	4303.8	0

# CANCER IN TENNESSEE: 2003-2007

Table 20. Continued

County	TOTAL				MALES				FEMALES			
	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count
<b>BLACKS</b>												
Putnam	0.0	0.0	76.1	0	0.0	0.0	165.9	0	0.0	0.0	164.2	0
Rhea	^	^	^	^	^	^	^	^	0.0	0.0	238.9	0
Roane	^	^	^	^	0.0	0.0	123.5	0	^	^	^	^
Robertson	^	^	^	^	^	^	^	^	^	^	^	^
Rutherford	^	^	^	^	^	^	^	^	^	^	^	^
Scott	0.0	0.0	2757.3	0	0.0	0.0	3838.2	0	0.0	0.0	10547.6	0
Sequatchie	0.0	0.0	10967.3	0	0.0	0.0	5803.4	0	0.0	0.0	16029.5	0
Sevier	0.0	0.0	211.1	0	0.0	0.0	616.9	0	0.0	0.0	427.1	0
Shelby	33.2	30.3	36.4	499	41.9	36.3	48.1	240	28.1	24.7	31.8	259
Smith	^	^	^	^	0.0	0.0	381.7	0	^	^	^	^
Stewart	0.0	0.0	511.9	0	0.0	0.0	1052.9	0	0.0	0.0	1507.7	0
Sullivan	^	^	^	^	^	^	^	^	^	^	^	^
Sumner	^	^	^	^	^	^	^	^	^	^	^	^
Tipton	26.6	13.2	47.1	11	^	^	^	^	^	^	^	^
Trousdale	^	^	^	^	0.0	0.0	208.7	0	^	^	^	^
Unicoi	0.0	0.0	5034.3	0	0.0	0.0	4705.7	0	0.0	0.0	9628.7	0
Union	0.0	0.0	7732.0	0	0.0	0.0	8082.5	0	0.0	0.0	4258.6	0
Van Buren	^	^	^	^	0.0	0.0	6388.9	0	^	^	^	^
Warren	^	^	^	^	^	^	^	^	0.0	0.0	113.8	0
Washington	^	^	^	^	0.0	0.0	46.2	0	^	^	^	^
Wayne	^	^	^	^	^	^	^	^	0.0	0.0	1542.3	0
Weakley	^	^	^	^	0.0	0.0	98.3	0	^	^	^	^
White	^	^	^	^	0.0	0.0	421.2	0	^	^	^	^
Williamson	^	^	^	^	^	^	^	^	^	^	^	^
Wilson	^	^	^	^	^	^	^	^	^	^	^	^

Note: ^ Due to concerns regarding privacy, statistics were suppressed when there were 1-9 reported cases.



## FEMALE BREAST CANCER

**Table 21.** Female Breast Cancer. Annual Case Counts, Age-Adjusted Incidence Rates per 100,000 Population, and 95% Confidence Intervals (CI), by Year and Race, Tennessee, 2003-2007.

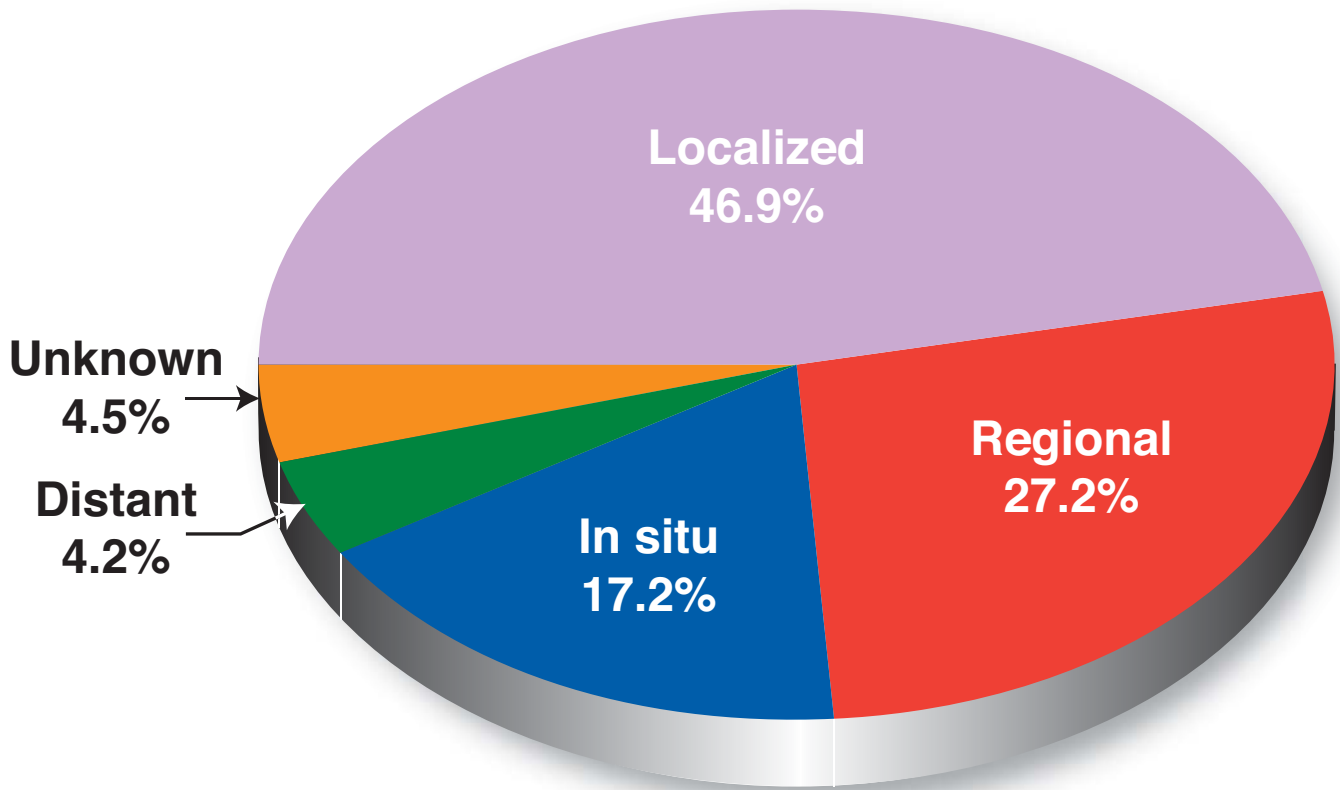
	ALL RACES				WHITES				BLACKS			
	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count
<b>2003-2007</b>	117.2	115.6	118.9	20,124	116.4	114.6	118.1	17,114	120.3	115.8	124.9	2,765
<b>2003</b>	114.7	111.1	118.5	3,804	113.9	110	117.9	3,241	121	110.8	131.8	528
<b>2004</b>	111.3	107.7	115	3,736	111	107.1	114.9	3,192	113.3	103.6	123.7	511
<b>2005</b>	122.1	118.4	125.9	4,180	122.1	118.1	126.2	3,580	119.9	109.9	130.5	547
<b>2006</b>	118.3	114.6	121.9	4,146	116.1	112.2	120	3,484	124.9	114.9	135.5	594
<b>2007</b>	119.5	115.9	123.2	4,258	118.7	114.8	122.7	3,617	122.2	112.3	132.7	585

**Table 22.** Female Breast Cancer. Five-Year Case Counts, Average Annual Age-Specific Incidence Rates per 100,000 Population and 95% Confidence Intervals (CI) for All Races Combined, 2003-2007, Tennessee.

Age at Diagnosis	Rate	Lower CI	Upper CI	Count
0	0	0	1.9	0
01-04	0	0	0.5	0
05-09	0	0	0.4	0
10-14	0	0	0.4	0
15-19	^	^	^	^
20-24	1.6	0.9	2.6	16
25-29	10.3	8.4	12.5	102
30-34	28.4	25.2	31.8	292
35-39	62.3	57.7	67.2	663
40-44	117.9	111.7	124.3	1,357
45-49	173.2	165.7	180.9	2,007
50-54	220.3	211.5	229.4	2,360
55-59	282.6	271.9	293.6	2,637
60-64	334	321	347.3	2,492
65-69	375.9	360.7	391.7	2,283
70-74	387.5	370.6	405	1,970
75-79	387.2	369	406.2	1,682
80-84	379.2	358.8	400.5	1,290
85+	281.5	264.1	299.8	970

Note: ^ Due to concerns regarding privacy, statistics were suppressed when there were 1-9 reported cases.

Figure 14: Female Breast Cancer by Stage, Tennessee, 2003-2007



# CANCER IN TENNESSEE: 2003-2007

**Table 23.** Female Breast Cancer. Five-Year Case Counts, Average Annual Age-Adjusted Incidence Rates per 100,000 Population, and 95% Confidence Intervals (CI), by County and Race, Tennessee, 2003-2007.

County	ALL RACES				WHITES				BLACKS			
	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count
Tennessee	117.2	115.6	118.9	20,124	116.4	114.6	118.1	17,114	120.3	115.8	124.9	2,765
Anderson	118.0	104.6	132.8	292	119.3	105.5	134.5	283	^	^	^	^
Bedford	115.3	96.0	137.4	127	117.5	97.1	141.0	118	^	^	^	^
Benton	126.5	97.6	161.9	69	130.0	100.2	166.3	69	0.0	0.0	415.3	0
Bledsoe	90.7	62.2	128.9	33	92.2	63.2	131.0	33	0.0	0.0	5519.3	0
Blount	117.6	106.6	129.5	428	117.5	106.3	129.5	414	111.1	52.5	206.4	10
Bradley	113.8	101.3	127.5	304	111.5	98.8	125.3	287	143.6	73.0	251.4	12
Campbell	109.3	91.9	129.3	145	109.5	92.0	129.6	144	^	^	^	^
Cannon	76.9	51.7	110.5	30	72.7	48.2	105.8	28	^	^	^	^
Carroll	191.1	162.7	223.1	172	185.4	155.8	219.1	150	230.9	140.2	359.2	20
Carter	78.9	66.4	93.2	146	79.4	66.8	93.8	145	^	^	^	^
Cheatham	99.8	81.1	121.7	101	97.4	78.7	119.4	96	^	^	^	^
Chester	112.0	82.7	148.6	50	113.1	82.2	152.1	46	^	^	^	^
Claiborne	129.2	107.1	154.6	123	131.0	108.6	156.8	123	0.0	0.0	618.8	0
Clay	49.2	25.7	86.8	13	50.1	26.1	88.4	13	0.0	0.0	1539.1	0
Cocke	92.4	75.1	112.8	101	93.4	75.8	114.1	100	^	^	^	^
Coffee	107.1	91.1	125.2	164	108.0	91.6	126.6	159	^	^	^	^
Crockett	129.9	97.8	169.4	57	133.6	98.8	177.2	51	^	^	^	^
Cumberland	123.1	106.7	141.6	230	123.2	106.7	141.7	229	0.0	0.0	4799.1	0
Davidson	124.0	118.5	129.7	1,925	124.4	118.0	131.0	1,468	126.4	114.6	139.0	436
Decatur	94.5	65.2	133.2	37	98.8	68.2	139.4	37	0.0	0.0	369.4	0
DeKalb	125.2	97.4	158.8	71	124.3	96.3	158.3	69	^	^	^	^
Dickson	122.7	104.1	143.7	156	121.9	102.9	143.3	148	^	^	^	^
Dyer	93.5	76.5	113.1	109	92.3	74.5	113.3	96	110.6	56.9	191.6	13
Fayette	77.1	60.7	96.9	76	54.0	38.1	74.9	38	129.8	91.6	178.7	38
Fentress	91.0	66.6	121.7	48	91.4	66.9	122.2	48	0.0	0.0	13900.0	0
Franklin	86.7	71.0	105.1	109	84.8	68.8	103.5	101	^	^	^	^
Gibson	133.8	116.1	153.6	218	135.6	115.9	158.0	183	122.8	84.7	172.4	34
Giles	87.6	69.2	109.6	81	84.7	65.5	108.1	69	116.5	59.2	207.4	12
Grainger	124.1	98.1	155.1	80	123.2	97.3	154.3	79	0.0	0.0	6437.3	0
Greene	119.8	105.4	135.7	258	119.1	104.5	135.2	251	^	^	^	^
Grundy	134.6	101.2	175.7	57	135.7	102.0	177.1	57	0.0	0.0	3502.2	0
Hamblen	99.0	84.9	114.9	182	98.0	83.7	114.2	172	^	^	^	^
Hamilton	122.2	115.3	129.5	1,197	120.3	112.6	128.3	964	130.9	113.9	149.7	217
Hancock	125.4	81.0	186.6	26	119.2	75.5	180.0	24	0.0	0.0	10545.0	0

