



Acknowledgments

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Introduction

This report presents statewide, age-adjusted incidence and mortality rates for all cancers diagnosed among New Jersey residents during the period 1994-1998 and comparisons of state and national data for 1993-1997. The incidence data for 1998 should be considered preliminary.

The primary goal of this report is to provide 1994-1998 data to health planners, researchers and the public. Data are provided statewide for four population subgroups: white males, white females, black males, and black females. Rates are also provided by gender for all races combined.

The prior incidence report was issued in March 2000 and presented incidence data for the years 1993-1997. This report includes cancer mortality data.



Methods

Collection and Sources of Data

The incidence data were taken from the November 2000 analytic file and tabulated using SEER*Stat, a statistical software package distributed by the National Cancer Institute. The 1994-1998 population estimates are provided by the U.S. Bureau of the Census.

The NJSCR follows the guidelines and standard practices of the SEER Program in determining multiple primary cancers for an individual. Statistics for in situ cancers of the breast and cervix are presented, but not included in the statistics for cancers of all sites.

An individual may develop more than one type of cancer within a given year. Therefore, the number of cancer cases is greater than the number of cancer patients. The out-of-state residents and cases with unknown age and/or gender are excluded. Race-specific information is not shown for persons of non-white or non-black races (including unknown race), but this information is included in the "all races" data.

Estimation of Completeness and Other Data Quality Indicators

Completeness of reporting was estimated by comparing New Jersey and U.S. incidence to mortality ratios for whites, standardized for age, gender, and cancer site. The data used to generate these ratios were the cancer incidence rates for all SEER registries combined and the U.S. mortality rates for years 1992-1996. Using these standard formulae, it is possible for the estimation of completeness to be greater than 100%. For 1998, the completeness of case reporting was estimated as 105.5% when this report was prepared. In contrast, the 1997 rates for the comparable incidence report for the years 1993-1997, which we issued in March of 2000, was calculated to be 99% at that time. Cancers among children (age 0-14) tend to be reported somewhat later than those among adults because many pediatric cases are diagnosed in out-of-state facilities that are not subject directly to New Jersey reporting regulations. Out-of-state cases are reported under mutual agreements with New York, Pennsylvania, Delaware, Florida, and Maryland.

Other 1998 data quality indicators measured were as follows:

Incidence:

Percent death-certificate-only cases: 1.8 %

Percent of unresolved duplicates: 0.09%

Percent of unknown race: 0.3%

Number of unknown age: 5

Number of unknown gender: 1

Mortality:

Number of unknown race: 4

Number of unknown age: 4

Number of unknown gender: 0

Calculation of Rates

A cancer incidence rate is defined as the number of new cases of cancer detected during a specified time period in a specified population. These rates are most commonly expressed as cases per 100,000 population. Cancer occurs at different rates in different age groups, and population subgroups defined by gender and race have different age distributions. Therefore, before a valid comparison can be made between rates, it is necessary not only to adjust the rates by age but also to standardize the rates to the age distribution of a standard population. In this report, the 1970 US Standard Million population was used. Mortality rates are similarly defined and calculated. Records that were missing gender, age, or race could not be included in the rates presented in this report. Since the number of records so affected are very small, the rates are virtually unaffected by the non-inclusion of these records.

The first step in this procedure was to determine the age-specific rates. For each age-group for a given time interval (within each race-gender group, for the entire state), the following formula was applied:

$$r_a = \frac{n_a}{t \times P_a}$$

where:

ra = the age-specific rate for age-group a,

na = the number of events (cancer diagnoses) in the age-group during the time interval,

t = the length of the time interval (in years), and

Pa = average size of the population in the age-group during the time interval (mid- year population or average of mid-year population sizes).

In order to determine the age-adjusted and standardized rate, a weighted average of the age-specific rates was calculated, using the age distribution of the standard population to derive

the age-specific weighting factors (Rothman, 1985). This is the technique of direct standardization, which uses the following formula:

$$R = \frac{\sum_{a=1}^n r_a \times Std. P_a}{\sum_{a=1}^n Std. P_a}$$

where:

R = the age-adjusted rate

r_a = the age-specific rate for age-group a, and

Std.P_a = the size of the standard population in each age-group a.

While age adjustment and standardization facilitates the comparison of rates among different populations, there can be important age-specific differences in disease occurrence, which are not apparent in comparisons of the age-adjusted rates (Breslow and Day, 1987).

Analogous definitions and calculations apply for cancer mortality rates.



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Registry Overview

This publication is based on incidence data reported to the New Jersey State Cancer Registry (NJSCR) and on death certificates collected and processed by the New Jersey Department of Health and Senior Services Bureau of Vital Statistics and Center for Health Statistics. The NJSCR was established by legislation (NJSA 26:2-104 et seq.) as a population-based incidence registry and includes all cancer cases diagnosed among New Jersey residents since October 1, 1978. The NJSCR serves the entire State of New Jersey, with a population of approximately eight million people.

New Jersey regulations (NJAC 8:57-A) require the reporting of all newly diagnosed cancer cases to the Registry within three months of hospital discharge or six months of diagnosis (whichever is sooner). All primary malignant and in situ neoplasms are reportable to the NJSCR, except certain carcinomas of the skin. Additionally, beginning with the 1995 diagnosis year, cancer in situ of the cervix was no longer reportable based on recommendations by a New Jersey panel of experts and the North American Association of Central Cancer Registries (NAACCR). Reports are filed by hospitals, diagnosing physicians, dentists and independent clinical laboratories. In addition, reporting agreements are maintained with New York, Pennsylvania, Delaware, Florida, and Maryland so that we may collect reports of cancer among New Jersey residents diagnosed with cancer in health care facilities outside the state. Legislation in 1996 strengthened the Registry by (1) requiring electronic reporting, (2) requiring abstracting by certified tumor registrars, and (3) establishing penalties for late or incomplete reporting.

The information collected by the NJSCR includes demographic characteristics of the patient, and medical information on each cancer (such as anatomic site, histologic type and summary stage of disease and annual follow-up status (alive/dead). These data, along with the underlying cause of death (if the patient is deceased) are incorporated into the basic data set.

For each year, the age-adjusted incidence rate per 100,000 population is given for 63 categories of cancer sites and for all sites combined. For females, breast cancer in-situ statistics are given but not included in the totals for all sites combined (as is standard practice for publication of cancer rates in the United States). Compared to preliminary data for 1997 published in our last report, 1997 incidence rates in this report for all cancers combined increased by 4.6% for males and 4.2% for females. In viewing the tables of this report, it should also be noted that the annual rates for relatively uncommon cancers tend to fluctuate more from year to year, due to small numbers of cases, particularly in minority populations. The 1998 data presented here should be considered preliminary and rates may

increase slightly by the time all data are complete. It should also be noted that minor fluctuations might be seen from previous incidence reports due to ongoing editing and review of the data.

New Jersey cancer mortality rates are derived from death certificates collected by the Bureau of Vital Statistics in the New Jersey Department of Health and Senior Services. These rates represent the number of deaths occurring among New Jersey residents during the specified time periods with cancer listed as the underlying cause of death. One cannot directly compare incidence and mortality rates for several reasons. The death of an individual with cancer could be from an unrelated cause such as ischemic heart disease or an injury. Some people who have been diagnosed with cancer while living in New Jersey may emigrate from the state at a later date, and, if they die of the disease, their death certificate may not be reported to New Jersey officials. Likewise, people who die of cancer while living in the state may have been diagnosed before moving to New Jersey. Furthermore, people who died during the period 1994-1998 with cancer may have been diagnosed before 1994.



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Summaries

Summary of Cancer Incidence Data

Overall age-adjusted cancer incidence rates have increased for both males and females, particularly for black females. Lung cancer incidence rates have decreased slightly for males and have increased for females. Prostate cancer rates increased slightly at least through 1997, possibly reflecting the last phase of the typical pattern seen following the introduction of a widespread screening program. Breast cancer incidence rates also appear to be rising at least through 1997 in a manner consistent with continued improvements in screening, since the rise in rates were primarily among the in situ and local stages during these years. Incidence rates for colon cancer have been fairly stable for both males and females.

The rise in non-Hodgkin's lymphoma incidence can still be seen during these years particularly among females while malignant melanoma increases are apparent among males. Incidence of these cancers has been increasing for the country as a whole. Overall patterns in New Jersey continued to approximate those for the entire nation during 1993-1997, as published in *Cancer in North America, 1993-1997*.

Summary of Cancer Incidence Rates in New Jersey, 1994-1998 ([Tables 1-6](#))

A total of 43,303 cases of invasive cancer diagnosed in 1998 among New Jersey residents had been reported to the NJSCR. During the period 1994-1998, a total of 212,116 cases of cancer were diagnosed among New Jersey residents, 51% among males and 49% among females. Tables 1 through 6 display the total counts of newly diagnosed cases of cancer in New Jersey and the age-adjusted incidence rates by race and gender for the period 1994 through 1998.

In the paragraphs below, we note the most striking patterns indicated in Tables 1 through 6 according to gender and the largest racial subgroups also taking into account fluctuations and trends in incidence data for years prior to 1994. Incidence data for years prior to 1994 can be viewed on the NJDHSS website, www.state.nj.us/health and can also be found in our previous cancer incidence reports.

Males (Tables 1, 3, and 5): During the years 1994-1998, the overall cancer incidence rate increased. Lung cancer incidence rates decreased slightly among all males combined and among white males during this period. Prostate cancer rates rose among both whites and blacks through 1997. Rates for non-Hodgkin's lymphoma among all males and malignant

melanoma of the skin among white males continued to increase, a trend also seen in the U.S. as a whole. Incidence rates for kidney and liver/intrahepatic bile duct cancers have increased slightly.

Females (Tables 2, 4, 6, and 7): The overall cancer incidence rate for females increased (Table 2). Incidence rates of lung cancer rose during the 1994-1998 period, in contrast to the decline of lung cancer rates in males. Declines continued to be seen for invasive cervical cancer. In situ breast cancer rates rose markedly during these years, indicating increased rates of screening. Invasive breast cancer incidence rates also rose slightly, and the increases were primarily among cancers diagnosed at the most treatable (local) stage (Table 7) again suggesting that screening is becoming more widespread (see our in-depth report of September 1998 on breast cancer regarding breast cancer trends during 1979-1995). The incidence of cancers of the uterine corpus also increased during these years. Non-Hodgkin's lymphoma incidence increased as well. For white females (Table 4), the incidence of malignant melanoma of the skin and thyroid cancer increased and for black females (Table 6), there was an increase in bladder cancers.

Comparison of Cancer Incidence Data for New Jersey with the United States, 1993-1997 **(Tables 8-9)**

Tables 8 and 9 show the comparable incidence rates for the three most common sites of cancer for males and for females, as well as the comparable rates for melanoma, non-Hodgkin's lymphoma, and for all cancer sites combined. Historically, New Jersey rates have been representative of the Northeast region, which tends to have higher cancer incidence rates than the U.S. as a whole.

When comparing rates between areas or over time, it is important to use rates that are adjusted or weighted to a common standard. In this report, as is general practice in this country, we have presented rates adjusted to the 1970 U.S. population. Using this standard, along with the Surveillance, Epidemiology, and End Results (SEER) multiple primary rules, makes it possible to compare New Jersey age-adjusted rates to rates published by NAACCR in Cancer in North America. The most recent detailed data available from NAACCR are for the time period 1993-1997. Therefore, we have prepared comparison tables for major sites for this time period.

For males (Table 8), all races combined, total cancer incidence rates were higher in New Jersey than the U.S. during the period 1993-1997. The incidence rates for colorectal and prostate cancer and non-Hodgkin's lymphoma were higher than those for the total U.S. Lung cancer rates were the same for whites but lower for blacks in New Jersey compared to the nation. Melanoma incidence rates for the U.S. and New Jersey were similar.

For females (Table 9), New Jersey had higher incidence rates than the U.S. during the period 1993-1997 for total cancers, lung, colorectal, and non-Hodgkin's lymphoma for all races

combined, for blacks and for whites. Black females had slightly lower breast cancer rates in New Jersey, while white females in New Jersey had higher rates. Melanoma incidence rates were slightly lower in New Jersey for white females, but for black females the New Jersey rates were similar to the U.S.

Summary of Cancer Mortality Data

The New Jersey cancer mortality data through 1998 reflect many trends observed throughout the nation. Cancer mortality rates of the U.S. have been on the decline since 1991 and the decline has been more rapid since 1995. This decline is more apparent among New Jersey men than women. Research suggests that advances in treatment and increased screening have helped reduce mortality from cancer. Declines in smoking rates are also believed to have contributed to the decreases in males.

Cancer Mortality Rates in New Jersey, 1994-1998 ([Tables 10-15](#))

There were 17,583 deaths in 1998 for which cancer was designated on the death certificates as the underlying cause. During the period 1994-1998, 90,706 deaths from cancer occurred among New Jersey residents, 50% among males and 50% among females. Tables 10-15 display the total counts of deaths from cancer in New Jersey and age-adjusted mortality rates by race and gender for the period 1994 through 1998.

In the paragraphs below, we note the most striking patterns indicated in Tables 10 through 15 according to gender and the largest racial subgroups. Mortality trends are also compared to the incidence data described above and shown in Tables 1 through 6.

Males (Tables 10, 12, 14): During the years 1994-1998, the overall cancer mortality rate decreased (Table 10) despite a slight increase in incidence rates over the past few years. In particular, lung cancer mortality rates decreased, consistent with trends in incidence. Decreases were also seen in prostate cancer and colorectal cancer rates. In addition, pancreatic cancer, also one of the top five sites of cancer mortality in New Jersey, decreased slightly since 1995.

Bladder cancer mortality rates declined, as did oral and pharyngeal cancer deaths. Mortality rates for non-Hodgkin's lymphoma remained constant, despite a slight increase in incidence.

For white males (Table 12), the trends for the most common cancers were similar to those for all males. Colorectal cancer rates decreased for white men.

Although cancer mortality rates for black males (Table 14) have been significantly higher than for white males, they also show an overall decreasing trend. Mortality rates for esophageal cancer, one of the top causes of cancer death among blacks, has decreased.

Females (Tables 11, 13, and 15): During the years 1994-1998, the overall cancer mortality

rate decreased (Table 11) despite increases in incidence rates. Breast cancer mortality rates decreased in contrast to the increase in incidence rates, an observation is consistent with the trend toward earlier diagnoses for breast cancers. A downward trend was also seen for colorectal cancer deaths even though incidence did not decrease. However, mortality rates among females for lung cancer increased, similar to the incidence rates. Cervical cancer mortality rates decreased, again reflecting the trend toward diagnosis at an earlier stage. There was a slight downward trend in ovarian cancer mortality. Uterine corpus mortality rates remained stable. There were no clear trends for melanoma or non-Hodgkin's lymphoma mortality, despite the increase in incidence rates.

For white females (Table 13), the cancer mortality trends for most common cancers were similar to those for all females combined. Ovarian cancer decreased more consistently for white women.

For black females (Table 15), cancer mortality rates were higher than those for white females but not as high as for black males. Rates for most common cancers fluctuated during the 5-year period. Over these years cervical cancer mortality rates have declined more dramatically for black females than for white females.

Comparison of Cancer Mortality Data for New Jersey with the United States, 1993-1997 **(Tables 16-17)**

For all cancer sites combined, New Jersey cancer mortality rates were higher among males than the corresponding rates for the U.S. However, mortality rates for black males were somewhat lower in New Jersey than the comparable rate for the U.S. Lung cancer mortality rates in males were lower in N.J. than for the nation. Mortality rates for colorectal cancer and prostate cancer were higher in New Jersey than the U.S.

Among females, the mortality rates for all sites combined, lung, colorectal, and breast cancers were higher in New Jersey than the U.S. as a whole during this five-year period.



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**Cancer Incidence and
Mortality in New Jersey
1994 -1998**

Age-adjusted Incidence Rates for Specific Sites, Males (all races combined)

Cancer Site	Total Cases	Rates				
		1994	1995	1996	1997	1998 Prelim.
All Sites	109,645	511.9	512.6	514.8	517.2	509.7
Oral Cavity and Pharynx	2,967	13.6	14.8	14.2	13.9	13.9
Lip	170	0.9	1.0	0.7	0.8	0.7
Tongue	726	3.2	2.9	3.6	3.3	4.3
Salivary Gland	291	1.3	1.3	1.2	1.5	1.4
Floor of Mouth	282	1.5	1.8	1.2	1.4	1.0
Gum and Other Mouth	436	1.9	2.4	2.2	1.8	1.8
Nasopharynx	181	0.8	1.1	0.8	0.8	0.8
Tonsil	331	1.6	1.3	1.8	1.5	1.8
Oropharynx	123	0.5	0.7	0.6	0.8	0.4
Hypopharynx	294	1.2	1.8	1.6	1.4	1.2
Digestive System	22,588	104.3	104.2	103.9	105.1	106.9
Esophagus	1,599	8.1	7.3	7.3	7.4	7.8
Stomach	2,581	11.5	11.9	11.8	12.4	12.0
Small Intestine	297	1.3	1.3	1.3	1.4	1.6
Colon and Rectum	13,537	62.4	62.3	63.1	62.9	63.0
Colon excluding Rectum	9,458	43.8	43.7	42.9	44.0	43.7
Rectum and Rectosigmoid Junction	4,079	18.6	18.6	20.1	18.9	19.3
Anus	185	0.9	0.8	0.7	1.0	0.9
Liver and Intrahepatic Bile Duct	1,304	5.4	6.1	6.3	5.9	6.7
Liver	1,106	4.5	5.2	5.5	4.9	5.8

Intrahepatic Bile Duct	198	1.0	0.9	0.8	1.0	1.0
Gallbladder	205	0.9	0.8	0.9	1.1	1.0
Pancreas	2,370	11.5	11.5	10.5	10.6	11.1
Respiratory System	19,147	91.5	91.0	90.3	88.4	88.3
Larynx	1,636	8.0	8.5	7.8	7.7	7.2
Lung and Bronchus	16,777	80.3	78.9	78.9	77.5	78.0
Bones and Joints	230	1.2	0.9	1.5	1.0	1.3
Soft Tissue (Including Heart)	742	4.1	3.5	3.4	3.1	3.5
Skin (Excluding Basal and Squamous)	3,930	16.4	16.7	18.9	19.6	18.2
Melanomas of the Skin	3,284	13.0	13.5	16.1	17.6	15.9
Breast	286	1.6	1.1	1.3	1.4	1.2
Male Genital System	34,302	160.5	157.6	162.4	169.8	156.2
Prostate	33,038	154.6	152.5	157.3	164.4	150.5
Testis	1,065	5.0	4.2	4.3	4.6	4.7
Penis	147	0.7	0.7	0.5	0.7	0.8
Urinary System	10,914	49.3	53.1	50.3	49.6	51.5
Urinary Bladder (Including in situ)	7,497	34.0	36.6	34.0	34.4	34.4
Kidney and Renal Pelvis	3,138	13.7	15.0	15.5	14.3	15.7
Ureter	192	1.1	1.0	0.6	0.8	0.9
Eye	220	1.1	1.1	1.0	1.2	1.0
Brain and Other Nervous System	1,605	8.1	8.3	7.6	7.7	7.6
Brain	1,505	7.5	7.7	7.2	7.2	7.1
Endocrine System	812	3.9	4.2	3.2	3.6	4.3
Thyroid	639	2.8	3.2	2.5	2.9	3.4
Lymphomas	5,312	23.6	25.2	24.9	23.7	25.6
Hodgkins Disease	730	3.6	4.0	3.5	3.2	3.4
Non-Hodgkins Lymphomas	4,582	20.0	21.2	21.4	20.4	22.2
Multiple Myeloma	1,166	5.0	5.8	5.2	5.5	5.5
Leukemias	2,767	13.9	12.9	13.8	12.9	12.8
Lymphocytic Leukemia	1,152	6.2	5.8	6.1	5.0	5.9

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Acute Lymphocytic Leukemia	343	1.9	2.0	2.1	1.6	2.3
Chronic Lymphocytic Leukemia	773	4.1	3.6	3.8	3.3	3.4
Myeloid Leukemia	1,205	5.3	5.2	6.2	6.2	5.1
Acute Myeloid Leukemia	764	3.5	3.4	3.9	3.9	3.4
Chronic Myeloid Leukemia	377	1.6	1.5	2.0	2.1	1.5
Monocytic Leukemia	52	0.3	0.3	0.1	0.3	0.3
Other Leukemia	358	2.1	1.7	1.4	1.4	1.5
Ill-Defined & Unspecified Sites	2,657	13.7	12.3	12.9	10.6	11.9


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**Cancer Incidence and
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Age-adjusted Incidence Rates for Specific Sites, Females (all races combined)

Cancer Site	Total Cases	Rates				
		1994	1995	1996	1997	1998 Prelim.
All Sites	105,065	372.8	374.1	375.6	382.7	381.5
Oral Cavity and Pharynx	1,534	5.4	6.1	6.0	5.2	5.3
Lip	74	0.2	0.3	0.2	0.3	0.2
Tongue	364	1.2	1.6	1.5	1.1	1.2
Salivary Gland	244	0.8	0.7	1.1	0.8	1.0
Floor of Mouth	132	0.5	0.6	0.5	0.5	0.5
Gum and Other Mouth	322	1.1	1.2	1.1	1.2	1.0
Nasopharynx	90	0.3	0.4	0.4	0.3	0.3
Tonsil	123	0.5	0.5	0.6	0.4	0.3
Oropharynx	45	0.2	0.3	0.1	0.1	0.2
Hypopharynx	91	0.4	0.4	0.3	0.3	0.3
Digestive System	20,974	67.8	67.1	66.4	68.4	67.7
Esophagus	592	2.1	2.1	1.8	2.1	1.9
Stomach	1,770	5.7	5.6	5.4	5.4	5.8
Small Intestine	281	1.0	0.9	0.9	0.9	1.1
Colon and Rectum	13,623	43.5	43.3	43.0	44.0	44.1
Colon excluding Rectum	10,227	32.0	32.2	31.9	32.6	32.7
Rectum and Rectosigmoid Junction	3,396	11.6	11.1	11.2	11.4	11.4
Anus	293	0.8	0.9	1.1	1.4	1.0
Liver and Intrahepatic Bile Duct	663	2.1	2.2	2.2	2.3	2.2
Liver	497	1.8	1.8	1.6	1.9	1.4
Intrahepatic Bile Duct	166	0.3	0.5	0.5	0.5	0.8
Gallbladder	461	1.6	1.4	1.5	1.4	1.3