Table 23. Continued

County	ALL RACES				WHITES				BLACKS			
	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count
Hardeman	98.5	77.2	124.0	75	85.9	61.6	117.4	44	119.9	80.5	171.4	30
Hardin	101.9	81.3	126.5	88	99.4	78.7	124.3	83	^	^	^	^
Hawkins	94.3	80.4	110.1	167	96.3	82.1	112.4	167	0.0	0.0	174.4	0
Haywood	74.1	53.5	100.1	44	66.4	41.0	103.1	23	68.4	41.0	107.3	19
Henderson	125.4	101.9	152.9	101	124.8	100.5	153.5	93	^	^	^	^
Henry	137.0	115.1	162.1	147	131.7	109.2	157.8	129	185.8	105.7	305.2	16
Hickman	123.0	97.2	153.9	79	122.7	96.4	154.1	76	^	^	^	^
Houston	109.6	72.0	161.0	28	110.4	71.8	163.4	27	^	^	^	^
Humphreys	199.5	163.3	241.7	110	198.6	161.9	241.5	106	^	^	^	^
Jackson	89.3	60.6	127.9	32	89.7	60.9	128.6	32	0.0	0.0	4753.4	0
Jefferson	127.2	109.1	147.6	180	128.6	110.1	149.4	177	^	^	^	^
Johnson	102.4	76.6	134.6	56	103.2	77.3	135.8	56	0.0	0.0	7090.5	0
Knox	123.3	117.0	129.8	1,471	124.9	118.3	131.8	1,364	104.4	83.9	128.3	91
Lake	124.7	79.0	189.1	25	133.2	80.8	210.1	22	^	^	^	^
Lauderdale	92.9	71.9	118.3	68	94.5	69.9	125.5	51	85.3	48.2	138.7	16
Lawrence	124.9	105.8	146.6	157	126.5	107.0	148.6	156	^	^	^	^
Lewis	79.3	52.4	115.8	28	80.7	53.3	117.8	28	0.0	0.0	1294.5	0
Lincoln	99.4	81.1	121.0	106	99.5	80.5	122.0	98	^	^	^	^
Loudon	129.4	111.3	149.7	196	127.2	109.3	147.5	191	^	^	^	^
McMinn	90.7	76.5	107.0	147	92.9	78.1	109.9	143	^	^	^	^
McNairy	133.1	108.4	162.0	107	138.0	111.9	168.6	104	^	^	^	^
Macon	111.2	85.6	142.2	65	112.3	86.4	143.5	65	0.0	0.0	5460.8	0
Madison	111.6	99.2	125.2	298	107.2	92.8	123.2	206	117.5	93.9	145.1	88
Marion	126.3	103.2	153.2	108	122.5	99.3	149.8	100	^	^	^	^
Marshall	129.8	106.2	157.3	107	131.7	106.9	160.6	100	^	^	^	^
Maury	129.5	114.7	145.8	278	128.8	112.9	146.4	238	122.2	85.2	169.8	36
Meigs	129.9	92.9	176.9	42	132.3	94.7	180.3	42	0.0	0.0	1404.9	0
Monroe	99.8	83.0	119.1	127	100.3	83.2	120.0	124	^	^	^	^
Montgomery	109.1	97.8	121.3	346	104.6	92.4	118.0	266	122.4	92.9	158.1	63
Moore	^	^	^	^	^	^	^	^	0.0	0.0	1154.6	0
Morgan	134.4	105.2	169.5	74	133.7	104.5	168.9	73	0.0	0.0	8430.8	0
Obion	105.7	86.1	128.7	105	104.7	84.1	129.0	94	128.2	63.7	229.6	11
Overton	85.5	64.0	112.2	55	86.1	64.5	113.0	55	0.0	0.0	3896.6	0
Perry	118.4	79.0	171.9	30	121.0	80.8	175.7	30	0.0	0.0	1305.8	0
Pickett	99.8	54.0	170.2	15	100.5	54.4	171.4	15	0.0	0.0	5344.4	0
Polk	109.6	82.8	142.8	58	110.4	83.5	143.9	58	0.0	0.0	4303.8	0

Table 23. Continued

County	ALL RACES				WHITES				BLACKS			
	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count
Putnam	139.9	123.3	158.2	264	140.3	123.5	158.9	259	^	^	^	^
Rhea	185.6	158.0	216.9	167	187.9	159.7	219.8	165	^	^	^	^
Roane	104.0	89.4	120.6	188	103.8	88.9	120.7	181	^	^	^	^
Robertson	111.8	95.9	129.7	177	111.4	94.8	130.1	161	126.9	72.2	206.5	16
Rutherford	109.2	100.0	119.1	529	107.1	97.5	117.5	466	141.2	105.0	185.4	55
Scott	113.8	88.5	144.3	70	114.7	89.2	145.5	70	0.0	0.0	10547.6	0
Sequatchie	87.3	60.2	123.1	34	88.0	60.7	124.0	34	0.0	0.0	16029.5	0
Sevier	117.6	104.2	132.2	287	118.3	104.9	133.1	286	^	^	^	^
Shelby	120.9	116.5	125.5	2,883	120.8	114.9	127.0	1,576	119.3	112.6	126.2	1,256
Smith	83.9	61.0	112.9	45	86.8	63.1	116.8	45	0.0	0.0	292.0	0
Stewart	113.5	82.2	153.4	44	114.4	82.5	155.2	43	^	^	^	^
Sullivan	119.6	110.2	129.6	629	120.7	111.2	130.9	623	^	^	^	^
Sumner	112.5	102.4	123.3	461	111.7	101.3	122.9	431	160.3	107.3	229.1	30
Tipton	108.9	92.6	127.3	160	99.2	82.0	119.1	118	157.3	112.7	213.4	41
Trousdale	75.9	44.0	122.8	17	60.3	30.9	106.9	12	^	^	^	^
Unicoi	121.9	95.6	154.0	78	121.4	95.0	153.6	77	0.0	0.0	9628.7	0
Union	81.9	59.2	110.8	43	80.7	58.0	109.4	42	^	^	^	^
Van Buren	115.5	70.3	181.6	20	116.3	70.7	182.9	20	0.0	0.0	3666.3	0
Warren	116.6	97.7	138.1	138	116.7	97.5	138.7	133	^	^	^	^
Washington	123.5	111.9	136.1	424	124.6	112.6	137.4	411	^	^	^	^
Wayne	87.5	62.6	119.7	42	88.5	63.3	121.1	42	0.0	0.0	1542.3	0
Weakley	118.7	97.6	143.1	116	111.8	90.8	136.4	104	239.2	121.2	420.3	12
White	122.4	98.5	150.8	93	118.4	94.6	146.8	88	^	^	^	^
Williamson	132.4	121.0	144.5	533	133.8	122.0	146.4	505	95.1	57.6	148.7	20
Wilson	109.1	96.9	122.4	298	111.0	98.2	124.9	282	78.9	41.8	135.8	13

Note: ^ Due to concerns regarding privacy, statistics were suppressed when there were 1-9 reported cases.



**Table 24.** Female Breast Cancer. Annual Death Counts, Age-Adjusted Mortality Rates per 100,000 Population, and 95% Confidence Intervals (CI), by Year and Race, Tennessee, 2003-2007.

	ALL RACES				WHITES				BLACKS			
	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count
<b>2003-2007</b>	25.4	24.6	26.1	4,495	23.4	22.6	24.2	3,600	38.8	36.2	41.5	869
<b>2003</b>	27.5	25.7	29.3	931	25.5	23.6	27.4	750	40.5	34.7	47	177
<b>2004</b>	25.4	23.8	27.2	882	23.6	21.9	25.4	714	37.6	32	43.9	162
<b>2005</b>	26.2	24.5	27.9	924	24.1	22.3	25.9	738	39.8	34.1	46.1	181
<b>2006</b>	24.4	22.8	26.1	885	22.3	20.7	24.1	705	38.1	32.5	44.3	171
<b>2007</b>	23.5	21.9	25.1	873	21.6	20	23.3	693	37.5	32.1	43.5	178

**Table 25.** Female Breast Cancer. Five-Year Death Counts, Average Annual Age-Specific Mortality Rates per 100,000 Population and 95% Confidence Intervals (CI) for All Races Combined, 2003-2007, Tennessee.

Age at Diagnosis	Rate	Lower CI	Upper CI	Count
0	0	0	1.9	0
01-04	0	0	0.5	0
05-09	0	0	0.4	0
10-14	0	0	0.4	0
15-19	0	0	0.4	0
20-24	^	^	^	^
25-29	1.2	0.6	2.1	12
30-34	4.2	3	5.6	43
35-39	8.8	7.1	10.8	94
40-44	15.5	13.4	18	179
45-49	27.4	24.5	30.6	318
50-54	35.9	32.4	39.7	385
55-59	51.8	47.2	56.6	483
60-64	65.8	60.1	71.9	491
65-69	75.4	68.7	82.7	458
70-74	89.1	81.1	97.7	453
75-79	115.1	105.2	125.7	500
80-84	131.1	119.2	143.9	446
85+	182.6	168.6	197.4	629

Note: ^ Due to concerns regarding privacy, statistics were suppressed when there were 1-9 reported cases.

# CANCER IN TENNESSEE: 2003-2007

**Table 26.** Female Breast Cancer. Five-Year Death Counts, Average Annual Age-Adjusted Mortality Rates per 100,000 Population, and 95% Confidence Intervals (CI), by County and Race, Tennessee, 2003-2007.

County	ALL RACES				WHITES				BLACKS			
	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count
Tennessee	25.4	24.6	26.1	4,495	23.4	22.6	24.2	3,600	38.8	36.2	41.5	869
Anderson	19.9	14.7	26.4	53	18.6	13.5	25.2	47	^	^	^	^
Bedford	24.4	16.1	35.4	28	24.6	16.0	36.3	26	^	^	^	^
Benton	17.5	8.9	32.5	12	17.9	9.1	33.4	12	0.0	0.0	415.3	0
Bledsoe	^	^	^	^	^	^	^	^	0.0	0.0	5519.3	0
Blount	23.6	18.9	29.1	89	23.8	19.0	29.5	87	^	^	^	^
Bradley	33.2	26.6	41.0	89	33.3	26.6	41.2	86	^	^	^	^
Campbell	25.5	17.9	35.7	37	25.1	17.4	35.2	36	^	^	^	^
Cannon	^	^	^	^	^	^	^	^	0.0	0.0	1257.9	0
Carroll	24.8	15.9	37.3	26	23.9	14.6	37.4	22	^	^	^	^
Carter	20.8	14.8	28.5	41	19.8	14.0	27.4	39	^	^	^	^
Cheatham	28.6	18.9	41.7	28	29.3	19.4	42.7	28	0.0	0.0	305.3	0
Chester	31.3	17.3	52.6	15	32.6	17.6	55.8	14	^	^	^	^
Claiborne	27.4	18.2	40.1	28	27.8	18.4	40.7	28	0.0	0.0	618.8	0
Clay	^	^	^	^	^	^	^	^	0.0	0.0	1539.1	0
Cocke	16.4	9.6	26.3	18	15.7	9.1	25.7	17	^	^	^	^
Coffee	28.3	20.6	38.1	46	29.4	21.4	39.6	46	0.0	0.0	81.3	0
Crockett	^	^	^	^	^	^	^	^	^	^	^	^
Cumberland	17.8	12.4	25.1	38	17.9	12.5	25.3	38	0.0	0.0	4799.1	0
Davidson	26.2	23.8	28.9	421	23.4	20.8	26.3	296	35.6	29.4	42.6	121
Decatur	27.2	12.5	52.1	10	^	^	^	^	^	^	^	^
DeKalb	25.6	14.2	43.1	15	26.0	14.4	43.9	15	0.0	0.0	693.0	0
Dickson	23.6	15.9	33.8	30	23.8	15.9	34.3	29	^	^	^	^
Dyer	18.0	11.0	27.9	21	14.4	7.9	24.3	15	^	^	^	^
Fayette	27.8	18.4	40.5	28	20.7	11.5	34.9	15	45.7	24.1	78.3	13
Fentress	25.6	13.9	43.9	14	25.7	13.9	44.1	14	0.0	0.0	13900.0	0
Franklin	22.4	15.0	32.4	30	19.0	12.2	28.5	25	^	^	^	^
Gibson	32.8	24.6	43.1	60	31.6	22.8	43.0	48	39.3	19.9	70.3	12
Giles	23.4	14.8	35.5	24	20.4	12.2	32.8	19	^	^	^	^
Grainger	38.8	25.0	57.9	25	39.2	25.2	58.4	25	0.0	0.0	6437.3	0
Greene	29.1	22.4	37.4	65	28.8	22.0	37.2	63	^	^	^	^
Grundy	29.6	15.5	51.6	13	29.9	15.7	52.0	13	0.0	0.0	3502.2	0
Hamblen	18.9	13.1	26.4	36	19.7	13.7	27.6	36	0.0	0.0	54.5	0
Hamilton	24.1	21.1	27.4	247	21.3	18.3	24.8	183	37.4	28.7	47.9	64
Hancock	^	^	^	^	^	^	^	^	0.0	0.0	10545.0	0