Pancreas	2,761	8.9	9.1	8.8	9.0	8.7
Respiratory System	13,694	47.7	48.1	50.2	49.8	49.8
Larynx	458	2.0	1.6	1.7	1.5	2.0
Lung and Bronchus	12,963	44.8	45.7	47.4	47.1	46.8
Bones and Joints	193	0.8	0.7	0.9	1.0	1.3
Soft Tissue (Including Heart)	632	2.3	2.7	2.3	2.9	2.4
Skin (Excluding Basal and Squamous)	2,806	10.2	9.4	9.9	11.7	10.8
Melanomas of the Skin	2,514	9.2	8.4	9.0	10.7	9.8
Breast (Invasive)	31,099	114.9	115.0	115.5	119.0	117.7
in situ (not included in All Sites)	5,678	16.2	20.4	23.1	25.8	27.9
Female Genital System	14,088	54.1	54.1	53.1	52.6	53.9
Cervix (Invasive)	2,537	10.4	10.1	10.3	9.2	8.6
Corpus and Uterus, NOS	6,446	23.7	25.0	24.6	24.7	26.2
Corpus	6,150	22.4	23.8	23.7	23.8	25.1
Uterus, NOS	296	1.3	1.2	1.0	0.9	1.1
Ovary	4,239	16.9	16.3	15.7	15.3	15.9
Vagina	160	0.6	0.6	0.4	0.7	0.4
Vulva	550	1.8	1.5	1.6	2.0	2.1
Urinary System	5,032	16.5	17.5	17.0	18.0	17.2
Urinary Bladder (Including in situ)	2,820	9.2	9.3	9.4	9.8	9.1
Kidney and Renal Pelvis	2,065	6.8	7.8	7.1	7.7	7.7
Ureter	116	0.4	0.4	0.4	0.4	0.3
Eye	196	0.9	0.9	0.8	0.7	0.8
Brain and Other Nervous System	1,348	5.4	5.2	5.6	5.2	5.7
Brain	1,221	4.7	4.9	5.1	4.8	5.1
Endocrine System	1,918	6.8	7.6	8.3	7.8	8.6
Thyroid	1,776	6.3	7.0	7.7	7.2	7.9
Lymphomas	4,863	17.0	17.2	17.2	18.8	18.9
Hodgkins Disease	640	3.0	3.1	3.1	2.7	3.1
Non-Hodgkins Lymphomas	4,223	14.0	14.1	14.2	16.1	15.9

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Multiple Myeloma	1,137	3.9	3.6	3.7	4.0	4.1
Leukemias	2,221	7.9	8.5	8.3	8.2	7.3
Lymphocytic Leukemia	879	3.6	3.7	3.3	3.5	2.8
Acute Lymphocytic Leukemia	249	1.2	1.3	1.6	1.5	1.3
Chronic Lymphocytic Leukemia	597	2.3	2.3	1.6	2.0	1.3
Myeloid Leukemia	1,006	3.4	3.7	4.1	3.5	3.4
Acute Myeloid Leukemia	696	2.4	2.6	3.0	2.3	2.3
Chronic Myeloid Leukemia	255	0.8	0.9	0.8	1.0	0.9
Monocytic Leukemia	48	0.2	0.2	0.1	0.2	0.2
Other Leukemia	288	0.8	1.0	0.9	1.0	0.9
Ill-Defined & Unspecified Sites	3,330	11.3	10.4	10.5	9.6	10.1


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**Cancer Incidence and
Mortality in New Jersey
1994 -1998**

Age-adjusted Incidence Rates for Specific Sites, White Males

Cancer Site	Total Cases	Rates				
		1994	1995	1996	1997	1998 Prelim.
All Sites	94,519	497.7	499.7	508.4	511.8	505.7
Oral Cavity and Pharynx	2,403	13.3	13.7	13.5	13.0	12.6
Lip	164	0.9	1.1	0.8	0.8	0.7
Tongue	605	3.3	2.8	3.4	3.3	4.1
Salivary Gland	242	1.2	1.2	1.2	1.5	1.4
Floor of Mouth	231	1.5	1.7	1.2	1.3	0.9
Gum and Other Mouth	354	1.9	2.2	2.0	1.6	1.7
Nasopharynx	127	0.7	1.0	0.7	0.6	0.6
Tonsil	261	1.5	1.1	1.8	1.4	1.6
Oropharynx	89	0.5	0.6	0.5	0.7	0.3
Hypopharynx	223	1.1	1.6	1.5	1.2	0.9
Digestive System	19,557	102.5	101.4	102.6	103.8	104.5
Esophagus	1,274	7.4	6.3	6.6	6.8	7.2
Stomach	2,147	11.0	11.1	11.1	11.8	11.4
Small Intestine	248	1.3	1.2	1.2	1.4	1.6
Colon and Rectum	12,016	62.5	61.9	63.8	63.7	63.3
Colon excluding Rectum	8,376	43.7	43.2	42.8	44.3	43.8
Rectum and Rectosigmoid Junction	3,640	18.8	18.7	20.9	19.3	19.5
Anus	153	0.8	0.9	0.7	1.0	0.8
Liver and Intrahepatic Bile Duct	1,029	4.9	5.6	5.8	5.2	6.0
Liver	866	3.9	4.7	5.0	4.4	5.1
Intrahepatic Bile Duct	163	1.0	0.8	0.8	0.8	0.9
Gallbladder	178	0.8	0.8	0.9	1.1	1.0

Pancreas	2,063	11.3	11.2	10.6	10.4	10.9
Respiratory System	16,519	89.0	89.7	87.9	86.5	86.6
Larynx	1,354	7.3	8.3	7.2	7.3	7.0
Lung and Bronchus	14,501	78.5	77.6	77.0	76.0	76.3
Bones and Joints	188	1.2	0.9	1.5	1.1	1.3
Soft Tissue (Including Heart)	617	3.7	3.5	3.4	3.0	3.8
Skin (Excluding Basal and Squamous)	3,588	16.3	17.0	20.3	21.8	20.4
Melanomas of the Skin	3,123	13.5	14.2	17.9	20.1	18.4
Breast	249	1.5	1.1	1.4	1.4	1.3
Male Genital System	28,768	149.6	147.6	155.3	162.4	151.7
Prostate	27,590	143.0	141.7	149.3	156.1	145.1
Testis	1,009	5.8	4.9	5.2	5.5	5.6
Penis	121	0.6	0.7	0.4	0.6	0.8
Urinary System	10,068	51.5	55.5	53.1	52.0	54.7
Urinary Bladder (Including in situ)	7,069	36.1	38.8	36.8	36.6	37.2
Kidney and Renal Pelvis	2,737	13.8	15.1	15.3	14.2	16.0
Ureter	183	1.1	1.1	0.7	0.9	1.0
Eye	198	1.2	1.1	1.1	1.3	1.0
Brain and Other Nervous System	1,407	8.4	8.4	7.7	8.4	7.8
Brain	1,324	7.8	7.8	7.4	7.9	7.3
Endocrine System	696	3.7	4.2	3.3	3.8	4.6
Thyroid	555	2.7	3.1	2.5	3.1	3.7
Lymphomas	4,626	24.0	25.7	25.5	24.6	25.8
Hodgkins Disease	621	3.7	4.2	3.8	3.4	3.5
Non-Hodgkins Lymphomas	4,005	20.4	21.5	21.7	21.2	22.3
Multiple Myeloma	927	4.4	5.2	4.8	5.0	4.9
Leukemias	2,450	14.2	13.3	14.7	13.1	13.0
Lymphocytic Leukemia	1,028	6.5	6.1	6.5	5.1	6.3
Acute Lymphocytic Leukemia	294	2.1	2.2	2.4	1.7	2.5
Chronic Lymphocytic Leukemia	705	4.2	3.6	4.1	3.3	3.6

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Myeloid Leukemia	1,060	5.4	5.3	6.6	6.2	5.0
Acute Myeloid Leukemia	691	3.7	3.6	4.2	4.0	3.3
Chronic Myeloid Leukemia	316	1.4	1.5	2.0	2.0	1.4
Monocytic Leukemia	49	0.3	0.3	0.2	0.3	0.3
Other Leukemia	313	2.1	1.6	1.5	1.5	1.5
Ill-Defined & Unspecified Sites	2,258	13.0	11.6	12.3	10.7	11.6



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**Cancer Incidence and
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Age-adjusted Incidence Rates for Specific Sites, White Females

Cancer Site	Total Cases	Rates				
		1994	1995	1996	1997	1998 Prelim.
All Sites	92,147	377.5	378.7	386.6	390.8	390.5
Oral Cavity and Pharynx	1,303	5.2	6.1	6.0	5.0	5.0
Lip	66	0.2	0.3	0.2	0.3	0.2
Tongue	316	1.1	1.6	1.5	1.1	1.3
Salivary Gland	213	0.8	0.8	1.2	0.8	1.0
Floor of Mouth	113	0.5	0.6	0.6	0.5	0.5
Gum and Other Mouth	276	1.1	1.2	1.1	1.1	0.9
Nasopharynx	67	0.3	0.4	0.3	0.3	0.3
Tonsil	100	0.5	0.5	0.5	0.4	0.3
Oropharynx	39	0.2	0.3	0.1	0.2	0.1
Hypopharynx	71	0.3	0.4	0.3	0.2	0.3
Digestive System	18,233	66.1	64.9	65.8	67.1	66.3
Esophagus	461	1.8	1.8	1.6	1.7	1.7
Stomach	1,433	5.2	4.9	4.9	5.0	5.1
Small Intestine	238	1.0	0.9	0.8	0.9	1.1
Colon and Rectum	12,025	43.0	42.6	43.6	43.7	43.8
Colon excluding Rectum	9,015	31.2	31.5	32.0	32.4	32.3
Rectum and Rectosigmoid Junction	3,010	11.8	11.1	11.5	11.3	11.5
Anus	255	0.9	0.9	1.1	1.4	1.1
Liver and Intrahepatic Bile Duct	557	2.0	2.2	1.9	2.2	2.2
Liver	402	1.6	1.8	1.3	1.7	1.3
Intrahepatic Bile Duct	155	0.4	0.4	0.6	0.5	0.9
Gallbladder	389	1.6	1.3	1.5	1.4	1.1

Pancreas	2,410	8.7	8.8	8.8	8.9	8.5
Respiratory System	12,139	47.8	49.2	51.5	51.0	50.8
Larynx	379	1.7	1.6	1.6	1.6	1.9
Lung and Bronchus	11,523	45.2	46.7	48.8	48.4	48.0
Bones and Joints	169	0.9	0.7	1.0	1.1	1.4
Soft Tissue (Including Heart)	525	2.3	2.7	2.1	2.7	2.4
Skin (Excluding Basal and Squamous)	2,605	10.4	10.1	11.2	13.3	12.5
Melanomas of the Skin	2,362	9.5	9.3	10.3	12.2	11.6
Breast (Invasive)	27,354	118.3	118.5	120.1	123.1	121.7
in situ (not included in All Sites)	4,938	17.0	20.6	23.8	27.3	29.6
Female Genital System	12,170	55.4	54.2	55.0	53.1	55.5
Cervix (Invasive)	1,893	9.5	8.8	9.7	8.4	7.9
Corpus and Uterus, NOS	5,746	25.3	25.9	25.9	25.4	27.7
Corpus	5,511	23.9	24.7	25.1	24.7	26.8
Uterus, NOS	235	1.4	1.1	0.9	0.7	0.9
Ovary	3,784	17.7	17.1	16.8	16.1	16.6
Vagina	129	0.5	0.5	0.4	0.6	0.4
Vulva	489	1.7	1.3	1.7	2.1	2.2
Urinary System	4,580	17.3	18.5	17.9	18.6	18.0
Urinary Bladder (Including in situ)	2,610	9.8	9.9	10.0	10.4	9.8
Kidney and Renal Pelvis	1,836	7.0	8.1	7.4	7.7	7.9
Ureter	114	0.4	0.4	0.4	0.4	0.4
Eye	187	1.1	1.0	1.0	0.7	0.8
Brain and Other Nervous System	1,187	5.7	5.3	5.8	5.5	6.1
Brain	1,088	5.0	5.0	5.4	5.1	5.5
Endocrine System	1,649	7.0	7.9	8.8	8.2	9.6
Thyroid	1,528	6.5	7.2	8.2	7.6	8.8
Lymphomas	4,311	17.6	18.1	17.8	19.7	19.7
Hodgkins Disease	563	3.3	3.6	3.3	3.1	3.4
Non-Hodgkins Lymphomas	3,748	14.3	14.6	14.5	16.6	16.3

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Multiple Myeloma	873	3.4	3.0	3.5	3.4	3.4
Leukemias	1,968	7.9	8.8	8.9	8.6	7.6
Lymphocytic Leukemia	779	3.5	3.8	3.6	3.8	3.0
Acute Lymphocytic Leukemia	215	1.3	1.4	1.8	1.7	1.4
Chronic Lymphocytic Leukemia	536	2.1	2.4	1.7	2.0	1.4
Myeloid Leukemia	893	3.5	3.9	4.3	3.6	3.5
Acute Myeloid Leukemia	629	2.6	2.7	3.1	2.6	2.4
Chronic Myeloid Leukemia	217	0.8	0.9	0.9	0.9	0.9
Monocytic Leukemia	43	0.2	0.2	0.1	0.2	0.3
Other Leukemia	253	0.8	0.9	0.9	1.0	0.8
Ill-Defined & Unspecified Sites	2,894	11.2	9.7	10.3	9.6	9.7


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**Cancer Incidence and
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Age-adjusted Incidence Rates for Specific Sites, Black Males

Cancer Site	Total Cases	Rates				
		1994	1995	1996	1997	1998 Prelim.
All Sites	11,970	580.4	628.4	605.5	594.5	592.0
Oral Cavity and Pharynx	454	13.8	24.1	20.6	21.5	23.5
Lip	2	0.3	0.0	0.0	0.2	0.0
Tongue	99	2.5	4.7	5.1	4.4	5.9
Salivary Gland	38	1.9	2.8	0.8	1.3	2.5
Floor of Mouth	48	1.7	2.6	2.0	2.2	2.2
Gum and Other Mouth	59	1.1	3.2	3.4	4.1	2.0
Nasopharynx	20	0.2	1.1	0.8	1.2	0.8
Tonsil	67	1.9	3.3	2.7	2.2	4.5
Oropharynx	31	0.6	1.5	1.5	1.8	1.4
Hypopharynx	64	2.2	3.7	3.2	2.6	3.6
Digestive System	2,394	112.8	133.3	113.3	117.2	125.4
Esophagus	288	15.2	16.2	12.7	12.3	14.9
Stomach	326	14.0	18.1	16.6	17.5	15.5
Small Intestine	43	2.3	2.0	2.2	1.4	2.6
Colon and Rectum	1,232	57.8	71.8	60.5	60.3	64.0
Colon excluding Rectum	895	41.9	52.9	45.4	44.1	46.5
Rectum and Rectosigmoid Junction	337	15.8	18.9	15.1	16.2	17.5
Anus	31	1.7	0.8	0.5	1.6	1.7
Liver and Intrahepatic Bile Duct	147	5.4	8.1	6.0	8.2	7.8
Liver	125	4.6	7.4	5.1	6.7	6.1
Intrahepatic Bile Duct	22	0.8	0.8	0.9	1.6	1.7
Gallbladder	17	1.5	0.0	0.6	1.4	1.3

Pancreas	262	13.4	15.3	11.0	12.5	14.0
Respiratory System	2,311	118.4	114.6	122.5	114.9	117.8
Larynx	250	14.6	12.0	14.0	12.6	9.7
Lung and Bronchus	2,011	101.8	100.0	106.6	99.2	106.0
Bones and Joints	28	1.7	0.8	1.0	0.8	0.8
Soft Tissue (Including Heart)	88	6.0	4.1	2.7	2.4	2.1
Skin (Excluding Basal and Squamous)	180	8.1	7.0	6.0	4.3	4.5
Melanomas of the Skin	26	1.7	1.8	0.4	1.1	0.6
Breast	28	2.2	0.7	0.8	2.2	1.0
Male Genital System	4,376	221.7	241.1	235.8	242.0	215.2
Prostate	4,322	218.4	239.1	234.7	240.1	213.5
Testis	32	1.3	1.4	0.5	0.9	0.7
Penis	19	1.8	0.7	0.6	0.5	1.0
Urinary System	656	32.7	34.1	32.9	33.8	33.5
Urinary Bladder (Including in situ)	318	17.6	18.1	15.3	18.1	16.8
Kidney and Renal Pelvis	329	14.0	14.9	17.6	15.7	16.3
Ureter	3	0.0	0.5	0.0	0.0	0.2
Eye	15	0.3	0.7	0.8	0.3	0.9
Brain and Other Nervous System	117	3.3	4.9	5.3	4.2	5.6
Brain	108	3.2	4.4	4.8	3.8	5.4
Endocrine System	59	2.7	2.5	2.6	2.9	2.2
Thyroid	39	1.9	1.9	1.8	1.8	1.5
Lymphomas	510	19.1	20.7	24.4	16.2	21.2
Hodgkins Disease	87	3.1	4.0	2.8	3.2	2.9
Non-Hodgkins Lymphomas	423	16.1	16.7	21.6	13.1	18.3
Multiple Myeloma	202	10.6	10.4	10.7	9.3	11.2
Leukemias	223	10.6	10.8	7.3	11.6	11.0
Lymphocytic Leukemia	86	4.8	4.2	2.8	4.9	3.5
Acute Lymphocytic Leukemia	30	1.5	0.8	1.3	1.0	1.0
Chronic Lymphocytic Leukemia	50	3.0	3.2	1.3	3.5	2.3

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Myeloid Leukemia	103	4.5	4.3	3.7	5.1	4.9
Acute Myeloid Leukemia	52	2.0	2.5	2.2	2.2	2.5
Chronic Myeloid Leukemia	43	2.2	1.6	1.5	2.3	2.0
Monocytic Leukemia	3	0.0	0.1	0.0	0.2	0.3
Other Leukemia	31	1.4	2.1	0.8	1.4	2.2
Ill-Defined & Unspecified Sites	329	16.4	18.7	18.8	10.9	16.2


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**Cancer Incidence and
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Age-adjusted Incidence Rates for Specific Sites, Black Females

Cancer Site	Total Cases	Rates				
		1994	1995	1996	1997	1998 Prelim.
All Sites	10,232	334.6	351.8	327.2	356.0	364.7
Oral Cavity and Pharynx	189	6.8	5.8	6.7	6.6	6.7
Lip	5	0.0	0.0	0.4	0.2	0.3
Tongue	42	2.1	1.2	1.5	1.4	1.0
Salivary Gland	26	0.7	0.8	0.9	0.9	0.8
Floor of Mouth	17	0.5	0.5	0.3	0.6	1.0
Gum and Other Mouth	38	1.3	1.0	1.0	1.5	1.8
Nasopharynx	11	0.2	0.4	0.6	0.5	0.3
Tonsil	21	0.9	0.6	1.4	0.4	0.5
Oropharynx	5	0.3	0.2	0.0	0.0	0.3
Hypopharynx	18	0.7	1.0	0.6	0.9	0.1
Digestive System	2,273	80.3	82.1	70.8	80.8	81.9
Esophagus	119	4.3	5.3	3.7	4.9	3.4
Stomach	252	7.9	9.1	7.6	8.9	9.4
Small Intestine	39	1.9	1.3	1.4	1.3	1.2
Colon and Rectum	1,355	47.9	47.8	42.3	48.9	48.8
Colon excluding Rectum	1,047	38.4	36.6	33.1	35.9	38.1
Rectum and Rectosigmoid Junction	308	9.5	11.2	9.2	13.0	10.7
Anus	31	0.7	1.4	1.0	1.7	0.6
Liver and Intrahepatic Bile Duct	64	3.0	1.9	2.3	2.0	1.5
Liver	57	2.9	1.7	2.0	1.9	1.2
Intrahepatic Bile Duct	7	0.1	0.2	0.3	0.2	0.3
Gallbladder	56	1.5	2.1	1.7	1.4	2.9