# CANCER IN TENNESSEE: 2003-2007

Table 26. Continued

County	ALL RACES				WHITES				BLACKS			
	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count
Hardeman	26.3	16.0	41.1	20	26.1	13.5	46.6	13	^	^	^	^
Hardin	22.3	13.5	35.4	20	23.2	14.0	36.7	20	0.0	0.0	154.4	0
Hawkins	30.1	22.6	39.5	55	30.1	22.5	39.6	54	0.0	0.0	174.4	0
Haywood	33.7	20.6	52.4	21	^	^	^	^	52.5	28.5	88.5	14
Henderson	37.5	25.2	54.0	30	34.7	22.5	51.4	26	^	^	^	^
Henry	28.2	19.2	40.5	33	25.4	16.5	38.0	27	^	^	^	^
Hickman	29.2	17.5	46.1	19	30.2	18.1	47.7	19	0.0	0.0	318.4	0
Houston	^	^	^	^	^	^	^	^	0.0	0.0	606.6	0
Humphreys	^	^	^	^	^	^	^	^	0.0	0.0	266.5	0
Jackson	^	^	^	^	^	^	^	^	0.0	0.0	4753.4	0
Jefferson	21.5	14.6	30.7	32	21.5	14.5	30.9	31	^	^	^	^
Johnson	20.0	10.3	36.4	12	20.1	10.3	36.7	12	0.0	0.0	7090.5	0
Knox	21.1	18.6	23.9	261	20.9	18.3	23.8	238	25.0	15.4	38.2	21
Lake	^	^	^	^	^	^	^	^	^	^	^	^
Lauderdale	35.0	22.7	51.9	26	26.0	14.4	44.1	15	51.8	25.5	93.7	11
Lawrence	22.9	15.3	33.2	30	23.4	15.6	33.9	30	0.0	0.0	257.0	0
Lewis	^	^	^	^	^	^	^	^	0.0	0.0	1294.5	0
Lincoln	26.5	17.9	38.3	31	28.6	19.3	41.4	31	0.0	0.0	57.1	0
Loudon	21.0	14.2	30.3	32	21.4	14.4	30.8	32	0.0	0.0	323.9	0
McMinn	19.0	12.9	27.1	32	17.9	11.9	26.1	29	^	^	^	^
McNairy	23.2	13.9	36.8	20	23.0	13.3	37.4	18	^	^	^	^
Macon	27.3	15.8	44.3	17	27.5	15.9	44.6	17	0.0	0.0	5460.8	0
Madison	21.3	16.2	27.5	61	18.9	13.4	25.9	41	25.4	15.3	39.5	20
Marion	36.4	24.7	52.2	31	37.2	25.0	53.6	30	^	^	^	^
Marshall	41.1	28.3	57.9	34	43.2	29.6	61.1	33	^	^	^	^
Maury	22.4	16.6	29.6	50	21.1	15.1	28.8	41	^	^	^	^
Meigs	^	^	^	^	^	^	^	^	^	^	^	^
Monroe	21.7	14.2	31.8	27	21.6	14.0	31.9	26	^	^	^	^
Montgomery	22.4	17.4	28.4	69	20.5	15.3	26.9	52	40.8	22.8	66.0	16
Moore	^	^	^	^	^	^	^	^	0.0	0.0	1154.6	0
Morgan	34.7	21.3	53.9	21	34.9	21.5	54.2	21	0.0	0.0	8430.8	0
Obion	22.1	14.0	33.5	24	19.5	11.7	31.0	20	^	^	^	^
Overton	21.3	11.8	36.1	15	21.4	11.9	36.3	15	0.0	0.0	3896.6	0
Perry	^	^	^	^	^	^	^	^	0.0	0.0	1305.8	0
Pickett	^	^	^	^	^	^	^	^	0.0	0.0	5344.4	0
Polk	23.2	11.8	41.6	12	23.3	11.9	41.8	12	0.0	0.0	4303.8	0

# CANCER IN TENNESSEE: 2003-2007

Table 26. Continued

County	ALL RACES				WHITES				BLACKS			
	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count
Putnam	32.9	25.3	42.1	65	33.1	25.4	42.5	64	^	^	^	^
Rhea	20.5	12.1	32.6	19	21.1	12.5	33.6	19	0.0	0.0	238.9	0
Roane	22.2	16.1	30.2	45	22.9	16.7	31.2	45	0.0	0.0	96.4	0
Robertson	23.2	16.3	32.0	37	21.9	15.0	31.0	32	^	^	^	^
Rutherford	22.8	18.7	27.7	107	22.0	17.7	27.1	92	32.4	16.8	55.9	13
Scott	22.3	12.1	37.9	14	22.5	12.2	38.3	14	0.0	0.0	10547.6	0
Sequatchie	^	^	^	^	^	^	^	^	0.0	0.0	16029.5	0
Sevier	22.9	17.4	29.8	58	22.7	17.1	29.6	57	^	^	^	^
Shelby	32.2	29.9	34.6	771	24.1	21.6	26.9	332	43.0	38.9	47.3	429
Smith	41.2	26.2	62.2	24	41.4	26.0	63.0	23	^	^	^	^
Stewart	^	^	^	^	^	^	^	^	^	^	^	^
Sullivan	24.5	20.5	29.2	135	24.3	20.2	29.0	131	^	^	^	^
Sumner	22.5	18.1	27.7	91	21.9	17.5	27.3	84	^	^	^	^
Tipton	32.2	23.6	43.1	46	26.1	17.6	37.2	31	57.3	31.9	94.6	15
Trousdale	^	^	^	^	^	^	^	^	^	^	^	^
Unicoi	24.7	14.9	40.1	20	24.7	15.0	40.2	20	0.0	0.0	9628.7	0
Union	^	^	^	^	^	^	^	^	0.0	0.0	4258.6	0
Van Buren	^	^	^	^	^	^	^	^	0.0	0.0	3666.3	0
Warren	22.4	14.7	33.0	27	20.7	13.1	31.1	24	^	^	^	^
Washington	23.8	19.0	29.5	87	23.8	18.9	29.7	84	^	^	^	^
Wayne	23.1	11.8	41.7	12	23.3	12.0	42.1	12	0.0	0.0	1542.3	0
Weakley	23.3	15.3	34.6	28	22.5	14.4	34.0	26	^	^	^	^
White	18.1	9.8	31.0	14	16.0	8.2	28.7	12	^	^	^	^
Williamson	23.0	18.2	28.7	84	22.9	18.0	28.8	78	^	^	^	^
Wilson	26.3	20.4	33.3	70	26.9	20.8	34.4	67	^	^	^	^

Note: ^ Due to concerns regarding privacy, statistics were suppressed when there were 1-9 reported cases.

## PROSTATE CANCER

**Table 27.** Prostate Cancer. Annual Case Counts, Age-Adjusted Incidence Rates per 100,000 Population, and 95% Confidence Intervals (CI), by Year and Race, Tennessee, 2003-2007.

	ALL RACES				WHITES				BLACKS			
	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count
<b>2003-2007</b>	138.1	136.1	140.1	19,200	129.2	127.2	131.3	15,964	202.1	194.4	209.9	2,935
<b>2003</b>	121.3	117	125.7	3,216	113.1	108.7	117.6	2,669	193.5	176.6	211.5	523
<b>2004</b>	121.9	117.7	126.3	3,293	116.3	111.9	120.8	2,792	164.5	149.1	180.8	466
<b>2005</b>	139.3	134.8	143.9	3,865	127.8	123.3	132.5	3,158	232.8	214.4	252.3	658
<b>2006</b>	145.1	140.6	149.7	4,144	136.1	131.5	140.9	3,438	209.1	192.4	226.8	646
<b>2007</b>	160.4	155.7	165.3	4,682	150.7	145.9	155.7	3,907	208.8	191.9	226.7	642

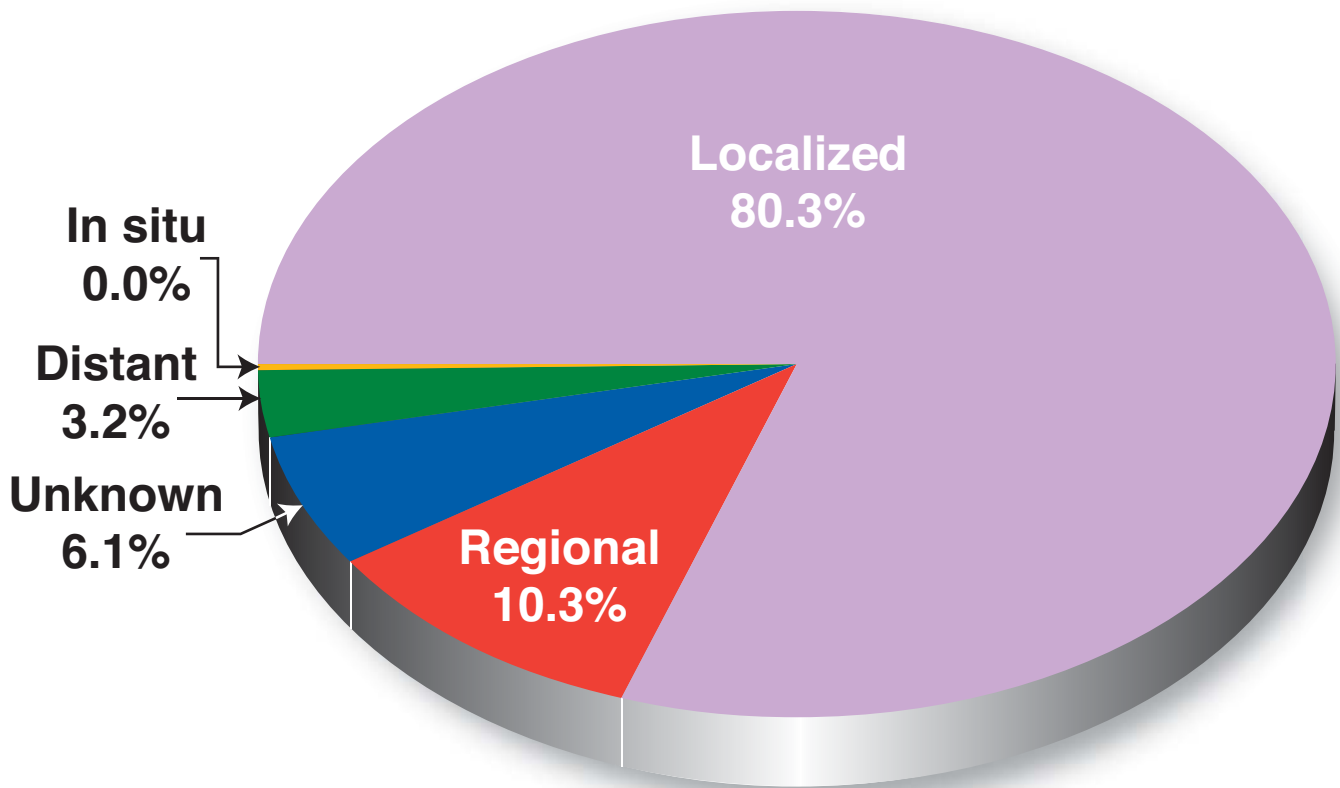


**Table 28.** Prostate Cancer. Five-Year Case Counts, Average Annual Age-Specific Incidence Rates per 100,000 Population and 95% Confidence Intervals (CI) for All Races Combined, 2003-2007, Tennessee.

Age at Diagnosis	Rate	Lower CI	Upper CI	Count
0	0	0	1.8	0
01-04	^	^	^	^
05-09	0	0	0.4	0
10-14	0	0	0.4	0
15-19	^	^	^	^
20-24	0	0	0.4	0
25-29	0	0	0.4	0
30-34	0	0	0.4	0
35-39	^	^	^	^
40-44	8.6	7	10.5	96
45-49	36.1	32.7	39.9	400
50-54	126.4	119.6	133.5	1,285
55-59	287.4	276.3	298.9	2,525
60-64	498.5	481.9	515.6	3,404
65-69	746.6	723.5	770.3	3,936
70-74	808.4	780.8	836.7	3,243
75-79	765.4	734.2	797.5	2,267
80-84	700.6	663.1	739.6	1,305
85+	584.9	543.2	628.9	730

Note: ^ Due to concerns regarding privacy, statistics were suppressed when there were 1-9 reported cases.

Figure 15: Prostate Cancer by Stage, Tennessee, 2003-2007



# CANCER IN TENNESSEE: 2003-2007

**Table 29.** Prostate Cancer. Five-Year Case Counts, Average Annual Age-Adjusted Incidence Rates per 100,000 Population, and 95% Confidence Intervals (CI), by County and Race, Tennessee, 2003-2007.

County	ALL RACES				WHITES				BLACKS			
	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count
Tennessee	138.1	136.1	140.1	19,200	129.2	127.2	131.3	15,964	202.1	194.4	209.9	2,935
Anderson	156.5	139.5	175.0	315	147.5	130.7	165.8	286	341.2	196.1	545.4	18
Bedford	108.6	88.1	132.3	102	104.2	83.2	128.7	89	149.6	76.9	262.8	12
Benton	120.5	91.7	156.1	62	117.1	88.5	152.7	59	^	^	^	^
Bledsoe	90.2	61.9	128.0	35	92.0	63.0	130.6	35	0.0	0.0	988.4	0
Blount	129.0	116.1	142.9	385	128.1	115.1	142.2	373	169.8	79.0	312.7	10
Bradley	81.9	70.3	94.9	189	81.0	69.3	94.2	180	^	^	^	^
Campbell	134.6	113.1	159.0	153	132.2	110.8	156.6	149	^	^	^	^
Cannon	108.4	76.0	150.4	38	106.0	73.6	148.2	36	^	^	^	^
Carroll	109.1	87.9	134.2	93	104.3	82.8	130.2	82	157.0	77.8	281.9	11
Carter	66.2	53.6	80.9	102	65.3	52.8	80.0	100	0.0	0.0	310.2	0
Cheatham	103.0	81.3	128.7	86	102.1	80.1	128.2	82	^	^	^	^
Chester	100.7	71.3	138.3	39	98.8	68.5	138.1	35	^	^	^	^
Claiborne	128.3	105.0	155.6	110	124.3	101.1	151.4	105	^	^	^	^
Clay	110.8	72.7	163.7	28	113.0	74.0	167.0	28	0.0	0.0	1767.2	0
Cocke	116.6	95.0	141.9	111	115.2	93.6	140.5	108	^	^	^	^
Coffee	148.1	127.8	170.7	197	146.5	126.0	169.3	189	^	^	^	^
Crockett	82.9	56.3	117.8	32	73.5	47.6	108.9	26	^	^	^	^
Cumberland	180.0	161.6	200.4	373	178.8	160.4	199.1	369	^	^	^	^
Davidson	150.4	143.2	157.9	1,721	139.2	131.5	147.3	1,252	200.3	180.8	221.3	443
Decatur	90.5	62.6	127.8	35	90.4	62.2	128.6	34	^	^	^	^
DeKalb	111.9	83.4	147.2	53	109.5	81.1	144.8	51	^	^	^	^
Dickson	116.0	95.3	139.8	118	108.4	88.0	132.0	106	335.8	160.1	603.6	11
Dyer	96.1	76.9	118.8	90	96.1	76.1	119.8	83	^	^	^	^
Fayette	106.3	83.9	132.8	83	80.0	57.3	108.6	45	183.2	128.9	251.6	38
Fentress	153.1	120.2	192.7	78	146.0	114.0	184.7	75	0.0	0.0	5090.2	0
Franklin	132.3	111.0	156.6	143	125.3	104.2	149.5	130	^	^	^	^
Gibson	124.2	105.8	144.9	164	112.1	93.4	133.8	126	190.1	133.8	261.7	38
Giles	118.7	94.6	147.0	90	104.9	81.2	133.4	72	230.6	132.2	371.4	17
Grainger	141.0	111.7	175.9	87	139.0	110.0	173.6	86	^	^	^	^
Greene	100.6	86.0	117.1	179	95.3	81.0	111.4	168	^	^	^	^
Grundy	141.4	106.0	185.0	56	137.0	102.2	180.2	54	0.0	0.0	9970.2	0
Hamblen	106.8	90.7	125.1	164	105.0	88.7	123.5	155	^	^	^	^
Hamilton	163.8	154.8	173.2	1,283	154.1	144.7	164.1	1,023	229.1	200.6	260.2	251
Hancock	99.7	59.0	159.0	19	101.4	60.0	161.7	19	0.0	0.0	8642.4	0

Table 29. Continued

County	ALL RACES				WHITES				BLACKS			
	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count
Hardeman	130.3	103.8	161.5	86	105.1	78.2	138.9	53	192.9	127.7	276.4	30
Hardin	86.9	67.6	110.4	72	82.2	63.3	105.4	67	^	^	^	^
Hawkins	121.8	104.6	141.1	192	119.6	102.5	138.9	186	^	^	^	^
Haywood	144.0	109.5	185.6	61	109.9	72.1	161.0	28	182.5	121.9	261.0	30
Henderson	99.6	76.6	127.6	66	98.0	74.5	126.8	61	^	^	^	^
Henry	123.9	102.3	149.0	120	118.8	96.9	144.5	108	^	^	^	^
Hickman	110.0	84.7	140.5	67	103.0	78.3	133.1	61	^	^	^	^
Houston	146.5	100.9	206.6	34	143.0	97.3	203.7	32	^	^	^	^
Humphreys	94.8	70.6	125.3	53	93.4	69.2	124.0	51	^	^	^	^
Jackson	108.9	75.8	152.5	37	106.8	74.0	150.3	36	0.0	0.0	8832.4	0
Jefferson	147.1	126.2	170.5	195	147.6	126.5	171.4	192	^	^	^	^
Johnson	68.5	48.1	95.2	38	67.3	47.0	94.1	37	^	^	^	^
Knox	156.3	148.3	164.8	1,468	150.8	142.6	159.3	1,318	238.6	197.6	285.1	134
Lake	90.7	51.3	147.9	16	97.9	53.1	166.4	14	^	^	^	^
Lauderdale	136.3	107.0	170.8	78	121.3	90.3	159.5	55	171.1	103.5	261.6	20
Lawrence	134.3	112.6	159.0	141	136.5	114.5	161.6	141	0.0	0.0	299.8	0
Lewis	111.6	75.8	158.6	34	101.7	67.8	147.0	31	^	^	^	^
Lincoln	86.8	68.4	108.8	79	77.4	59.6	99.2	66	184.6	87.4	345.1	10
Loudon	174.1	152.4	198.2	255	168.3	146.9	192.1	244	^	^	^	^
McMinn	94.9	79.0	113.2	131	94.8	78.5	113.6	125	^	^	^	^
McNairy	98.9	77.3	124.9	75	93.5	72.2	119.6	68	^	^	^	^
Macon	122.5	92.0	159.4	58	119.8	89.6	156.7	56	^	^	^	^
Madison	121.1	106.5	137.1	257	105.8	90.6	123.0	175	172.3	134.7	216.3	79
Marion	124.6	97.5	156.8	84	120.2	93.0	152.7	78	^	^	^	^
Marshall	140.8	113.2	173.1	95	134.0	106.2	166.8	84	281.3	128.0	522.8	11
Maury	137.3	119.9	156.5	236	127.2	109.5	146.9	195	215.8	151.8	296.7	40
Meigs	129.9	90.8	180.6	39	129.4	90.0	180.6	38	0.0	0.0	1266.6	0
Monroe	122.6	102.6	145.5	140	120.0	100.0	142.8	135	^	^	^	^
Montgomery	123.2	108.9	138.8	290	112.6	97.9	128.8	226	196.3	145.9	256.8	61
Moore	106.5	61.5	172.8	17	103.4	58.5	170.3	16	^	^	^	^
Morgan	136.9	105.9	174.2	71	134.7	103.8	172.1	69	^	^	^	^
Obion	122.9	100.7	148.7	111	123.3	100.3	150.3	104	^	^	^	^
Overton	96.8	72.7	126.7	57	95.6	71.6	125.4	56	0.0	0.0	3008.1	0
Perry	133.8	87.6	196.3	29	116.9	74.5	175.7	26	^	^	^	^
Pickett	152.0	97.1	230.1	26	140.8	88.2	216.8	24	^	^	^	^
Polk	68.9	47.2	97.9	35	63.7	42.8	92.0	32	^	^	^	^

Table 29. Continued

County	ALL RACES				WHITES				BLACKS			
	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count
Putnam	180.8	160.6	202.8	297	180.4	160.1	202.6	291	^	^	^	^
Rhea	112.8	90.3	139.3	92	113.9	91.1	140.9	91	^	^	^	^
Roane	135.9	118.1	155.9	220	132.4	114.7	152.4	209	^	^	^	^
Robertson	132.9	113.3	154.9	174	124.3	104.6	146.5	150	213.5	132.9	324.4	22
Rutherford	147.2	134.4	160.9	540	135.9	123.0	149.7	452	311.8	243.4	391.9	83
Scott	92.0	66.5	124.0	46	88.0	63.1	119.3	44	0.0	0.0	3838.2	0
Sequatchie	98.3	64.7	142.9	30	93.0	60.9	136.0	29	0.0	0.0	5803.4	0
Sevier	158.3	141.1	177.1	335	157.8	140.5	176.6	331	^	^	^	^
Shelby	163.0	156.7	169.5	2,714	141.9	134.4	149.6	1,438	194.9	183.3	207.0	1,212
Smith	106.3	77.2	142.5	46	98.5	70.1	134.3	41	^	^	^	^
Stewart	125.1	89.3	170.5	42	127.5	91.1	173.9	42	0.0	0.0	1052.9	0
Sullivan	141.8	130.9	153.5	645	140.5	129.5	152.2	627	252.0	137.2	419.8	15
Sumner	156.6	142.5	171.8	501	151.5	137.2	166.8	460	284.3	197.7	393.3	40
Tipton	151.9	128.9	177.7	174	125.5	103.3	151.0	126	240.3	169.5	328.8	39
Trousdale	123.3	78.1	185.5	24	119.2	72.8	184.7	21	^	^	^	^
Unicoi	70.2	49.9	96.8	40	68.3	48.3	94.7	39	0.0	0.0	4705.7	0
Union	146.2	110.2	190.0	63	147.3	111.0	191.4	63	0.0	0.0	8082.5	0
Van Buren	105.5	60.3	173.4	17	106.5	60.8	174.9	17	0.0	0.0	6388.9	0
Warren	128.1	106.5	152.8	128	125.0	103.4	149.8	121	^	^	^	^
Washington	117.9	105.4	131.4	337	116.2	103.6	129.9	321	169.8	88.7	291.3	14
Wayne	89.7	63.4	123.3	40	88.2	62.1	121.9	39	0.0	0.0	1593.7	0
Weakley	128.2	104.6	155.4	106	123.6	100.0	151.1	98	^	^	^	^
White	181.1	149.5	217.5	123	177.0	145.5	213.4	118	^	^	^	^
Williamson	164.2	148.8	180.7	503	159.8	144.2	176.5	465	232.5	155.7	332.5	33
Wilson	112.6	97.9	128.8	242	110.5	95.5	127.1	224	152.4	84.4	250.0	17

Note: ^ Due to concerns regarding privacy, statistics were suppressed when there were 1-9 reported cases.

# CANCER IN TENNESSEE: 2003-2007

**Table 30.** Prostate Cancer. Annual Death Counts, Age-Adjusted Mortality Rates per 100,000 Population, and 95% Confidence Intervals (CI), by Year and Race, Tennessee, 2003-2007.

	ALL RACES				WHITES				BLACKS			
	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count
<b>2003-2007</b>	28.9	27.9	30	3,081	25	24	26	2,378	67.5	62.4	72.8	692
<b>2003</b>	32.8	30.3	35.5	673	28.8	26.3	31.5	526	71.8	60.4	84.5	147
<b>2004</b>	28.2	25.9	30.7	583	24.8	22.5	27.3	459	60.8	50.2	72.7	121
<b>2005</b>	28.1	25.8	30.5	593	23.6	21.4	25.9	447	72.2	60.7	85.1	143
<b>2006</b>	27.9	25.7	30.3	601	23.7	21.6	26.1	457	69.9	58.6	82.4	143
<b>2007</b>	27.7	25.5	30	631	24.1	22	26.4	489	62.6	52.2	74.2	138



**Table 31.** Prostate Cancer. Five-Year Death Counts, Average Annual Age-Specific Mortality Rates per 100,000 Population and 95% Confidence Intervals (CI) for All Races Combined, 2003-2007, Tennessee.

Age at Diagnosis	Rate	Lower CI	Upper CI	Count
0	0	0	1.8	0
01-04	0	0	0.5	0
05-09	^	^	^	^
10-14	0	0	0.4	0
15-19	0	0	0.3	0
20-24	0	0	0.4	0
25-29	0	0	0.4	0
30-34	0	0	0.4	0
35-39	0	0	0.3	0
40-44	^	^	^	^
45-49	^	^	^	^
50-54	3.7	2.6	5.1	38
55-59	11.4	9.3	13.8	100
60-64	25.9	22.2	30	177
65-69	48.8	43	55.1	257
70-74	105.9	96.1	116.5	425
75-79	189.4	174.1	205.7	561
80-84	356.5	329.9	384.6	664
85+	681	636	728.4	850

Note: ^ Due to concerns regarding privacy, statistics were suppressed when there were 1-9 reported cases.

# CANCER IN TENNESSEE: 2003-2007

**Table 32.** Prostate Cancer. Five-Year Death Counts, Average Annual Age-Adjusted Mortality Rates per 100,000 Population, and 95% Confidence Intervals (CI), by County and Race, Tennessee, 2003-2007.

County	ALL RACES				WHITES				BLACKS			
	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count
Tennessee	28.9	27.9	30.0	3,081	25.0	24.0	26.0	2,378	67.5	62.4	72.8	692
Anderson	26.2	19.2	35.0	47	25.1	18.2	33.9	44	^	^	^	^
Bedford	34.9	22.7	50.9	27	36.7	23.7	53.9	26	^	^	^	^
Benton	^	^	^	^	^	^	^	^	0.0	0.0	553.0	0
Bledsoe	^	^	^	^	^	^	^	^	0.0	0.0	988.4	0
Blount	27.2	20.8	34.9	63	26.2	19.8	33.8	59	^	^	^	^
Bradley	23.7	16.5	32.7	38	23.0	15.7	32.1	35	^	^	^	^
Campbell	22.6	13.2	35.9	19	22.8	13.3	36.1	19	0.0	0.0	2747.7	0
Cannon	^	^	^	^	^	^	^	^	0.0	0.0	1011.2	0
Carroll	28.4	17.7	43.3	22	26.0	15.3	41.3	18	^	^	^	^
Carter	36.9	26.7	49.5	46	36.7	26.5	49.3	45	^	^	^	^
Cheatham	20.8	10.3	36.6	12	21.4	10.5	37.5	12	0.0	0.0	288.9	0
Chester	^	^	^	^	^	^	^	^	0.0	0.0	114.0	0
Claiborne	39.2	24.1	59.5	23	39.7	24.4	60.4	23	0.0	0.0	888.5	0
Clay	^	^	^	^	^	^	^	^	0.0	0.0	1767.2	0
Cocke	37.4	24.3	54.7	29	36.9	23.8	54.4	28	^	^	^	^
Coffee	27.1	18.0	38.8	30	24.8	16.2	36.3	27	^	^	^	^
Crockett	^	^	^	^	^	^	^	^	^	^	^	^
Cumberland	21.6	15.0	30.5	36	21.7	15.0	30.6	36	0.0	0.0	3508.8	0
Davidson	28.0	24.7	31.7	257	23.3	20.0	27.1	175	55.1	43.3	68.7	82
Decatur	^	^	^	^	^	^	^	^	^	^	^	^
DeKalb	^	^	^	^	^	^	^	^	^	^	^	^
Dickson	30.2	18.9	45.2	24	25.7	14.8	40.6	18	^	^	^	^
Dyer	26.0	15.5	40.5	19	21.4	11.6	35.8	14	^	^	^	^
Fayette	32.4	19.2	50.4	19	^	^	^	^	55.8	27.7	98.6	11
Fentress	^	^	^	^	^	^	^	^	0.0	0.0	5090.2	0
Franklin	30.2	19.8	43.9	28	25.1	15.5	38.2	22	^	^	^	^
Gibson	31.5	22.4	43.2	39	26.4	17.5	38.3	28	68.4	33.9	120.7	11
Giles	32.1	18.6	51.0	17	31.1	16.9	51.6	14	^	^	^	^
Grainger	26.0	12.0	47.7	10	26.3	12.1	48.3	10	0.0	0.0	2742.1	0
Greene	26.5	18.2	37.2	34	27.0	18.5	37.8	34	0.0	0.0	131.9	0
Grundy	33.7	16.5	60.4	11	31.2	14.7	57.5	10	^	^	^	^
Hamblen	25.4	16.4	37.1	27	24.9	15.8	36.9	25	^	^	^	^
Hamilton	36.5	31.9	41.6	232	30.0	25.5	35.1	165	79.2	60.8	100.8	65
Hancock	^	^	^	^	^	^	^	^	0.0	0.0	8642.4	0