Pancreas	306	10.7	11.6	9.5	10.7	11.6
Respiratory System	1,386	54.1	45.3	45.2	47.9	52.7
Larynx	72	4.1	1.7	2.2	1.6	3.2
Lung and Bronchus	1,287	49.3	43.0	42.0	45.0	48.7
Bones and Joints	14	0.2	0.6	0.3	0.4	0.8
Soft Tissue (Including Heart)	83	2.5	2.1	3.2	3.2	2.8
Skin (Excluding Basal and Squamous)	64	1.8	1.9	1.9	1.9	2.1
Melanomas of the Skin	23	0.5	0.2	0.9	1.3	0.9
Breast (Invasive)	2,911	91.9	98.7	95.4	97.7	100.0
in situ (not included in All Sites)	499	11.3	17.9	16.9	17.6	19.7
Female Genital System	1,498	44.9	53.0	46.9	52.7	50.6
Cervix (Invasive)	512	15.8	17.5	15.5	15.9	13.9
Corpus and Uterus, NOS	550	13.3	21.4	18.8	20.9	21.4
Corpus	494	13.0	19.2	16.9	18.5	19.0
Uterus, NOS	56	0.3	2.2	1.9	2.5	2.4
Ovary	345	12.3	10.6	10.1	12.2	12.8
Vagina	24	0.9	0.9	0.8	1.2	0.5
Vulva	47	1.8	2.1	1.4	1.4	1.2
Urinary System	379	10.1	11.9	12.2	16.4	14.6
Urinary Bladder (Including in situ)	170	4.7	5.0	5.9	7.3	6.5
Kidney and Renal Pelvis	197	4.8	6.7	5.7	8.8	7.8
Ureter	2	0.0	0.0	0.3	0.0	0.0
Eye	4	0.2	0.0	0.0	0.4	0.2
Brain and Other Nervous System	103	2.5	4.0	3.5	3.1	4.1
Brain	86	2.0	3.3	3.0	2.5	3.6
Endocrine System	146	4.6	5.1	4.0	5.2	3.7
Thyroid	129	4.3	4.9	3.4	4.5	2.8
Lymphomas	403	11.6	10.4	13.1	14.5	14.8
Hodgkins Disease	66	1.6	1.2	3.2	1.7	2.7
Non-Hodgkins Lymphomas	337	10.1	9.2	9.9	12.8	12.1

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Multiple Myeloma	235	8.5	8.3	6.0	8.3	9.9
Leukemias	192	6.2	6.8	5.5	8.0	6.4
Lymphocytic Leukemia	69	2.5	2.7	1.7	2.9	2.3
Acute Lymphocytic Leukemia	27	0.7	1.1	1.0	0.7	1.2
Chronic Lymphocytic Leukemia	38	1.6	1.4	0.6	2.2	0.9
Myeloid Leukemia	93	2.9	3.0	3.0	3.9	3.0
Acute Myeloid Leukemia	52	1.3	1.6	2.3	1.8	1.7
Chronic Myeloid Leukemia	34	1.4	0.8	0.7	1.9	1.0
Monocytic Leukemia	4	0.0	0.0	0.1	0.4	0.2
Other Leukemia	26	0.8	1.2	0.6	0.9	0.9
Ill-Defined & Unspecified Sites	352	8.6	15.7	12.5	9.2	13.5


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**Cancer Incidence and
Mortality in New Jersey
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Age-adjusted Incidence Rates by Stage at Diagnosis for Breast Cancer, Females

All races	Total Cases	Rates				
		1994	1995	1996	1997	1998
All Stages	36,777	131.0	135.4	138.5	144.9	145.6
In situ	5,678	16.2	20.4	23.1	25.8	27.9
Localized	17,758	61.2	65.9	69.4	69.9	68.9
Regional	8,875	32.9	32.8	33.2	36.1	34.1
Distant	1,823	6.6	7.5	6.3	7.3	5.8
Unstaged	2,643	14.2	8.8	6.6	5.7	8.8

Whites	Total Cases	Rates				
		1994	1995	1996	1997	1998
All Stages	32,292	135.2	139.1	143.9	150.5	151.2
In situ	4,938	17.0	20.6	23.8	27.3	29.6
Localized	15,878	64.9	69.4	73.2	72.9	72.5
Regional	7,609	33.0	33.2	34.2	37.1	34.1
Distant	1,552	6.4	7.3	6.1	7.5	5.8
Unstaged	2,315	14.0	8.7	6.6	5.6	9.3

Blacks	Total Cases	Rates				
		1994	1995	1996	1997	1998
All Stages	3,410	103.2	116.6	112.3	115.3	119.6
In situ	499	11.3	17.9	16.9	17.6	19.7
Localized	1,451	39.0	47.4	53.9	52.7	50.9
Regional	1,020	34.1	33.6	28.8	33.0	35.8
Distant	243	9.4	9.2	8.8	6.9	6.9
Unstaged	197	9.4	8.5	4.0	5.1	6.4



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**Cancer Incidence and
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1994 -1998**

Comparative Incidence Summary, U.S. and New Jersey, 1993-1997: Males

Cancer Site	United States 1993-1997			New Jersey 1993-1997		
	All Races Combined	White	Black	All Races Combined	White	Black
Population:						
All Sites	463.7	455.4	564.5	512.5	501.2	593.3
Colorectal	52.7	52.4	55.6	62.9	63.2	60.2
Lung	78.8	77.3	109.9	79.1	77.3	103.3
Prostate	136.4	129.5	206.1	157.4	146.7	228.0
Melanoma	14.4	15.4	1.0	14.1	15.2	1.3
Non-Hodgkin's Lymphoma	18.3	18.6	14.2	20.1	20.4	17.1



**Cancer Incidence and
Mortality in New Jersey
1994 -1998**

Comparative Incidence Summary, U.S. and New Jersey, 1993-1997: Females

Cancer Site	United States 1993-1997			New Jersey 1993-1997		
	All Races Combined	White	Black	All Races Combined	White	Black
All Sites	341.6	345.3	325.9	371.9	378.0	337.0
Colorectal	37.5	37.1	43.3	43.4	43.2	45.8
Lung	44.4	45.4	43.2	45.6	46.5	44.1
Breast (invasive)	107.5	109.8	94.3	114.9	118.7	93.0
Melanoma	9.4	10.2	0.7	8.7	9.6	0.8
Non-Hodgkin's Lymphoma	12.3	12.6	8.4	14.1	14.4	10.4



**Cancer Incidence and
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Age-adjusted Mortality Rates for Specific Sites, Males (all races combined)

Cancer Site	Total Cases	Rates				
		1994	1995	1996	1997	1998
All Sites	45,341	223.3	218.0	209.6	199.6	195.5
Oral Cavity and Pharynx	809	4.1	4.1	3.9	3.7	3.4
Lip	5	0.1	0.0	0.0	0.0	0.0
Tongue	239	1.5	1.0	1.2	0.9	1.0
Salivary Gland	61	0.2	0.5	0.2	0.3	0.2
Floor of Mouth	27	0.2	0.1	0.2	0.0	0.1
Gum and Other Mouth	115	0.6	0.4	0.6	0.6	0.5
Nasopharynx	65	0.3	0.3	0.3	0.4	0.3
Tonsil	27	0.1	0.1	0.2	0.1	0.1
Oropharynx	57	0.3	0.2	0.2	0.4	0.3
Hypopharynx	52	0.2	0.4	0.2	0.2	0.2
Digestive System	11,881	60.3	58.5	53.6	52.2	49.3
Esophagus	1,423	7.6	7.0	6.0	6.7	6.3
Stomach	1,562	7.8	7.5	6.7	7.2	6.7
Small Intestine	72	0.5	0.4	0.3	0.2	0.3
Colon and Rectum	5,182	26.1	25.6	24.9	21.9	20.4
Colon excluding Rectum	4,417	22.2	21.9	20.9	18.9	17.2
Rectum and Rectosigmoid Junction	765	3.9	3.7	4.0	3.0	3.2
Anus	23	0.2	0.1	0.1	0.1	0.1
Liver and Intrahepatic Bile Duct	1,095	5.0	4.9	5.2	5.1	5.1
Liver	961	4.5	4.3	4.4	4.6	4.4
Intrahepatic Bile Duct	134	0.5	0.6	0.7	0.5	0.8
Gallbladder	99	0.5	0.4	0.5	0.4	0.4
Pancreas	2,175	11.3	11.3	9.0	9.4	9.3

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Respiratory System	14,441	70.3	68.7	67.6	64.2	66.0
Larynx	525	3.0	2.2	2.3	2.6	2.4
Lung and Bronchus	13,659	66.4	65.6	64.2	60.5	61.8
Bones and Joints	39	0.2	0.2	0.3	0.1	0.2
Soft Tissue (Including Heart)	294	1.3	1.4	1.3	1.5	1.4
Skin (Excluding Basal and Squamous)	1,026	5.0	4.6	4.7	4.3	4.9
Melanomas of the Skin	769	3.6	3.4	3.6	3.5	3.6
Breast	66	0.3	0.2	0.3	0.4	0.3
Male Genital System	5,494	26.2	26.7	25.5	22.3	21.8
Prostate	5,440	25.8	26.5	25.2	22.2	21.6
Testis	36	0.3	0.2	0.2	0.1	0.2
Penis	17	0.2	0.1	0.1	0.1	0.1
Urinary System	2,576	13.1	11.9	11.5	11.5	11.0
Urinary Bladder	1,485	7.5	6.8	6.4	6.7	6.1
Kidney and Renal Pelvis	1,038	5.3	4.8	4.9	4.6	4.8
Ureter	25	0.2	0.1	0.1	0.1	0.1
Eye	17	0.2	0.0	0.1	0.1	0.0
Brain and Other Nervous System	1,054	4.9	5.5	5.3	4.4	4.8
Brain	1,030	4.8	5.4	5.1	4.2	4.7
Endocrine System	120	0.7	0.6	0.6	0.5	0.6
Thyroid	64	0.4	0.3	0.3	0.2	0.3
Lymphomas	1,984	8.8	9.6	8.8	9.5	8.9
Hodgkins Disease	106	0.6	0.6	0.5	0.4	0.5
Non-Hodgkins Lymphomas	1,878	8.3	9.0	8.3	9.0	8.4
Multiple Myeloma	795	3.9	3.9	3.6	3.6	3.2
Leukemias	1,782	8.9	8.3	7.8	8.5	7.9
Lymphocytic Leukemia	501	2.4	2.4	2.5	2.0	2.3
Acute Lymphocytic Leukemia	110	0.7	0.6	0.6	0.5	0.4
Chronic Lymphocytic Leukemia	368	1.7	1.8	1.7	1.5	1.7
Myeloid Leukemia	688	3.4	2.9	2.9	3.6	3.1

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Acute Myeloid Leukemia	499	2.3	2.1	2.1	2.7	2.4
Chronic Myeloid Leukemia	167	1.0	0.7	0.6	0.8	0.7
Monocytic Leukemia	21	0.2	0.0	0.1	0.1	0.1
Other Leukemia	572	2.9	2.9	2.3	2.7	2.4
Ill-Defined & Unspecified Sites	2,963	15.1	13.9	14.8	12.8	12.0



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**Cancer Incidence and
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Age-adjusted Mortality Rates for Specific Sites, Females (all races combined)