Table 32. Continued

County	ALL RACES				WHITES				BLACKS			
	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count
Hardeman	38.9	24.3	58.7	22	23.9	11.8	43.5	11	89.7	44.7	155.3	11
Hardin	26.2	15.0	42.5	17	23.5	12.8	39.4	15	^	^	^	^
Hawkins	27.2	18.0	39.2	29	26.9	17.6	39.1	28	^	^	^	^
Haywood	^	^	^	^	^	^	^	^	^	^	^	^
Henderson	^	^	^	^	^	^	^	^	^	^	^	^
Henry	30.1	19.4	44.7	26	29.0	18.1	44.3	23	^	^	^	^
Hickman	^	^	^	^	^	^	^	^	0.0	0.0	301.6	0
Houston	^	^	^	^	^	^	^	^	^	^	^	^
Humphreys	^	^	^	^	^	^	^	^	0.0	0.0	418.5	0
Jackson	^	^	^	^	^	^	^	^	0.0	0.0	8832.4	0
Jefferson	23.0	13.5	35.9	19	22.5	13.0	35.6	18	^	^	^	^
Johnson	31.1	16.9	52.5	14	28.9	15.3	49.9	13	^	^	^	^
Knox	22.4	19.0	26.2	164	19.0	15.7	22.6	129	86.2	58.8	120.5	34
Lake	^	^	^	^	^	^	^	^	^	^	^	^
Lauderdale	34.4	19.5	55.2	16	^	^	^	^	^	^	^	^
Lawrence	31.8	20.7	46.4	27	31.1	20.1	45.7	26	^	^	^	^
Lewis	^	^	^	^	^	^	^	^	0.0	0.0	1057.5	0
Lincoln	27.5	16.6	42.6	20	25.2	14.5	40.6	17	^	^	^	^
Loudon	27.9	17.5	41.9	25	27.1	16.8	41.0	24	^	^	^	^
McMinn	26.8	17.8	38.5	30	24.7	15.9	36.5	26	^	^	^	^
McNairy	38.0	23.5	57.9	22	35.2	20.9	55.3	19	^	^	^	^
Macon	36.0	18.7	61.4	13	34.4	17.3	59.6	12	0.0	0.0	2988.3	0
Madison	25.9	18.7	34.7	44	19.6	12.8	28.8	26	52.1	30.6	81.3	18
Marion	37.6	21.1	60.7	18	36.2	19.8	59.5	17	^	^	^	^
Marshall	27.1	14.5	45.4	14	28.9	15.5	48.6	14	0.0	0.0	89.9	0
Maury	21.7	14.4	31.2	29	19.8	12.5	29.5	24	^	^	^	^
Meigs	^	^	^	^	^	^	^	^	0.0	0.0	1266.6	0
Monroe	13.5	6.9	23.6	12	12.6	6.2	22.6	11	^	^	^	^
Montgomery	20.3	13.7	28.7	33	16.1	10.0	24.1	24	^	^	^	^
Moore	^	^	^	^	^	^	^	^	0.0	0.0	1465.4	0
Morgan	36.0	18.5	61.8	12	36.3	18.6	62.3	12	0.0	0.0	2172.2	0
Obion	30.0	18.6	45.6	22	24.6	14.1	39.8	17	^	^	^	^
Overton	36.6	21.0	58.8	17	36.9	21.2	59.4	17	0.0	0.0	3008.1	0
Perry	^	^	^	^	^	^	^	^	0.0	0.0	2026.3	0
Pickett	^	^	^	^	^	^	^	^	0.0	0.0	18736.2	0
Polk	^	^	^	^	^	^	^	^	0.0	0.0	4718.5	0

Table 32. Continued

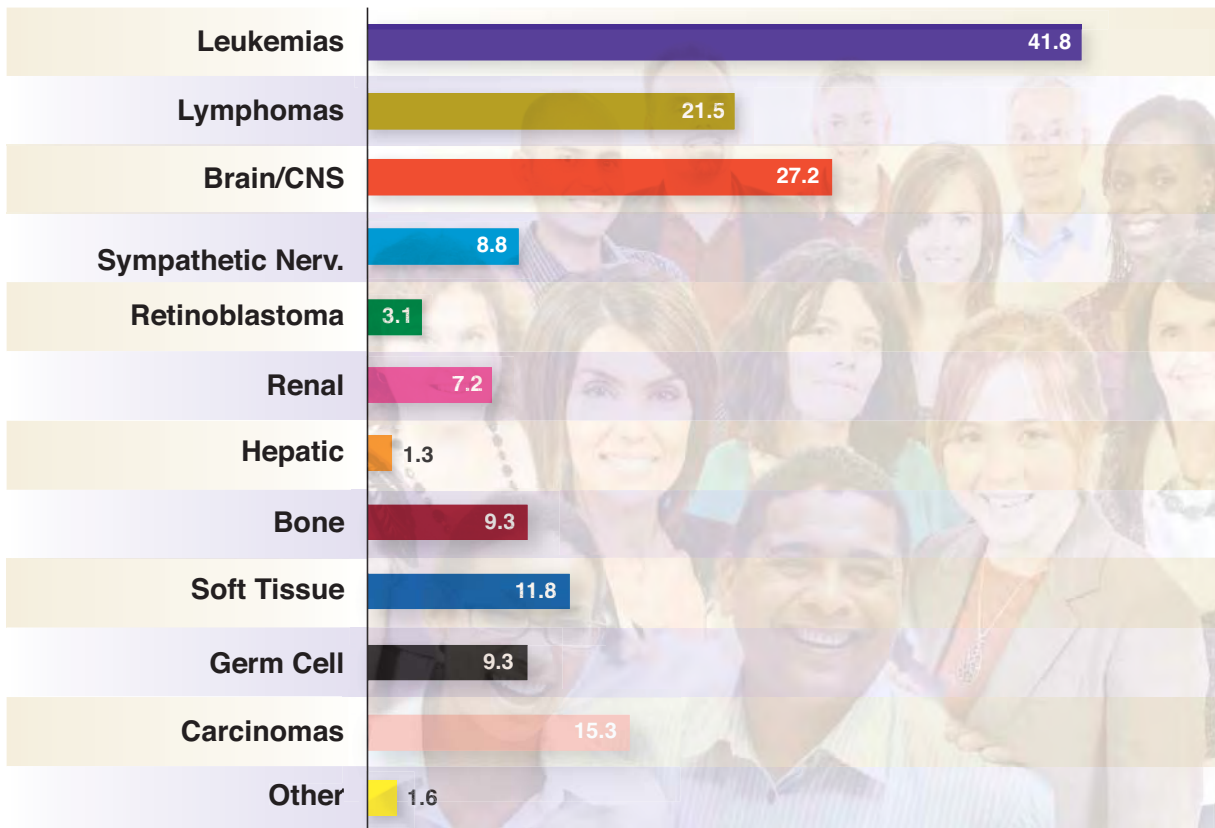
County	ALL RACES				WHITES				BLACKS			
	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count
Putnam	22.2	14.8	31.7	30	21.8	14.5	31.3	29	^	^	^	^
Rhea	26.0	14.4	42.8	16	26.6	14.7	43.7	16	0.0	0.0	293.6	0
Roane	26.3	17.7	37.5	32	26.3	17.6	37.7	31	^	^	^	^
Robertson	28.2	18.3	41.0	28	26.6	16.6	39.9	24	^	^	^	^
Rutherford	21.7	16.2	28.2	57	17.7	12.7	23.7	46	75.5	37.4	130.2	11
Scott	31.4	16.0	54.5	13	31.5	16.0	54.7	13	0.0	0.0	3838.2	0
Sequatchie	^	^	^	^	^	^	^	^	0.0	0.0	5803.4	0
Sevier	27.8	19.6	37.9	41	28.0	19.8	38.1	41	0.0	0.0	616.9	0
Shelby	43.1	39.5	47.0	537	28.0	24.4	32.0	227	73.7	65.3	82.6	306
Smith	^	^	^	^	^	^	^	^	0.0	0.0	381.7	0
Stewart	41.3	21.0	72.4	12	42.1	21.4	73.9	12	0.0	0.0	1052.9	0
Sullivan	20.6	16.1	26.0	74	20.3	15.8	25.7	72	^	^	^	^
Sumner	29.3	22.4	37.5	66	27.8	20.9	36.0	60	^	^	^	^
Tipton	17.7	9.6	29.1	15	18.7	9.5	32.3	13	^	^	^	^
Trousdale	^	^	^	^	^	^	^	^	^	^	^	^
Unicoi	31.6	17.0	53.5	14	31.6	17.0	53.6	14	0.0	0.0	4705.7	0
Union	38.1	17.7	69.2	10	38.5	17.8	70.0	10	0.0	0.0	8082.5	0
Van Buren	0.0	0.0	29.3	0	0.0	0.0	29.4	0	0.0	0.0	6388.9	0
Warren	22.4	13.5	34.7	20	21.0	12.3	33.3	18	^	^	^	^
Washington	24.4	18.3	31.7	56	24.6	18.4	32.1	55	^	^	^	^
Wayne	30.3	14.8	54.3	11	30.7	15.0	55.2	11	0.0	0.0	1593.7	0
Weakley	33.4	21.3	49.7	24	34.7	22.1	51.7	24	0.0	0.0	98.3	0
White	37.1	21.4	59.0	18	35.0	19.9	56.4	17	^	^	^	^
Williamson	31.0	22.6	41.2	50	26.6	18.7	36.4	41	^	^	^	^
Wilson	27.7	19.3	38.2	39	22.2	14.5	32.0	29	120.7	55.1	221.4	10

Note: ^ Due to concerns regarding privacy, statistics were suppressed when there were 1-9 reported cases.

## CHILDHOOD CANCER

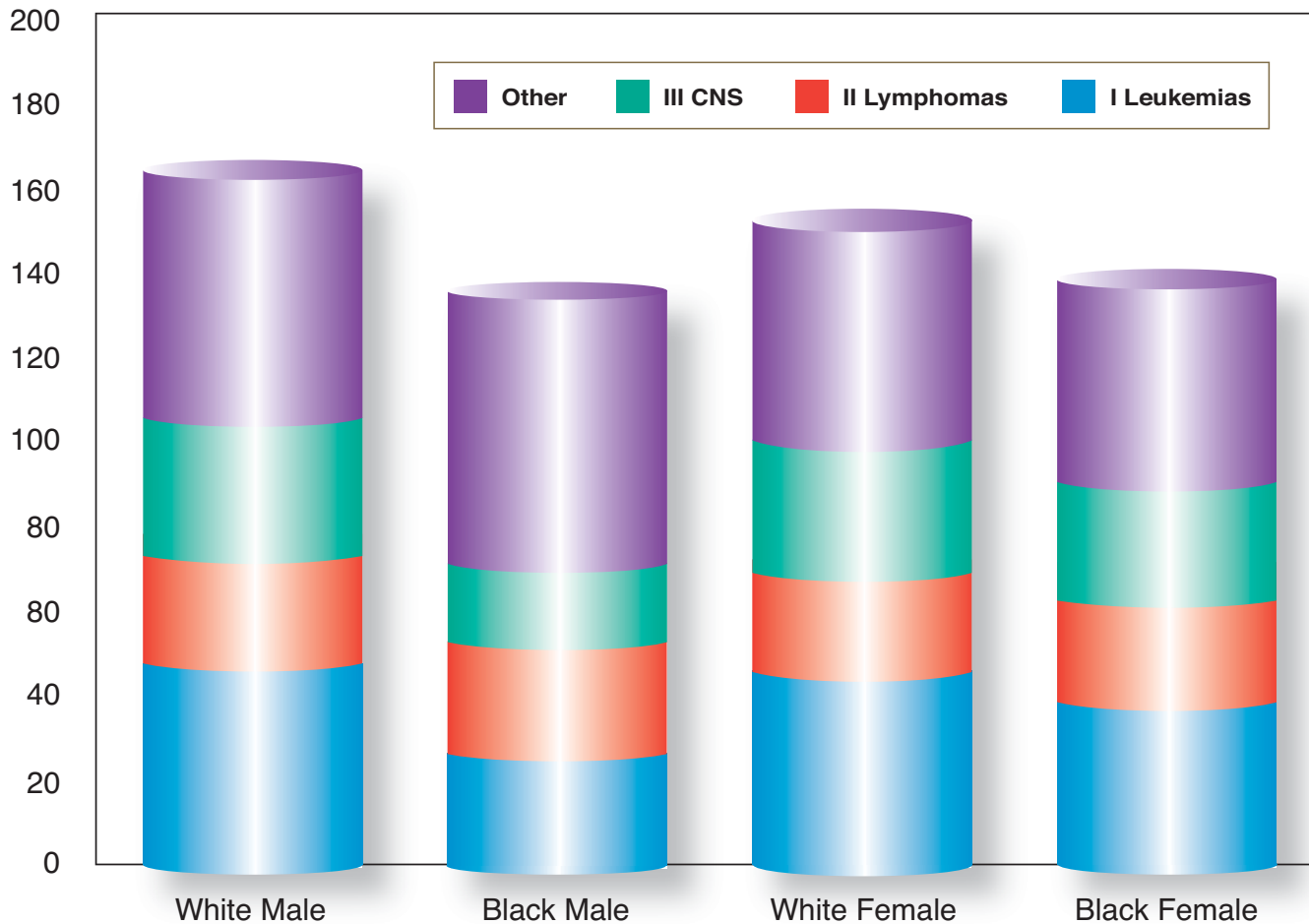
Nearly 27 percent of the Tennessee population is younger than 20 years of age. Although childhood cancers are rare, it is the second leading cause of death in children, exceeded only by accidents (Ries et al., 1999). Childhood cancer is not one disease entity, but rather is a spectrum of different malignancies. Childhood cancers vary by histology, site of disease origin, race, sex, and age. Among the 12 major types of childhood cancers, leukemias (blood cell cancers) and cancers of the brain and central nervous system account for more than half of new cases. About one-third of childhood cancers are leukemias. The most common type of leukemia in children is acute lymphoblastic leukemia. The most common solid tumors are brain tumors (Parkin et al., 1988). To better understand the overall cancer burden in young Tennesseans, this section presents detailed cancer incidence and mortality data for 2003-2007, based on over 1200 newly diagnosed cancer cases and 219 cancer deaths arising in children and adolescents age 19 years or younger. These data are presented by race, sex, age, and by specific cancer type, classified according to the *International Classification of Childhood Cancer, Third Edition (ICCC-3)*.

**Figure 16: Average annual age-adjusted incidence rates per million for childhood cancer by ICCC group, age <20, all races, both sexes, Tennessee, 2003-2007**



Rates Per Million

Figure 17: Average annual age-adjusted incidence rates per million for childhood cancer by ICCC group, sex, and race age <20, Tennessee, 2003-2007





# CANCER IN TENNESSEE: 2003-2007

**Table 33.** Childhood Cancer. Annual Case Counts, Age-Adjusted Incidence Rates per 1,000,000 Population, and 95% Confidence Intervals (CI), by Year, Sex and Race, Tennessee, 2003-2007.

	BOTH SEXES				MALES				FEMALES			
	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count
<b>ALL RACES</b>												
<b>2003-2007</b>	158.6	150	167.6	1,275	163.3	151.2	176.1	673	153.7	141.7	166.5	602
<b>2003</b>	157.2	138.3	178	249	163.8	137.1	194.1	133	150.3	124.2	180.3	116
<b>2004</b>	171.8	152	193.4	274	172.5	145.2	203.4	141	171	143.2	202.7	133
<b>2005</b>	159	140.1	179.8	255	158.4	132.4	188.1	130	159.6	132.8	190.2	125
<b>2006</b>	150.2	131.9	170.3	243	150.7	125.4	179.5	125	149.7	123.9	179.3	118
<b>2007</b>	155.5	137	175.9	254	171.4	144.5	201.8	144	138.9	114.1	167.4	110
<b>WHITES</b>												
<b>2003-2007</b>	160.6	150.8	171	989	166.4	152.5	181.3	528	154.5	140.7	169.2	461
<b>2003</b>	160.4	138.7	184.6	195	166.2	135.8	201.4	104	154.3	124.2	189.5	91
<b>2004</b>	176.8	154	202	216	174.8	143.6	210.7	110	178.9	146.4	216.4	106
<b>2005</b>	154.7	133.5	178.4	190	161.6	131.8	196.2	102	147.4	118.2	181.6	88
<b>2006</b>	147.6	127	170.7	183	151.8	123.1	185.2	97	143.2	114.5	176.9	86
<b>2007</b>	164.1	142.4	188.2	205	178	147	213.8	115	149.3	120.1	183.6	90
<b>BLACKS</b>												
<b>2003-2007</b>	138.1	121.1	156.8	239	136.4	113.1	163.1	120	139.7	115.7	167.2	119
<b>2003</b>	140.8	103.8	186.7	48	137.8	88.3	205.1	24	143.7	92	213.7	24
<b>2004</b>	134	98.1	178.7	46	143.1	92.6	211.3	25	124.4	77	190	21
<b>2005</b>	170.2	129.6	219.6	59	142.8	92.4	210.7	25	198.4	137.4	277.3	34
<b>2006</b>	146.9	109.4	193.1	51	141	91.2	208.1	25	152.6	99.6	223.4	26
<b>2007</b>	99.9	69.6	138.9	35	118.1	73.1	180.5	21	81.3	44.4	136.4	14

# CANCER IN TENNESSEE: 2003-2007

**Table 34.** Childhood Cancer. Five-Year Case Counts, Average Annual Age-Specific Incidence Rates per 1,000,000 Population and 95% Confidence Intervals (CI) for All Races Combined, by Sex, 2003-2007, Tennessee.

Age at Diagnosis	BOTH SEXES				MALES				FEMALES			
	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count
<b>0</b>	250.1	203.3	304.5	99	231.8	170.3	308.3	47	269.4	201.2	353.3	52
<b>01-04</b>	220.1	197.5	244.6	346	230.9	198.9	266.6	186	208.7	177.6	243.7	160
<b>05-09</b>	106.9	92.8	122.4	207	113.8	93.8	136.8	113	99.6	80.5	121.9	94
<b>10-14</b>	122.3	107.5	138.6	246	124	103.4	147.4	128	120.6	99.8	144.5	118
<b>15-19</b>	182.8	164.8	202.2	377	187.9	162.7	215.9	199	177.4	152.3	205.4	178

# CANCER IN TENNESSEE: 2003-2007

**Table 35.** Childhood Cancer. Five-Year Case Counts, Average Annual Age-Adjusted Incidence Rates per 1,000,000 Population, and 95% Confidence Intervals (CI), by County, Tennessee, 2003-2007.

County	Rate	Lower CI	Upper CI	Count
Tennessee	158.6	150	167.6	1,275
Anderson	148.7	79.1	254.1	13
Bedford	180.7	90.1	323.6	11
Benton	^	^	^	^
Bledsoe	0	0	246	0
Blount	188.6	124.2	274.7	27
Bradley	123.6	69.2	204.1	15
Campbell	^	^	^	^
Cannon	^	^	^	^
Carroll	^	^	^	^
Carter	^	^	^	^
Cheatham	184.8	88.6	340.3	10
Chester	^	^	^	^
Claiborne	^	^	^	^
Clay	0	0	393.5	0
Cocke	^	^	^	^
Coffee	144.8	69.4	266.4	10
Crockett	^	^	^	^
Cumberland	^	^	^	^
Davidson	174	145.1	207.1	129
Decatur	0	0	276.5	0
DeKalb	^	^	^	^
Dickson	182.9	94.5	319.6	12
Dyer	^	^	^	^
Fayette	^	^	^	^
Fentress	^	^	^	^
Franklin	^	^	^	^
Gibson	239.6	134.1	395.3	15
Giles	^	^	^	^
Grainger	^	^	^	^
Greene	123.4	59.1	228	10
Grundy	0	0	186.9	0
Hamblen	131.2	62.9	240.6	10
Hamilton	180.3	141.1	227.1	72
Hancock	^	^	^	^
Hardeman	^	^	^	^
Hardin	^	^	^	^
Hawkins	184.7	98.3	316.2	13
Haywood	^	^	^	^
Henderson	^	^	^	^
Henry	^	^	^	^
Hickman	^	^	^	^
Houston	^	^	^	^
Humphreys	^	^	^	^
Jackson	^	^	^	^
Jefferson	165.9	79.3	306.3	10
Johnson	^	^	^	^
Knox	158.5	126	196.8	82
Lake	^	^	^	^
Lauderdale	399.8	223.5	660.4	15

Table 35. Continued

County	Rate	Lower CI	Upper CI	Count
Lawrence	^	^	^	^
Lewis	^	^	^	^
Lincoln	233.3	111.8	430.7	10
Loudon	253.3	134.8	433.3	13
McMinn	^	^	^	^
McNairy	^	^	^	^
Macon	^	^	^	^
Madison	126	73.4	201.7	17
Marion	^	^	^	^
Marshall	^	^	^	^
Maury	126.7	69.2	213.3	14
Meigs	^	^	^	^
Monroe	^	^	^	^
Montgomery	114.9	75	168.5	26
Moore	^	^	^	^
Morgan	^	^	^	^
Obion	^	^	^	^
Overton	^	^	^	^
Perry	^	^	^	^
Pickett	^	^	^	^
Polk	^	^	^	^
Putnam	145.1	79	245.6	14
Rhea	^	^	^	^
Roane	^	^	^	^
Robertson	^	^	^	^
Rutherford	192	146.8	246.7	61
Scott	^	^	^	^
Sequatchie	^	^	^	^
Sevier	150.5	84.2	248.6	15
Shelby	143.5	124.2	164.9	199
Smith	^	^	^	^
Stewart	^	^	^	^
Sullivan	150.3	98.9	218.9	27
Sumner	194.2	138	265.6	39
Tipton	213	125.9	337.8	18
Trousdale	^	^	^	^
Unicoi	^	^	^	^
Union	^	^	^	^
Van Buren	^	^	^	^
Warren	^	^	^	^
Washington	170	107.7	255.2	23
Wayne	^	^	^	^
Weakley	^	^	^	^
White	^	^	^	^
Williamson	167	117.4	230.6	37
Wilson	195.6	128.9	284.6	27

Note: ^ Due to concerns regarding privacy, statistics were suppressed when there were 1-9 reported cases.

# CANCER IN TENNESSEE: 2003-2007

**Table 36.** Childhood Cancer. Annual Death Counts, Age-Adjusted Mortality Rates per 1,000,000 Population, and 95% Confidence Intervals (CI), by Year, Sex and Race, Tennessee, 2003-2007.

	BOTH SEXES				MALES				FEMALES			
	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count
<b>ALL RACES</b>												
<b>2003-2007</b>	25.9	22.5	29.7	207	25.3	20.7	30.7	104	26.5	21.6	32.1	103
<b>2003</b>	26.6	19.2	36	42	23.4	14.1	36.5	19	30	19	45.1	23
<b>2004</b>	23.2	16.3	32	37	26.8	16.8	40.5	22	19.5	10.9	32.1	15
<b>2005</b>	35.1	26.5	45.5	56	38	25.8	54	31	31.9	20.7	47.1	25
<b>2006</b>	23.1	16.2	31.8	37	20.7	12	33.1	17	25.6	15.6	39.5	20
<b>2007</b>	21.7	15.1	30.1	35	18.1	10.1	29.8	15	25.5	15.6	39.3	20
<b>WHITES</b>												
<b>2003-2007</b>	24.7	20.9	29	151	21.5	16.7	27.3	68	28.1	22.4	34.9	83
<b>2003</b>	22.4	14.7	32.6	27	19.2	9.9	33.6	12	25.7	14.4	42.4	15
<b>2004</b>	20.5	13.3	30.3	25	23.7	13.3	39.1	15	17.1	8.2	31.5	10
<b>2005</b>	36.8	26.8	49.2	45	33.5	20.7	51.2	21	40.3	25.8	59.9	24
<b>2006</b>	22.8	15.2	33	28	17.3	8.6	30.9	11	28.7	16.7	46	17
<b>2007</b>	21.1	13.8	30.9	26	^	^	^	^	28.6	16.6	45.7	17
<b>BLACKS</b>												
<b>2003-2007</b>	29.5	22	38.8	51	36.4	24.9	51.4	32	22.3	13.4	34.8	19
<b>2003</b>	37.8	20.1	64.7	13	^	^	^	^	^	^	^	^
<b>2004</b>	35	18.1	61.1	12	^	^	^	^	^	^	^	^
<b>2005</b>	^	^	^	^	^	^	^	^	^	^	^	^
<b>2006</b>	^	^	^	^	^	^	^	^	^	^	^	^
<b>2007</b>	^	^	^	^	^	^	^	^	^	^	^	^

Note: ^ Due to concerns regarding privacy, statistics were suppressed when there were 1-9 reported cases.

# CANCER IN TENNESSEE: 2003-2007

**Table 37.** Childhood Cancer. Five-Year Death Counts, Average Annual Age-Specific Mortality Rates per 1,000,000 Population and 95% Confidence Intervals (CI) for All Races Combined, by Sex, 2003-2007, Tennessee.

Age at Diagnosis	BOTH SEXES				MALES				FEMALES			
	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count
<b>0</b>	^	^	^	^	^	^	^	^	^	^	^	^
<b>01-04</b>	24.8	17.6	33.9	39	27.3	17.1	41.4	22	22.2	12.9	35.5	17
<b>05-09</b>	21.2	15.2	28.7	41	18.1	10.7	28.6	18	24.4	15.4	36.6	23
<b>10-14</b>	29.8	22.8	38.4	60	30	20.4	42.6	31	29.6	19.9	42.6	29
<b>15-19</b>	29.1	22.2	37.4	60	30.2	20.7	42.7	32	27.9	18.5	40.3	28

Note: ^ Due to concerns regarding privacy, statistics were suppressed when there were 1-9 reported cases.



# CANCER IN TENNESSEE: 2003-2007

**Table 38.** Childhood Cancer. Five-Year Death Counts, Average Annual Age-Adjusted Mortality Rates per 1,000,000 Population, and 95% Confidence Intervals (CI), by County, Tennessee, 2003-2007.