Cancer Site	Total Cases	Rates				
		1994	1995	1996	1997	1998
All Sites	45,365	155.2	154.7	149.0	148.7	140.7
Oral Cavity and Pharynx	433	1.5	1.6	1.6	1.3	1.3
Lip	4	0.0	0.0	0.0	0.0	0.0
Tongue	123	0.3	0.5	0.5	0.4	0.4
Salivary Gland	45	0.2	0.1	0.1	0.1	0.1
Floor of Mouth	19	0.1	0.1	0.1	0.1	0.1
Gum and Other Mouth	80	0.2	0.2	0.3	0.2	0.2
Nasopharynx	47	0.2	0.3	0.2	0.1	0.1
Tonsil	9	0.1	0.0	0.0	0.0	0.0
Oropharynx	24	0.1	0.2	0.1	0.0	0.1
Hypopharynx	12	0.1	0.1	0.0	0.0	0.0
Digestive System	10,968	35.9	34.4	33.4	31.9	31.3
Esophagus	478	1.5	1.4	1.6	1.8	1.6
Stomach	1,149	3.4	3.7	3.3	3.3	3.3
Small Intestine	79	0.3	0.3	0.2	0.3	0.3
Colon and Rectum	5,385	17.7	16.7	16.1	14.7	15.0
Colon excluding Rectum	4,712	15.7	14.5	13.8	12.7	13.4
Rectum and Rectosigmoid Junction	673	1.9	2.2	2.3	2.0	1.6
Anus	39	0.2	0.2	0.1	0.1	0.1
Liver and Intrahepatic Bile Duct	687	2.2	2.0	2.4	2.1	2.0
Liver	558	1.9	1.8	2.0	1.7	1.4
Intrahepatic Bile Duct	129	0.3	0.2	0.5	0.5	0.6
Gallbladder	278	0.9	1.0	0.9	0.8	0.7
Pancreas	2,553	8.7	8.2	7.9	8.1	7.3

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Respiratory System	10,526	35.7	36.6	36.8	37.3	35.5
Larynx	150	0.8	0.6	0.4	0.4	0.5
Lung and Bronchus	10,269	34.7	35.8	36.2	36.4	34.5
Bones and Joints	29	0.2	0.1	0.1	0.1	0.1
Soft Tissue (Including Heart)	294	1.2	1.1	1.1	1.2	0.8
Skin (Excluding Basal and Squamous)	619	2.3	1.9	2.1	2.2	1.9
Melanomas of the Skin	485	1.8	1.5	1.7	1.9	1.4
Breast	7,853	29.1	28.1	26.8	27.4	24.7
Female Genital System	4,641	17.2	16.8	15.5	15.6	14.9
Cervix	733	3.1	3.0	2.8	2.8	2.1
Corpus and Uterus, NOS	1,310	4.2	4.5	4.2	4.2	4.7
Corpus	549	1.7	1.9	1.8	2.0	1.9
Uterus, NOS	761	2.6	2.5	2.5	2.3	2.8
Ovary	2,362	9.1	8.5	7.9	7.9	7.4
Vagina	59	0.2	0.3	0.2	0.1	0.2
Vulva	130	0.3	0.4	0.2	0.4	0.4
Urinary System	1,480	4.6	4.8	4.4	4.8	3.9
Urinary Bladder	740	2.3	2.0	2.1	2.4	1.8
Kidney and Renal Pelvis	705	2.2	2.6	2.2	2.4	2.1
Ureter	15	0.0	0.1	0.0	0.1	0.1
Eye	11	0.1	0.0	0.0	0.0	0.0
Brain and Other Nervous System	943	3.7	3.5	3.4	3.6	3.2
Brain	923	3.7	3.4	3.4	3.5	3.1
Endocrine System	202	0.6	0.9	0.6	0.7	0.7
Thyroid	128	0.4	0.5	0.3	0.5	0.3
Lymphomas	1,930	6.4	6.7	6.0	5.7	6.2
Hodgkins Disease	96	0.3	0.4	0.4	0.4	0.4
Non-Hodgkins Lymphomas	1,834	6.1	6.3	5.6	5.3	5.8
Multiple Myeloma	806	2.5	2.8	2.5	2.5	2.6
Leukemias	1,452	4.7	4.9	5.0	4.4	4.3

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Lymphocytic Leukemia	374	1.3	1.3	1.3	1.0	1.0
Acute Lymphocytic Leukemia	85	0.4	0.4	0.4	0.3	0.3
Chronic Lymphocytic Leukemia	266	0.8	0.8	0.8	0.6	0.7
Myeloid Leukemia	598	1.9	2.1	2.2	2.0	1.9
Acute Myeloid Leukemia	440	1.4	1.5	1.6	1.5	1.5
Chronic Myeloid Leukemia	143	0.5	0.5	0.5	0.4	0.4
Monocytic Leukemia	13	0.1	0.1	0.0	0.1	0.0
Other Leukemia	467	1.4	1.5	1.5	1.5	1.3
Ill-Defined & Unspecified Sites	3,178	9.7	10.5	9.8	10.0	9.3



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**Cancer Incidence and
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Age-adjusted Mortality Rates for Specific Sites, White Males

Cancer Site	Total Cases	Rates				
		1994	1995	1996	1997	1998
All Sites	39,294	218.2	211.5	204.7	196.2	191.7
Oral Cavity and Pharynx	639	3.7	4.0	3.5	3.1	2.9
Lip	5	0.1	0.0	0.0	0.0	0.0
Tongue	200	1.4	1.0	1.2	0.9	1.0
Salivary Gland	50	0.2	0.5	0.2	0.2	0.2
Floor of Mouth	22	0.2	0.1	0.2	0.0	0.1
Gum and Other Mouth	85	0.5	0.3	0.6	0.5	0.5
Nasopharynx	46	0.2	0.3	0.2	0.4	0.2
Tonsil	19	0.1	0.1	0.2	0.1	0.1
Oropharynx	42	0.3	0.2	0.1	0.3	0.2
Hypopharynx	44	0.3	0.4	0.2	0.2	0.2
Digestive System	10,257	59.5	56.2	51.7	50.8	48.1
Esophagus	1,156	7.1	6.0	5.4	6.2	6.2
Stomach	1,279	7.6	6.9	6.1	6.5	6.2
Small Intestine	65	0.5	0.4	0.3	0.2	0.3
Colon and Rectum	4,622	26.7	25.5	24.7	22.1	20.2
Colon excluding Rectum	3,939	22.7	21.9	20.7	19.1	17.0
Rectum and Rectosigmoid Junction	683	4.0	3.6	4.1	3.0	3.2
Anus	19	0.2	0.1	0.1	0.1	0.1
Liver and Intrahepatic Bile Duct	901	4.6	4.6	4.8	4.8	4.8
Liver	784	4.1	3.9	4.0	4.3	4.1
Intrahepatic Bile Duct	117	0.5	0.6	0.8	0.4	0.7
Gallbladder	88	0.5	0.4	0.5	0.4	0.4
Pancreas	1,899	11.1	11.1	8.8	9.4	9.1

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Respiratory System	12,467	68.0	66.4	66.1	62.9	64.7
Larynx	428	2.8	2.0	2.2	2.4	2.1
Lung and Bronchus	11,801	64.2	63.6	62.7	59.4	60.7
Bones and Joints	34	0.1	0.2	0.3	0.1	0.2
Soft Tissue (Including Heart)	243	1.2	1.3	1.3	1.5	1.4
Skin (Excluding Basal and Squamous)	971	5.4	4.8	5.2	4.7	5.4
Melanomas of the Skin	756	4.0	3.8	4.1	3.9	4.1
Breast	55	0.4	0.3	0.3	0.3	0.2
Male Genital System	4,552	24.1	24.0	23.4	20.9	19.6
Prostate	4,501	23.6	23.8	23.0	20.8	19.4
Testis	33	0.3	0.2	0.2	0.1	0.1
Penis	17	0.2	0.1	0.1	0.1	0.1
Urinary System	2,357	13.1	12.5	11.9	11.5	11.7
Urinary Bladder	1,392	7.6	7.2	6.6	6.9	6.6
Kidney and Renal Pelvis	915	5.2	5.0	5.1	4.3	5.0
Ureter	24	0.2	0.1	0.1	0.1	0.1
Eye	17	0.2	0.0	0.1	0.1	0.1
Brain and Other Nervous System	969	5.3	5.9	5.7	4.6	5.1
Brain	947	5.2	5.8	5.5	4.4	5.1
Endocrine System	104	0.7	0.6	0.6	0.5	0.6
Thyroid	58	0.5	0.3	0.3	0.2	0.3
Lymphomas	1,802	9.0	10.0	9.1	10.0	9.2
Hodgkins Disease	89	0.5	0.6	0.5	0.5	0.4
Non-Hodgkins Lymphomas	1,713	8.4	9.4	8.5	9.5	8.8
Multiple Myeloma	662	3.7	3.7	3.4	3.4	2.9
Leukemias	1,606	9.2	8.4	7.9	8.9	8.0
Lymphocytic Leukemia	448	2.6	2.4	2.5	2.0	2.3
Acute Lymphocytic Leukemia	93	0.8	0.5	0.7	0.4	0.4
Chronic Lymphocytic Leukemia	335	1.7	1.7	1.7	1.6	1.8
Myeloid Leukemia	617	3.5	3.1	2.9	3.8	3.2

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Acute Myeloid Leukemia	455	2.4	2.3	2.1	2.9	2.5
Chronic Myeloid Leukemia	142	1.0	0.7	0.6	0.8	0.7
Monocytic Leukemia	19	0.2	0.1	0.1	0.1	0.1
Other Leukemia	522	3.0	2.9	2.4	3.0	2.5
Ill-Defined & Unspecified Sites	2,559	14.7	13.2	14.4	12.8	11.7



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**Cancer Incidence and
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Age-adjusted Mortality Rates for Specific Sites, White Females

Cancer Site	Total Cases	Rates				
		1994	1995	1996	1997	1998
All Sites	39,844	154.7	153.5	148.1	149.7	140.5
Oral Cavity and Pharynx	361	1.5	1.4	1.3	1.1	1.3
Lip	4	0.0	0.0	0.0	0.0	0.0
Tongue	107	0.3	0.4	0.4	0.4	0.5
Salivary Gland	41	0.2	0.1	0.1	0.2	0.1
Floor of Mouth	10	0.1	0.1	0.0	0.0	0.0
Gum and Other Mouth	68	0.2	0.2	0.3	0.1	0.2
Nasopharynx	38	0.2	0.2	0.1	0.1	0.0
Tonsil	5	0.1	0.0	0.0	0.0	0.0
Oropharynx	17	0.1	0.1	0.1	0.0	0.1
Hypopharynx	10	0.1	0.1	0.0	0.0	0.0
Digestive System	9,504	34.6	33.2	32.4	30.5	30.4
Esophagus	359	1.1	1.2	1.3	1.5	1.4
Stomach	963	3.2	3.3	3.1	3.1	3.1
Small Intestine	65	0.2	0.3	0.2	0.3	0.3
Colon and Rectum	4,728	17.6	16.2	15.7	14.0	14.7
Colon excluding Rectum	4,129	15.6	14.1	13.4	12.1	13.1
Rectum and Rectosigmoid Junction	599	2.0	2.1	2.3	2.0	1.7
Anus	35	0.2	0.2	0.2	0.1	0.1
Liver and Intrahepatic Bile Duct	594	2.0	1.9	2.4	2.1	1.9
Liver	481	1.7	1.7	1.9	1.6	1.4
Intrahepatic Bile Duct	113	0.3	0.2	0.5	0.5	0.6
Gallbladder	243	0.9	1.0	0.9	0.7	0.7