County	Rate	Lower CI	Upper CI	Count
Tennessee	25.9	22.5	29.7	207
Anderson	^	^	^	^
Bedford	^	^	^	^
Benton	0	0	199.8	0
Bledsoe	0	0	246	0
Blount	^	^	^	^
Bradley	^	^	^	^
Campbell	0	0	73.8	0
Cannon	0	0	218	0
Carroll	0	0	101.9	0
Carter	^	^	^	^
Cheatham	0	0	69	0
Chester	0	0	178.4	0
Claiborne	^	^	^	^
Clay	0	0	393.5	0
Cocke	^	^	^	^
Coffee	^	^	^	^
Crockett	^	^	^	^
Cumberland	^	^	^	^
Davidson	34.7	22.2	51.5	24
Decatur	0	0	276.5	0
DeKalb	0	0	158.3	0
Dickson	0	0	56.6	0
Dyer	^	^	^	^
Fayette	^	^	^	^
Fentress	0	0	167.5	0
Franklin	^	^	^	^
Gibson	^	^	^	^
Giles	^	^	^	^
Grainger	0	0	135.9	0
Greene	^	^	^	^
Grundy	^	^	^	^
Hamblen	^	^	^	^
Hamilton	32.7	17.4	56	13
Hancock	0	0	458.3	0
Hardeman	^	^	^	^
Hardin	0	0	119.4	0
Hawkins	^	^	^	^
Haywood	^	^	^	^
Henderson	0	0	104.9	0
Henry	0	0	97.6	0
Hickman	^	^	^	^
Houston	0	0	346.9	0
Humphreys	0	0	159	0
Jackson	^	^	^	^
Jefferson	^	^	^	^
Johnson	^	^	^	^
Knox	19.8	9.5	36.5	10
Lake	0	0	487.5	0
Lauderdale	^	^	^	^

Table 38. Continued

County	Rate	Lower CI	Upper CI	Count
Lawrence	0	0	63.7	0
Lewis	^	^	^	^
Lincoln	^	^	^	^
Loudon	^	^	^	^
McMinn	^	^	^	^
McNairy	^	^	^	^
Macon	0	0	126.9	0
Madison	^	^	^	^
Marion	0	0	105.2	0
Marshall	0	0	96.4	0
Maury	^	^	^	^
Meigs	0	0	246.2	0
Monroe	^	^	^	^
Montgomery	^	^	^	^
Moore	0	0	528.5	0
Morgan	^	^	^	^
Obion	0	0	89.7	0
Overton	^	^	^	^
Perry	^	^	^	^
Pickett	0	0	659.6	0
Polk	0	0	184.2	0
Putnam	^	^	^	^
Rhea	^	^	^	^
Roane	^	^	^	^
Robertson	0	0	42.3	0
Rutherford	^	^	^	^
Scott	^	^	^	^
Sequatchie	0	0	221.5	0
Sevier	^	^	^	^
Shelby	30.1	21.7	40.6	42
Smith	0	0	152.2	0
Stewart	0	0	225	0
Sullivan	^	^	^	^
Sumner	^	^	^	^
Tipton	^	^	^	^
Trousdale	0	0	375.8	0
Unicoi	0	0	190.7	0
Union	0	0	146.9	0
Van Buren	0	0	590	0
Warren	0	0	69.7	0
Washington	^	^	^	^
Wayne	^	^	^	^
Weakley	^	^	^	^
White	^	^	^	^
Williamson	^	^	^	^
Wilson	^	^	^	^

Note: ^ Due to concerns regarding privacy, statistics were suppressed when there were 1-9 reported cases.

## RISK FACTORS AND CANCER PREVENTION

A risk factor is anything that increases a person's chance of getting a disease. Some risk factors can be changed, and others cannot. Risk factors for cancer can include a person's age, sex, and family medical history. Others are linked to cancer-causing factors in the environment. Still others are related to lifestyle choices such as tobacco and alcohol use, diet, and sun exposure.

Having a risk factor for cancer means that a person is more likely to develop the disease at some point in their lives compared to someone who does not have the risk factor. However, having one or more risk factors does not necessarily mean that a person will get cancer. Some people with one or more risk factors never develop the disease, while other people who do develop cancer have no apparent risk factors. Even when a person who has a risk factor is diagnosed with cancer, there is no way to prove that the risk factor actually caused the cancer.

Different kinds of cancer have different risk factors. According to ACS (ACS, 2009), some of the major risk factors include the following:

- Cancers of the lung, mouth, larynx, bladder, kidney, cervix, esophagus, and pancreas are related to tobacco use, including cigarettes, cigars, chewing tobacco, and snuff. Smoking alone is estimated to cause one-third of all cancer deaths.
- Skin cancer is related to unprotected exposure to strong sunlight.
- Breast cancer risk factors include: age; changes in hormone levels throughout life, such as age at first menstruation (early menarche is associated with an increased risk for breast cancer) and number of pregnancies (having more children earlier in life is associated with a reduced risk for breast cancer); obesity (increased risk for postmenopausal breast cancer but reduced risk for premenopausal breast cancer); and physical activity (increased physical activity associated with reduced breast cancer risk). Some studies have also shown a connection between alcohol consumption and an increased risk of breast cancer. Also, women with a mother or sister who have had breast cancer are more likely to develop the disease themselves.
- While all men are at risk for prostate cancer, several factors can increase the chances of developing the disease, such as age, race, and

diet. The chance of getting prostate cancer goes up with age. Prostate cancer is more common among black men than among white men, though the reason for this disparity is currently unknown. A high-fat diet may play a part in causing prostate cancer. Also, men with a father or brother who have had prostate cancer are more likely to get prostate cancer themselves.

- In addition to increasing the risk of coronary heart disease, stroke, high blood pressure, and diabetes, obesity increases the risk of cancers of the breast (postmenopausal), endometrium (the lining of the uterus), colon, kidney, and esophagus.
- Research shows that about one-third of all cancer deaths are related to dietary factors and lack of physical activity in adulthood.

Overall, environmental factors, defined broadly to include tobacco use, diet, and infectious diseases, as well as chemicals and radiation, cause an estimated 75% of all cancer cases in the United States. Among these factors, tobacco use, unhealthy diet, and physical activity are more likely to affect personal cancer risk.

Certain cancers could be prevented by behavior/lifestyle changes or vaccines. For example, skin cancer may be prevented by protection from the sun's rays. By avoiding tobacco use, the risk of developing a number of different forms of cancer—lung, laryngeal, oropharyngeal and bladder cancers, for example—may be reduced. Avoiding weight gain can lower the risk of cancers of the breast (postmenopausal), endometrium, colon, kidney, and esophagus. Regular physical activity lowers the risk of colon and breast cancers. The best advice is to reduce your risk through simple lifestyle changes—eat plenty of fresh fruits and vegetables and whole grains like pasta and bread, cut down on high fat foods, and engage in at least 30 minutes of moderate to vigorous physical activity, above usual activities, on 5 or more days of the week. There are tests, called screening examinations, that adults should have in order to detect cancer early. If cancer is found early it can often be treated and cured. For example, mammograms to detect breast cancer, Pap testing to detect cervical cancer and prostate specific antigen (PSA) screening for prostate cancer; PSA screening is still considered a controversial form of cancer screening. More information about cancer prevention can be obtained from the National Cancer Institute (NCI) website: <http://www.cancer.gov/> or the American Cancer Society (ACS) website: <http://www.cancer.org>.

## Some Facts from Tennessee's Behavioral Risk Factor Surveillance System (BRFSS)

(Surveillance, Epidemiology and Evaluation, Office of Policy Planning and Assessment, Tennessee Department of Health, 2010, 2007)

- In 2008, 23.1% of adult Tennesseans (18 years and older) reported smoking cigarettes, compared to 18.3% nationally.
- In 2008, 9.0% of adult Tennesseans (18 years and older) reported being exposed to secondhand smoke in their workplace, and 21.4% reported being exposed in their home.
- In 2008, 33.6% of adult Tennesseans (18 years and older) had at least one alcoholic drink in the past 30 days, while 10.5% reported binge drinking and 3.5% reported heavy drinking.
- State prevalence rates for binge and heavy drinking were lower than national averages (15.6% and 5.1%, respectively).
- In 2008, 38.8% of Tennessee adults aged 50 and older did not have a current colorectal cancer screening (i.e. they had never been screened or it had been more than 1 year since their last blood stool test, more than 5 years since their last sigmoidoscopy, or more than 10 years since their last colonoscopy).
- In 2008, 25.7% of Tennessee women aged 40 and older did not have a current mammogram (i.e. they had never had one or it had been more than 2 years since the procedure was last done), compared to 23.9% nationally.
- In 2008, 16.1% of Tennessee women aged 18 years and older did not have a current Pap test (i.e. they had never had one or it had been more than 3 years since the test was last done), compared to 17.1% nationally.
- In 2008, 71.1% of Tennessee males aged 40 and older had been screened for prostate cancer during their lifetime [i.e. had ever had a digital rectal exam or prostate-specific antigen (PSA) test].
- In 2005, 36.1% of adult Tennesseans reported getting the recommended level of physical activity (at least 30 minutes of moderate activity five or more days per week or at least 20 minutes of vigorous activity three or more days per week), compared to 49.1% for the United States.
- In 2005, 26.5% of adults in Tennessee reported eating the recommended servings of fruits and vegetables (i.e. five or more servings of fruits and/or vegetables a day), compared to 23.2% for the United States.

## TECHNICAL NOTES

### Sources of Data

#### *Incidence Data*

Incidence data in this report are based on cases of primary cancer that were first diagnosed among Tennessee residents between January 1, 2003 and December 31, 2007, and were reported to the TCR as of December 2009. The primary source of data on cancer incidence is medical records. Staff at health care facilities abstract data from patients' medical records, and then send the data to the state registry. The TCR collects data using uniform data items and codes. Information on primary site and histology is coded according to the *International Classification of Diseases for Oncology, Third Edition* (ICD-O-3), and categorized according to the 2003 revised recodes of Surveillance, Epidemiology and End Results (SEER) program of the National Cancer Institute (NCI). These recodes define standard groupings of primary cancer sites. Following NPCR and SEER cancer registries' rules, the TCR considers as reportable all incident cases with a behavior code of 2 (*in situ*, noninvasive) or 3 (invasive, primary site only) in ICD-O-3 terminology with the exception of *in situ* cancer of the cervix.

Incidence data on childhood cancer are coded according to the SEER modification of the third edition of the *International Classification of Childhood Cancer* (ICCC-3). The ICCC-3, which is based on ICD-O-3, was published in 2006 by the International Agency for Research on Cancer (IARC). The ICCC-3 presents childhood cancers in 12 groups classified primarily by morphology. The SEER modification, which affects the classification of nervous system and bone tumors (<http://seer.cancer.gov/iccc>), was chosen for compatibility with other published data on rates of childhood cancer in the United States.

*In situ* bladder cancers were recoded to invasive bladder cancers because the information needed to distinguish between *in situ* and invasive bladder cancers is not always available or reliable. Case counts and rates for invasive cancers are included in this report. Nonreportable cancers and cancers in patients of unknown sex were omitted from all calculations (3 cases with unknown sex), but cases in patients of unknown race were included in the "All Races" category (1092 cases with unknown race). No cases were missing age information.

#### **Mortality Data**

Cancer mortality statistics in this report are based on information from all death certificates filed with the state's

Vital Records Office and processed by the Division of Health Statistics for deaths that occurred in 2003-2007 and were received as of December, 2009. The cancer mortality data were compiled in accordance with World Health Organization (WHO) regulations, which specify that member nations classify and code causes of death in accordance with the current revision of the *International Classification of Diseases* (ICD). Effective with deaths that occurred in 1999, the United States began using the Tenth Revision of this classification (ICD-10).

There were no cases missing age and sex information. Six cases of unknown race were included in the "All Races" category.

#### **Tennessee Population Denominator Data**

The Tennessee population estimates for the denominators of incidence and death rates presented in this report are race-specific (all races, Whites, Blacks) and sex-specific (both sexes, males, females) population estimates aggregated at the county level. They are based on single years of age and are summed to form 5-year age groups. The estimates used in this report are based on the revised Tennessee population estimates effective on February 1, 2008 made by the Tennessee Department of Health's Division of Health Statistics. Thus when comparing age-adjusted rates in this report to the *U.S. Cancer Statistics* and/or the *State Cancer Profiles* website (<http://statecancerprofiles.cancer.gov/>), which both use U.S. Census estimates for the Tennessee population, slight variations may occur (see Appendix B for Tennessee population estimates by age, sex, and race).

#### **The 2000 U.S. Standard Population**

The population used to age-adjust the rates in this report is the 2000 U.S. standard population (see Appendix A). It is based on the proportion of the 2000 population in 19 specific age groups (younger than 1 year, 1-4 years, 5-9 years, 10-14 years, 15-19 years, . . . 85 years or older). The proportions of the 2000 population in these age groups serve as weights for calculating age-adjusted incidence and mortality rates by the method of direct standardization. The 2000 U.S. standard population weights are not race or sex specific, and thus they do not adjust for differences in race or sex between geographic areas or populations being compared. They do, however, provide the basis for adjusting for differences in the age distributions across groups defined by sex, race, geography, or other categories.



## STATISTICAL METHODS

There are four measures that are commonly used to assess the impact of a cancer in the general population. They are: **incidence rate**, **mortality rate**, **survival rate**, and **prevalence**. The first two measures are employed in this report. All incidence and mortality rates in this report are age-adjusted to the 2000 US standard population unless otherwise specified. Age-adjustment minimizes the effect of a difference in age distributions when comparing rates.

The following definitions were mostly compiled from SEER's Cancer Statistics Review and CDC's *United States Cancer Statistics: Incidence and Mortality* (Altekruse et al., 2010).

**Incidence rate:** The cancer incidence rate is the number of new cancers of a specific site/type occurring in a specified population during a specified time period, usually expressed as the number of cancers per 100,000 persons at risk. That is,

$$\text{Incidence rate} = (\text{New Cancer Cases} / \text{Population at risk for the cancer}) * 100,000.$$

The *numerator* of the incidence rate is the number of newly diagnosed cancer cases; the *denominator* of the incidence rate is the size of the population at risk. The number of new cancers may include multiple primary cancers occurring in one patient. The primary site reported is the site of origin and not the metastatic site, the distant site to which the cancer has spread. In general, the incidence rate would not include recurrences. *The population used depends on the rate to be calculated.* For cancer sites that occur in only one sex, the sex-specific population (e.g., females for cervical cancer and males for prostate cancer) is used. The incidence rate can be computed for a given type of cancer or for all cancers combined. Incidence rates presented in this report are for *invasive cancers and both invasive and in situ bladder cancers only*, unless otherwise specified.

**Mortality rate:** The cancer mortality rate is the number of deaths with cancer given as the underlying cause of death occurring in a specified at-risk population during any given time period, usually expressed as the number of deaths due to cancer per 100,000 persons. That is,

$$\text{Mortality Rate} = (\text{Cancer Deaths} / \text{Population at risk}) * 100,000.$$

The *numerator* of the death rate is the number of deaths; the *denominator* of the death rate is the size of the population at risk of dying from the specified cancer. As for the calculation of an incidence rate, for cancer sites that occur in only one sex, the sex-specific population (e.g.,

females for cervical cancer and males for prostate cancer) is used. The death rate can be computed for a given cancer site or for all cancers combined.

**Crude rate:** A crude rate is the ratio of the number of people in which the event of interest happens in a specified time period to the size of the population who may experience this event during the same time period. There are no adjustments made when a crude rate is given.

**Age-specific rate** is a crude rate in a specified age group.

$$\text{Crude Rate} = (\text{Counts} / \text{Population}) * 100,000.$$

**Standard population:** A standard population for a geographic area, such as the US, is a table giving the proportions of the population falling into the age groups 0, 1-4, 5-9, ..., 80-84, and 85+.

**Age-adjusted rate:** An age-adjusted incidence or mortality rate is a weighted average of the age-specific incidence or mortality rates, where the weights are the counts of persons in the corresponding age groups of a standard population. Since the majority of cancers develop in people 65 years of age and older, age is an important risk factor for the development of cancer. Hence, if one population has a significantly greater proportion of older people than another population with a greater proportion of younger people, one would expect a larger number of cancers in the older population. Therefore, to make valid comparisons between populations with different age distributions, rates are age-adjusted to remove the so-called confounding effect of age on the comparisons made.

From a technical standpoint, age adjustment is carried out as follows. If  $N_j$  is the number of incident cases diagnosed in 2005 or the number of cancer deaths in 2005 in age category  $j$ , and  $P_j$  is the population size at risk in age category  $j$ , then the incidence or death rate  $R_j$  in age category  $j$  is defined as

$$R_j = N_j / P_j$$

If  $w_j$  is the 2000 U.S. standard population weight (i.e., proportions based on the standard population) for age category  $j$ , then the age-adjusted (directly standardized) incidence or death rate  $R_{adj}$  is computed as

$$R_{adj} = \sum_j w_j R_j \times 100,000$$

Note from the multiplier in the above formula that incidence or death rates are expressed as cases or deaths per 100,000 persons. For childhood cancers coded according to ICCC (International Classification of Childhood Cancer), the multiplier in the formula is 1,000,000 because the childhood cancer rates are expressed per million persons.



**Confidence interval:** The confidence interval is a range of values that has a specified probability of containing the estimated rate or trend of interest. Confidence intervals reflect the range of variation in the estimation of the cancer rates. The width of a confidence interval depends on the amount of variability in the data. Sources of variability include the underlying occurrence of cancer as well as uncertainty about when cancer is detected and diagnosed, when a death from cancer occurs, and when the data about the cancer are sent to the registry or the state health department. In any given year, when large numbers of a particular cancer are diagnosed or when large numbers of cancer patients die, the effects of random variability are small compared with the large numbers, and the confidence interval will be narrow. With rare cancers, however, the rates are small and the chance occurrence of more or fewer cases of deaths in a given year can markedly affect those rates. Under these circumstances, the confidence interval will be wide to indicate uncertainty or instability in the cancer rate.

The standard model used for rates for cancer statistics is the Poisson process, which assigns more uncertainty to rare events relative to the size of the rate than it does to common events. For this report, we estimated a single parameter to represent the rate and its variability, the confidence interval. We used modified gamma confidence intervals that are expected to include the true underlying rate 95% of the time.

The detailed algorithms of calculating confidence intervals for age-adjusted rates can be read in Fay and Feuer's (1997) article or from Tiwari, Clegg, and Zou's (2006) article.

**Suppression of rates and counts:** Due to concerns regarding privacy, statistics were suppressed when there were 1-9 reported cases.

**ICCC classification:** The *International Classification of Childhood Cancer* (ICCC) is based on tumor morphology and primary site with an emphasis on morphology rather than the emphasis on primary site for adults. It was first published in 1988 by the World Health Organization's (WHO) International Agency for Research on Cancer (IARC) and now has been modified. We used the main classification table from ICC3 based on ICD-O-3 in this report.

**Risk factor:** A risk factor is a characteristic or exposure that increases the risk of disease. A risk factor might be exposure to high levels of radon, having a diet low in vitamin A, having a family history of colon cancer, or having a high cholesterol level.

**SEER\*Stat software:** The SEER\*Stat statistical software, a convenient, intuitive mechanism for the analysis of SEER and other cancer-related databases, was used for analyses. It is a powerful PC tool developed by IMS, Inc., Silver Spring, Maryland, to view individual cancer records and to produce statistics such as incidence rates and survival rates for studying the impact of cancer on a population. It is available at the following website: <http://seer.cancer.gov/seerstat/>.

**Statistical Analysis Software (SAS) software:** SAS software was also used to organize the incidence and mortality data and generate the output from SEER\*Stat.

## INTERPRETATION OF CANCER STATISTICS

**W**hen reviewing the various cancer incidence, mortality, and trend statistics provided in this report, be aware how to interpret these statistics. The observed rates may have been influenced by differences in the timeliness, completeness, and accuracy of the data from one reporting period to another, or from one primary cancer site to another.

Age-adjusted and age-specific rates for all cancer sites combined and selected cancers are presented in this report. Crude rates are helpful in determining the cancer burden and specific needs for services for a given population, compared with another population, regardless of size. Crude rates are influenced by the underlying age distribution of the county's population. Even if two counties have the same age-adjusted rates, the county with the relatively older population (as demonstrated by a higher median age) will have higher crude rates because incidence or death rates for most cancers increase with increasing age. Ideally, crude, age-adjusted, and age-specific rates are all used to plan for population-based cancer prevention and control interventions.

The cancer mortality statistics in this report are influenced by the accuracy of information on the death certificate. Cause of death determined by autopsy combined with clinical data is considered the best estimate of the true cause of death.

It is sometimes of interest to compare cancer statistics for Tennessee with those from other registries and/or SEER and USCS rates. In making such comparisons, one must carefully assess all of the following: (1) completeness of case ascertainment, (2) rules used to determine multiple primaries, (3) followup, (4) rules used in assigning and coding cause of death, and (5) the sources and procedures used in obtaining population estimates. Depending on the rates being compared, there could be other confounding factors which should be considered, such as, whether the same standard or standard million population was used for age-adjustment.

Users of this report who want to know whether the differences between the rates of various groups are statistically significant might check whether the confidence intervals overlap. This method for detecting statistical significance is a commonly accepted method employed by research scientists. It may, however, fail to detect a statistically significant difference between two rates that might be detectable by using standard hypothesis testing.

Another consideration when comparing differences between rates is their public health importance. For some rates in this report, numerators and denominators are large and standard errors are therefore small, resulting in statistically significant differences that may be so small as to lack importance for decisions related to population-based public health programs.

## APPENDICES

### Appendix A. 2000 US Standard Population (Census P25-1130) for Age-Adjustment

Age	2000 United States Standard Population (Census P25-1130)
<b>All Ages</b>	274,633,642
<1	3,794,901
1-4	15,191,619
5-9	19,919,840
10-14	20,056,779
15-19	19,819,518
20-24	18,257,225
25-29	17,722,067
30-34	19,511,370
35-39	22,179,956
40-44	22,479,229
45-49	19,805,793
50-54	17,224,359
55-59	13,307,234
60-64	10,654,272
65-69	9,409,940
70-74	8,725,574
75-79	7,414,559
80-84	4,900,234
85+	4,259,173

Source: [www.SEER.cancer.gov](http://www.SEER.cancer.gov)

## Appendix B. Tennessee Populations Estimation, by Sex, Race, and Age, 2003-2007

Age	Both Sexes	Male	Female
<b>ALL RACES</b>			
<1	395,772	202,755	193,017
1-4	1,572,051	805,472	766,579
5-9	1,937,287	993,333	943,954
10-14	2,010,828	1,032,597	978,231
15-19	2,062,645	1,059,154	1,003,491
20-24	2,017,248	1,020,831	996,417
25-29	1,989,129	999,779	989,350
30-34	2,066,760	1,037,069	1,029,691
35-39	2,119,523	1,055,618	1,063,905
40-44	2,269,232	1,117,784	1,151,448
45-49	2,265,712	1,106,638	1,159,074
50-54	2,087,474	1,016,310	1,071,164
55-59	1,811,750	878,498	933,252
60-64	1,428,987	682,784	746,203
65-69	1,134,441	527,176	607,265
70-74	909,543	401,163	508,380
75-79	730,552	296,195	434,357
80-84	526,443	186,277	340,166
85+	469,372	124,811	344,561
<b>WHITES</b>			
<1	300,278	154,499	145,779
1-4	1,195,949	615,482	580,467
5-9	1,472,445	757,978	714,467
10-14	1,527,256	786,205	741,051
15-19	1,605,853	828,594	777,259
20-24	1,589,965	812,017	777,948
25-29	1,583,467	807,972	775,495
30-34	1,671,033	849,948	821,085
35-39	1,736,022	876,586	859,436
40-44	1,874,972	935,168	939,804
45-49	1,860,779	921,504	939,275
50-54	1,737,197	855,284	881,913
55-59	1,561,176	764,593	796,583
60-64	1,252,338	604,855	647,483
65-69	1,004,281	471,865	532,416
70-74	807,037	360,305	446,732
75-79	655,681	268,660	387,021
80-84	474,475	169,390	305,085
85+	417,447	111,652	305,795

# CANCER IN TENNESSEE: 2003-2007

Age	Both Sexes	Male	Female
<b>BLACKS</b>			
<1	86,889	43,854	43,035
1-4	342,195	172,899	169,296
5-9	426,085	215,983	210,102
10-14	449,538	228,999	220,539
15-19	423,250	213,493	209,757
20-24	384,325	186,703	197,622
25-29	358,052	167,603	190,449
30-34	345,192	161,886	183,306
35-39	338,167	156,480	181,687
40-44	353,299	162,506	190,793
45-49	366,551	167,437	199,114
50-54	317,794	146,363	171,431
55-59	225,532	102,196	123,336
60-64	159,092	69,440	89,652
65-69	118,939	50,020	68,919
70-74	95,301	37,747	57,554
75-79	70,851	25,971	44,880
80-84	49,951	16,185	33,766
85+	50,484	12,698	37,786
<b>OTHER RACES</b>			
<1	8,605	4,402	4,203
1-4	33,907	17,091	16,816
5-9	38,757	19,372	19,385
10-14	34,034	17,393	16,641
15-19	33,542	17,067	16,475
20-24	42,958	22,111	20,847
25-29	47,610	24,204	23,406
30-34	50,535	25,235	25,300
35-39	45,334	22,552	22,782
40-44	40,961	20,110	20,851
45-49	38,382	17,697	20,685
50-54	32,483	14,663	17,820
55-59	25,042	11,709	13,333
60-64	17,557	8,489	9,068
65-69	11,221	5,291	5,930
70-74	7,205	3,111	4,094
75-79	4,020	1,564	2,456
80-84	2,017	702	1,315
85+	1,441	461	980

Source: Division of Health Statistics, Tennessee Department of Health, February, 2008

## Appendix C: United States Cancer Statistics Publication Criteria

- Case ascertainment is 90% or more complete.

The registry data include at least 90% of the expected, unduplicated cases, where the expected cases are estimated by using methods developed by the North American Association of Central Cancer Registries (NAACCR).

Because some cancer patients receive diagnostic or treatment services at more than one reporting facility, cancer registries perform a procedure known as “unduplication” to ensure that each cancer case is counted only once.

- No more than 5% of cases are ascertained solely on the basis of a death certificate.  
The proportion of cases ascertained solely on the basis of a death certificate, with no other information on the case available after the registry has completed a routine procedure known as “death clearance and followback,” is another measure of the completeness of case ascertainment.
- No more than 3% of cases are missing information on sex.
- No more than 3% of cases are missing information on age.
- No more than 5% of cases are missing information on race.
- At least 97% of the registry’s records passed a set of single-field and interfield computerized edits.  
Computerized edits are computer programs that test the validity and logic of data components. For example, if (a) a patient received a diagnosis of cancer in 1999, (b) the patient’s age was reported as 80 years, and (c) the patient’s year of birth was reported as 1942, a computerized edit could, without human intervention, identify these components as incompatible. The computerized edits were designed by the SEER Program for use by SEER registries. During the 1990s, these edits were expanded and incorporated into NAACCR standards and into the NPCR-EDITS software designed and maintained by CDC.

Source: CDC--National Program of Cancer Registries (NPCR) <http://www.cdc.gov/cancer/npcr/>



#### Appendix D: North American Association of Central Cancer Registries, Inc. (NAACCR) Certification Criteria

Cancer registries that meet the Gold Standard for Registry Certification have achieved the highest NAACCR standard for complete, accurate, and timely data to calculate standard incidence statistics for the year reviewed. The assessment is repeated annually and the recognition only pertains to a single year of data. To achieve gold certification, the data from a cancer registry must meet all of the following criteria:

- Case ascertainment has achieved 95% or higher completeness.
- A death certificate is the only source for identification of fewer than 3% of reported cancer cases.
- Fewer than 0.1% duplicate case reports are on the file.
- All data variables used to create incidence statistics by cancer type, sex, race, age, and county are 100% error-free.
- Less than 2% of the case reports on the file are missing meaningful information on age, sex, and county.
- Less than 3% of the cases on the file are missing meaningful information on race (US only).
- The file is submitted to NAACCR for evaluation within 23 months of the close of the diagnosis year under review.

Source: [www.NAACCR.org](http://www.NAACCR.org)

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