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Pancreas	2,242	8.3	8.1	7.8	8.1	7.3
Respiratory System	9,355	36.3	36.8	37.4	38.2	35.9
Larynx	126	0.8	0.5	0.4	0.4	0.5
Lung and Bronchus	9,132	35.2	36.1	36.8	37.3	35.0
Bones and Joints	27	0.2	0.1	0.1	0.1	0.1
Soft Tissue (Including Heart)	255	1.4	1.3	0.9	1.3	0.7
Skin (Excluding Basal and Squamous)	594	2.5	2.1	2.4	2.5	2.1
Melanomas of the Skin	479	2.1	1.7	1.9	2.2	1.7
Breast	6,818	29.3	28.0	26.2	27.2	24.7
Female Genital System	4,013	16.7	16.6	15.0	15.9	15.0
Cervix	540	2.7	2.6	2.4	2.5	1.9
Corpus and Uterus, NOS	1,121	4.1	4.3	4.1	4.2	4.6
Corpus	479	1.7	1.9	1.7	1.9	2.0
Uterus, NOS	642	2.4	2.4	2.4	2.3	2.6
Ovary	2,139	9.2	8.9	8.0	8.5	7.8
Vagina	48	0.2	0.3	0.2	0.1	0.1
Vulva	125	0.4	0.4	0.3	0.4	0.4
Urinary System	1,317	4.7	4.6	4.5	4.9	3.8
Urinary Bladder	654	2.3	1.9	2.0	2.4	1.7
Kidney and Renal Pelvis	634	2.3	2.5	2.4	2.5	2.1
Ureter	13	0.0	0.1	0.0	0.0	0.1
Eye	11	0.1	0.0	0.0	0.0	0.0
Brain and Other Nervous System	867	3.9	3.8	3.8	3.9	3.5
Brain	849	3.9	3.6	3.8	3.9	3.4
Endocrine System	177	0.6	0.9	0.6	0.7	0.8
Thyroid	117	0.4	0.6	0.3	0.6	0.3
Lymphomas	1,772	6.6	7.1	6.1	6.0	6.4
Hodgkins Disease	87	0.3	0.4	0.4	0.4	0.4
Non-Hodgkins Lymphomas	1,685	6.2	6.7	5.7	5.6	6.0
Multiple Myeloma	634	2.3	2.3	2.2	2.3	2.3

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Leukemias	1,311	4.6	5.0	5.4	4.6	4.4
Lymphocytic Leukemia	346	1.4	1.2	1.4	1.1	1.1
Acute Lymphocytic Leukemia	76	0.5	0.4	0.5	0.4	0.3
Chronic Lymphocytic Leukemia	249	0.7	0.8	0.9	0.6	0.7
Myeloid Leukemia	535	1.9	2.2	2.3	2.0	1.9
Acute Myeloid Leukemia	400	1.4	1.6	1.7	1.6	1.5
Chronic Myeloid Leukemia	121	0.4	0.5	0.6	0.4	0.4
Monocytic Leukemia	13	0.1	0.1	0.0	0.1	0.0
Other Leukemia	417	1.3	1.4	1.6	1.5	1.3
Ill-Defined & Unspecified Sites	2,828	9.7	10.3	9.8	10.4	9.2



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**Cancer Incidence and
Mortality in New Jersey
1994 -1998**

Age-adjusted Mortality Rates for Specific Sites, Black Males

Cancer Site	Total Cases	Rates				
		1994	1995	1996	1997	1998
All Sites	5,482	303.7	308.8	292.0	261.9	267.1
Oral Cavity and Pharynx	150	7.2	5.2	7.1	8.1	7.8
Lip	0	0.0	0.0	0.0	0.0	0.0
Tongue	37	2.3	1.3	1.7	1.6	1.7
Salivary Gland	8	0.5	0.1	0.4	0.8	0.2
Floor of Mouth	4	0.3	0.2	0.2	0.0	0.2
Gum and Other Mouth	26	1.3	1.0	1.2	1.6	1.2
Nasopharynx	12	0.7	0.4	0.2	0.4	1.1
Tonsil	8	0.2	0.3	0.5	0.5	0.5
Oropharynx	14	0.0	0.5	0.7	1.3	1.0
Hypopharynx	6	0.3	0.1	0.2	0.5	0.3
Digestive System	1,414	70.3	84.0	77.1	69.6	64.2
Esophagus	244	14.0	15.7	11.5	11.6	8.5
Stomach	242	10.7	14.0	13.8	13.7	10.2
Small Intestine	7	0.6	0.4	0.5	0.3	0.0
Colon and Rectum	513	21.7	30.1	32.3	26.1	25.1
Colon excluding Rectum	436	18.7	25.1	28.3	21.6	21.3
Rectum and Rectosigmoid Junction	77	3.1	4.9	4.0	4.5	3.8
Anus	4	0.5	0.0	0.0	0.2	0.2
Liver and Intrahepatic Bile Duct	129	7.0	6.8	5.4	6.2	7.0
Liver	116	6.2	6.5	5.1	5.2	6.1
Intrahepatic Bile Duct	13	0.8	0.2	0.3	1.1	0.9
Gallbladder	7	0.3	0.0	0.5	0.4	0.8
Pancreas	250	13.7	16.0	12.2	10.3	12.2

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Respiratory System	1,831	105.5	99.5	91.1	88.0	91.9
Larynx	91	4.8	5.2	2.7	5.0	5.1
Lung and Bronchus	1,723	100.0	93.9	88.0	82.0	85.4
Bones and Joints	4	0.3	0.2	0.3	0.3	0.0
Soft Tissue (Including Heart)	43	1.9	2.2	2.0	1.1	1.6
Skin (Excluding Basal and Squamous)	51	3.1	3.4	1.5	1.8	2.4
Melanomas of the Skin	11	1.3	0.5	0.4	0.6	0.2
Breast	11	0.0	0.0	0.8	1.6	0.5
Male Genital System	899	57.0	59.8	56.2	41.2	49.8
Prostate	896	56.9	59.7	56.2	41.2	49.6
Testis	3	0.1	0.2	0.0	0.0	0.2
Penis	0	0.0	0.0	0.0	0.0	0.0
Urinary System	200	14.8	8.1	9.3	13.1	7.3
Urinary Bladder	87	7.4	3.5	5.2	5.1	3.2
Kidney and Renal Pelvis	111	7.1	4.3	4.1	8.0	4.1
Ureter	0	0.0	0.0	0.0	0.0	0.0
Eye	0	0.0	0.0	0.0	0.0	0.0
Brain and Other Nervous System	71	2.3	2.9	3.0	3.6	4.0
Brain	70	2.3	2.7	3.0	3.6	4.0
Endocrine System	15	0.5	1.2	1.0	0.5	0.4
Thyroid	6	0.0	0.8	0.4	0.5	0.0
Lymphomas	153	8.7	6.8	7.0	6.2	6.5
Hodgkins Disease	17	1.0	0.4	0.5	0.5	0.9
Non-Hodgkins Lymphomas	136	7.7	6.3	6.5	5.7	5.6
Multiple Myeloma	125	7.1	7.4	5.7	6.6	7.0
Leukemias	144	6.9	7.4	7.8	5.8	7.1
Lymphocytic Leukemia	46	1.6	3.0	2.5	2.2	2.3
Acute Lymphocytic Leukemia	14	0.3	0.5	0.5	1.2	0.4
Chronic Lymphocytic Leukemia	29	1.3	2.5	2.0	1.1	1.1
Myeloid Leukemia	51	1.8	1.5	3.4	2.7	1.9

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Acute Myeloid Leukemia	33	0.7	0.5	2.6	2.0	1.5
Chronic Myeloid Leukemia	17	0.8	1.0	0.8	0.8	0.4
Monocytic Leukemia	2	0.4	0.0	0.0	0.0	0.2
Other Leukemia	45	3.1	3.0	1.9	0.8	2.7
Ill-Defined & Unspecified Sites	371	18.3	20.7	22.1	14.6	16.7



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**Cancer Incidence and
Mortality in New Jersey
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Age-adjusted Mortality Rates for Specific Sites, Black Females

Cancer Site	Total Cases	Rates				
		1994	1995	1996	1997	1998
All Sites	5,022	176.4	185.0	175.2	167.3	163.2
Oral Cavity and Pharynx	66	1.4	2.8	2.6	2.6	1.8
Lip	0	0.0	0.0	0.0	0.0	0.0
Tongue	15	0.2	1.0	1.3	0.4	0.0
Salivary Gland	3	0.2	0.2	0.0	0.0	0.1
Floor of Mouth	9	0.1	0.3	0.2	0.4	0.5
Gum and Other Mouth	11	0.2	0.0	0.3	0.8	0.4
Nasopharynx	7	0.2	0.4	0.2	0.0	0.3
Tonsil	4	0.1	0.0	0.2	0.2	0.2
Oropharynx	7	0.2	0.3	0.4	0.0	0.3
Hypopharynx	2	0.0	0.2	0.0	0.2	0.0
Digestive System	1,309	47.9	48.0	43.4	46.3	41.7
Esophagus	112	4.4	3.0	4.5	4.7	3.6
Stomach	153	4.6	7.0	4.3	5.2	4.8
Small Intestine	11	0.8	0.6	0.2	0.0	0.4
Colon and Rectum	607	19.2	22.3	21.2	22.5	19.2
Colon excluding Rectum	541	18.0	19.0	18.7	19.8	17.7
Rectum and Rectosigmoid Junction	66	1.2	3.3	2.4	2.6	1.5
Anus	4	0.2	0.4	0.0	0.0	0.0
Liver and Intrahepatic Bile Duct	71	3.4	2.9	1.8	2.5	2.1
Liver	58	3.0	2.3	1.4	2.1	1.4
Intrahepatic Bile Duct	13	0.4	0.6	0.4	0.4	0.7
Gallbladder	30	0.8	0.7	1.1	1.5	1.1
Pancreas	281	12.7	9.5	9.0	9.5	9.1

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Respiratory System	1,074	35.9	41.6	38.8	35.5	38.8
Larynx	24	0.6	1.5	0.7	0.5	1.0
Lung and Bronchus	1,040	35.0	39.6	37.6	34.9	37.6
Bones and Joints	2	0.1	0.0	0.2	0.0	0.0
Soft Tissue (Including Heart)	35	0.9	0.8	2.5	0.9	1.0
Skin (Excluding Basal and Squamous)	23	1.6	0.8	0.6	0.5	0.6
Melanomas of the Skin	5	0.1	0.2	0.2	0.1	0.2
Breast	955	32.7	32.1	35.8	32.9	28.1
Female Genital System	572	22.5	21.3	20.9	17.4	16.0
Cervix	181	6.8	7.1	5.6	5.6	4.0
Corpus and Uterus, NOS	176	5.9	6.9	6.3	6.0	6.2
Corpus	67	1.9	3.0	2.9	2.7	1.6
Uterus, NOS	109	4.1	3.9	3.4	3.3	4.7
Ovary	192	9.0	6.1	8.3	5.6	4.9
Vagina	11	0.3	0.4	0.6	0.1	0.6
Vulva	5	0.1	0.5	0.0	0.0	0.2
Urinary System	152	4.0	6.4	4.7	5.2	5.4
Urinary Bladder	81	2.2	2.7	2.7	2.9	3.0
Kidney and Renal Pelvis	66	1.8	3.3	1.7	2.1	2.3
Ureter	2	0.0	0.0	0.1	0.2	0.0
Eye	0	0.0	0.0	0.0	0.0	0.0
Brain and Other Nervous System	67	3.1	2.5	1.9	2.2	1.8
Brain	66	3.1	2.5	1.9	2.2	1.7
Endocrine System	21	0.4	1.5	0.5	0.6	0.6
Thyroid	7	0.2	0.4	0.4	0.3	0.0
Lymphomas	140	5.2	3.2	5.4	4.3	4.8
Hodgkins Disease	9	0.3	0.4	0.1	0.4	0.2
Non-Hodgkins Lymphomas	131	4.9	2.8	5.3	4.0	4.6
Multiple Myeloma	162	5.6	6.2	5.5	5.2	5.8
Leukemias	122	5.1	4.3	2.7	3.9	4.5

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Lymphocytic Leukemia	26	1.3	1.6	0.2	0.7	0.7
Acute Lymphocytic Leukemia	7	0.2	0.7	0.2	0.2	0.0
Chronic Lymphocytic Leukemia	17	1.1	0.9	0.0	0.5	0.5
Myeloid Leukemia	54	2.1	1.2	1.4	1.7	2.5
Acute Myeloid Leukemia	34	1.1	0.8	1.4	0.7	1.7
Chronic Myeloid Leukemia	19	0.8	0.4	0.0	1.0	0.9
Monocytic Leukemia	0	0.0	0.0	0.0	0.0	0.0
Other Leukemia	42	1.8	1.5	1.2	1.6	1.3
Ill-Defined & Unspecified Sites	322	10.1	13.5	9.9	9.7	12.1



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**Cancer Incidence and
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1994 -1998**

Comparative Mortality Summary, U.S. and New Jersey, 1993-1997: Males

Cancer Site	United States 1993-1997			New Jersey 1993-1997		
	All Races Combined	White	Black	All Races Combined	White	Black
All Sites	209.7	203.8	299.6	215.5	210.6	295.5
Lung	69.4	67.9	96.7	64.5	62.9	90.5
Prostate	24.7	22.6	53.6	25.3	23.2	54.4
Colorectal	21.0	20.6	27.5	24.8	24.9	28.2



**Cancer Incidence and
Mortality in New Jersey
1994 -1998**

Comparative Mortality Summary, U.S. and New Jersey, 1993-1997: Females

Cancer Site	United States 1993-1997			New Jersey 1993-1997		
	All Races Combined	White	Black	All Races Combined	White	Black
All Sites	139.8	138.5	166.9	152.3	151.7	177.8
Lung	34.0	34.7	33.4	34.9	35.4	36.4
Breast	24.8	22.4	31.3	27.8	27.8	33.0
Colorectal	14.4	13.9	19.7	16.5	16.2	20.8



**Cancer Incidence and
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1994 -1998**

Table 18. Population Denominators

	1993						1994					
	All races	All races	White	White	Black	Black	All races	All races	White	White	Black	Black
	Males	Females	Males	Females	Males	Females	Males	Females	Males	Females	Males	Females
00-04	298,540	285,102	230,472	219,469	53,060	51,573	299,554	286,028	230,554	219,504	53,486	51,834
05-09	269,020	256,686	207,944	198,409	46,977	45,055	278,489	265,682	214,471	204,743	48,988	47,103
10-14	260,077	246,793	198,771	187,806	46,884	44,912	263,393	249,952	201,125	190,095	47,110	45,038
15-19	251,154	236,918	193,015	180,727	45,212	43,523	253,369	238,597	193,734	181,062	46,086	44,319
20-24	259,879	252,957	200,477	192,923	46,400	46,262	253,057	245,531	193,954	186,025	45,468	45,092
25-29	295,744	295,177	234,216	229,087	46,919	50,103	281,980	281,228	222,153	216,477	45,178	48,251
30-34	346,951	353,504	280,250	280,022	48,812	54,073	344,683	350,977	277,139	276,485	49,079	54,639
35-39	333,592	342,392	273,038	274,655	43,131	48,727	341,512	349,824	278,318	279,377	44,677	50,129
40-44	289,409	306,392	238,380	246,156	35,534	43,362	294,825	311,619	242,271	249,827	36,217	43,995
45-49	251,119	266,143	210,662	218,866	27,507	34,329	258,857	274,208	216,134	224,005	28,961	36,005
50-54	202,282	214,892	169,343	176,815	23,592	29,432	208,603	221,656	174,687	182,096	23,843	30,086
55-59	164,090	178,997	138,703	149,105	19,054	23,895	166,312	181,329	139,596	149,944	19,722	24,770
60-64	158,757	178,400	138,411	152,911	16,372	20,861	153,694	172,160	132,941	146,327	16,320	20,840
65-69	147,064	183,139	131,018	161,671	13,270	17,534	146,233	180,545	129,430	158,369	13,768	17,941
70-74	121,343	164,760	110,260	148,359	8,968	13,470	122,928	166,036	111,468	149,178	9,112	13,637
75-79	84,094	130,560	77,257	119,266	5,512	9,472	85,604	131,585	78,460	120,033	5,712	9,565
80-84	47,309	89,010	43,773	82,036	2,844	6,058	49,218	91,143	45,462	83,765	2,946	6,303
85+	28,809	77,461	26,424	71,741	2,011	5,094	30,252	80,403	27,736	74,399	2,076	5,277
Total	3,809,233	4,059,283	3,102,414	3,290,024	532,059	587,735	3,832,563	4,078,503	3,109,633	3,291,711	536,673	594,824

	1995						1996					
	All races	All races	White	White	Black	Black	All races	All races	White	White	Black	Black
	Males	Females	Males	Females	Males	Females	Males	Females	Males	Females	Males	Females
00-04	296,318	282,976	227,013	216,229	53,334	51,521	290,410	277,404	221,176	210,811	52,058	49,921
05-09	287,261	273,973	221,002	210,659	50,378	48,660	294,072	280,524	226,125	215,515	51,882	50,165
10-14	266,234	252,658	202,991	192,191	47,268	44,992	269,792	256,001	205,677	194,684	47,411	45,374
15-19	256,542	241,179	195,233	182,049	47,183	45,350	260,006	244,383	196,834	183,484	48,211	46,190
20-24	247,363	238,617	189,155	180,287	44,032	43,509	241,117	231,836	183,598	174,145	43,067	42,445
25-29	271,850	270,649	212,653	206,515	44,197	46,843	264,593	263,554	204,923	199,276	43,784	46,090
30-34	340,264	346,310	271,890	271,291	49,128	54,386	333,167	339,174	264,103	263,302	48,790	54,106
35-39	348,426	356,065	282,663	283,121	46,361	51,596	354,882	362,179	286,965	286,790	47,504	53,075
40-44	302,870	319,360	248,657	255,887	37,038	44,774	312,083	328,610	255,644	262,912	38,403	45,835

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45-49	267,347	283,058	222,375	229,945	30,381	37,761	279,087	293,121	231,356	238,356	32,234	40,078
50-54	214,685	228,112	179,561	186,927	24,205	30,766	218,860	232,623	182,785	190,377	24,200	30,864
55-59	167,848	182,880	140,029	149,974	20,118	25,571	171,646	186,855	142,579	152,349	20,711	26,394
60-64	150,450	168,359	129,088	141,791	16,403	21,116	147,753	164,858	125,610	137,503	16,525	21,378
65-69	145,522	177,620	128,076	154,681	14,146	18,420	144,387	175,894	126,395	152,015	14,445	19,074
70-74	123,477	166,103	111,677	148,898	9,271	13,659	121,785	163,972	109,678	146,376	9,379	13,780
75-79	88,118	133,583	80,543	121,534	6,017	9,842	91,449	136,700	83,490	123,866	6,269	10,384
80-84	51,378	93,394	47,343	85,780	3,096	6,376	53,077	94,759	48,930	86,993	3,131	6,399
85+	31,794	83,107	29,096	76,756	2,163	5,508	33,160	86,077	30,293	79,443	2,277	5,707
Total	3,857,747	4,098,003	3,119,045	3,294,515	544,719	600,650	3,881,326	4,120,524	3,095,868	3,298,197	550,281	607,259

	1997						1998					
	All races	All races	White	White	Black	Black	All races	All races	White	White	Black	Black
	Males	Females	Males	Females	Males	Females	Males	Females	Males	Females	Males	Females
00-04	284,867	272,000	216,306	206,136	50,523	48,043	280,907	268,750	209,969	200,089	50,547	48,725
05-09	299,111	285,421	228,992	218,098	53,141	51,509	300,299	286,706	229,243	218,712	53,480	51,813
10-14	273,766	259,762	208,007	197,309	48,205	45,951	279,059	265,097	211,171	200,679	49,385	47,289
15-19	262,800	247,049	198,387	184,880	48,555	46,572	265,736	251,022	200,129	187,386	48,678	46,829
20-24	239,670	229,761	182,045	171,959	42,708	42,446	236,495	229,971	179,536	171,909	42,436	42,489
25-29	257,767	256,477	197,222	191,828	43,625	45,446	249,960	252,921	190,865	188,512	43,131	45,128
30-34	324,746	330,775	255,403	253,980	48,321	53,572	312,778	321,953	244,776	244,579	47,202	53,132
35-39	358,311	365,304	288,294	288,130	48,766	54,025	358,663	367,572	286,469	287,844	49,925	55,202
40-44	322,606	338,822	263,033	270,347	40,337	47,123	332,372	349,668	269,680	277,799	42,507	48,896
45-49	275,844	291,877	226,778	233,381	32,834	41,036	278,520	295,524	228,241	235,327	33,428	41,776
50-54	236,728	251,004	198,558	206,191	25,268	31,964	241,577	256,867	201,692	209,726	26,166	33,233
55-59	177,966	193,606	147,665	157,062	21,108	27,585	188,485	205,153	157,010	166,952	21,648	28,407
60-64	147,282	163,839	124,308	135,501	16,667	21,661	148,549	164,910	124,451	135,466	17,096	22,424
65-69	141,685	172,488	123,164	147,827	14,659	19,476	137,035	166,641	118,076	141,430	14,637	19,744
70-74	120,425	161,805	107,936	143,687	9,580	14,059	121,857	161,065	108,464	142,141	10,208	14,489
75-79	94,772	140,024	86,391	126,547	6,533	10,761	95,797	140,082	86,809	126,100	6,823	10,899
80-84	54,658	96,058	50,347	87,985	3,242	6,590	56,523	98,327	51,703	90,026	3,529	6,583
85+	34,774	88,999	31,717	82,172	2,392	5,759	37,083	91,618	33,664	84,154	2,475	6,126
Total	3,907,778	4,145,071	3,134,553	3,303,020	556,464	613,578	3,921,695	4,173,847	3,131,948	3,308,831	563,301	623,184

Source: U.S. Census Bureau



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