

**CANCER IN NORTHERN CALIFORNIA
1988-2005**

**REGION 6
CALIFORNIA CANCER REGISTRY**

PREPARED BY
Anthony Robbins, MD, PhD
Katrina R Bauer, M.S., C.T.R.
Mignon Dryden, C.T.R., Director

Cancer Registry of Northern California
California Health Collaborative
25 Jan Court, Suite 130
Chico, California 95928

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This publication was prepared by:

Anthony Robbins
Public Health Institute
1700 Tribute Road Ste 100
Sacramento, CA 95815
(916) 779-2668
arobbins@ccr.ca.gov

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EXECUTIVE SUMMARY

- ◆ Among residents of the sixteen counties of the greater Northern California region 7,870 new cases of invasive cancer (all sites combined) were diagnosed during 2005 and reported to the Cancer Registry of Northern California, Region 6 of the California Cancer Registry. During 2005, 3,379 residents of Region 6 died of cancer.
- ◆ For the most recent five-year period, 2001 to 2005, the average annual age-adjusted incidence for all invasive cancers combined was 474.8 per 100,000 Region 6 residents. The average annual age-adjusted mortality rate was 196.3 cancer deaths per 100,000 persons.
- ◆ Incidence rates for the ten most frequently diagnosed cancers among men and women were, for the most part, similar to those found throughout the state. Among men, prostate gland cancer was the most frequently diagnosed site, while breast cancer was the site with the highest incidence among women. Lung cancer was the second leading contributor to overall cancer incidence for both sexes. Lung cancer was the most common cause of cancer related death among both men and women.
- ◆ Men had an overall higher incidence of invasive cancer (all sites combined) than women, attributable in part to the high incidence of prostate cancer, in addition to higher rates at the lung, colon and rectum, urinary bladder, and other anatomic sites.
- ◆ For all sites combined, incidence rates of cancer were lowest among residents classified as Asian or Pacific Islander. For men and women combined, overall cancer incidence was highest among non-Hispanic blacks (502.3 cases per 100,000) and whites (487.5 cases per 100,000) versus the lower rates found among Hispanic (419.0 cases per 100,000) and Asian/Pacific Islander (274.8 cases per 100,000) residents for the period 2001 to 2005.
- ◆ For most primary cancer sites, Region 6 cancer incidence was similar to the incidence among all California residents between 1988 and 2005. However, lung cancer has been consistently diagnosed more frequently among residents of Region 6 since the legislatively mandated establishment of the statewide Cancer Surveillance Program in 1988. More alarmingly, lung cancer incidence and mortality have not declined significantly, in direct contrast to trends statewide.
- ◆ Approximately one third of all new invasive cancers diagnosed and one half of cancer deaths between 2001 and 2005 occurred at anatomic sites considered to be related to smoking including, at the very least, cancers of the lung and bronchus, bladder, oral cavity and pharynx, kidney, cervix, larynx, esophagus, pancreas and stomach. Region 6 has significantly higher overall cancer mortality and lung cancer-related deaths compared to California as a whole.

*Veterans Health Administration hospitals did not report cancer cases to the California Cancer Registry (CCR) in 2005. Therefore, case counts and incidence rates for adult males in 2005 are underestimated and should be interpreted with caution (see Technical Notes of this report or www.ccrca.org/publications/VAtchnotes).

INTRODUCTION

This is the eleventh annual cancer incidence report of the Cancer Registry of Northern California (CRNC), Region 6 of the statewide Cancer Surveillance Program, one of eight regional registries forming the California Cancer Registry (CCR), which collect information on all incident cases of cancer diagnosed among California residents. The Cancer Registry of Northern California serves the following sixteen counties of the greater Northern California area: Butte, Colusa, Del Norte, Glenn, Humboldt, Lake, Lassen, Mendocino, Modoc, Napa, Plumas, Shasta, Siskiyou, Sonoma, Tehama, and Trinity. Extending from the borders of Oregon and Nevada to the Pacific and the northern Sacramento Valley, this area constitutes the most geographically varied region within the statewide Cancer Surveillance Program. Although covering roughly one-quarter of the state, the regional population in 2005 of approximately 1.5 million people accounted for less than 5 percent of the total statewide population.

In 1985, California law made cancer a reportable disease and mandated that a system of population-based regional registries be developed by 1988 to collect information about the incidence of cancer among California residents (Statewide Cancer Reporting Law, Sections 103875, 103885 and 100330 of the California Health and Safety Code). The law is implemented through collaboration between the California Department of Health Services and the Public Health Institute. The state is divided into ten regions served by eight regional registries that contribute data to the California Cancer Registry (Appendix B). The Cancer Registry of Northern California, part of the California Health Collaborative Foundations, has collected information under subcontract #1006129 to the Public Health Institute (Berkeley, California) on all cancers diagnosed among residents of the region since 1988.

The purpose of this data collection is to “determine the sources of malignant neoplasms and evaluate measures designed to eliminate, alleviate, or ameliorate their effect (California Health and Safety Code).” Data are used to calculate cancer incidence and mortality, ascertain time trends, evaluate treatment alternatives and other predictors of survival, and assess the success of cancer screening programs. Additionally, cancer incidence data are used to help determine whether a perceived excess of cancer in a local population is of true public health concern or can be attributed to chance. The regional registry serves as a community resource and provides information on cancer incidence to local health workers, educators, researchers, legislators, and residents of the region. In 1995, a grant from the Centers for Disease Control and Prevention for enhancement of state and regional cancer registries awarded funds to California to ensure that each regional registry had epidemiological support. It was this grant (#U75/CCU910677-07-01), which enabled Region 6 to obtain an epidemiologist to conduct region-specific research and prepare this annual report.

Confidentiality

State law requires that the cancer registries maintain strict standards to protect confidentiality. No data presented in this report are intended for the identification of individuals with cancer. State and regional registries are authorized to release information only to cancer researchers who meet stringent requirements and who agree in writing to maintain the confidentiality of the data. Researchers are required to demonstrate that any research proposal has scientific merit and meets federally recognized standards for the protection of human subjects.

Arrangement of Data

This annual report contains cancer incidence data for the period from January 1988 through December 2005. Following this brief introduction and technical notes on materials and methods, a general overview of cancer incidence in Region 6 is provided through a series of summary tables, figures, and brief summary descriptions by anatomic site. The bulk of the report follows with cancer incidence data presented in tabular form alphabetically for the 24 most common anatomic sites. These 24 major sites account for over 93 percent of all invasive cancers diagnosed in Region 6. Site-specific mortality data are presented to a more limited extent due to the relatively smaller numbers at the county and/or race-specific level (see summary tables).

Age-adjusted incidence rates are presented in three tables for all sites combined and for each major site. The first table presents the number of cases and annual age-adjusted incidence rates for all races combined by sex for the entire region from 1988 through 2005. The second table lists the number of newly diagnosed cases and age-adjusted incidence rates first by race/ethnicity and gender for all of Region 6, followed by rates for all races combined by county and sex for the five-year period of 2001 to 2005. Incidence rates are presented for the following race/ethnicity groups: non-Hispanic white, non-Hispanic black, Hispanic and non-Hispanic Asian/Pacific Islander. Rates are presented for males, females, and both genders combined as appropriate by anatomic site. The third and final table for each anatomic site presents age-specific incidence rates for all races combined by gender for the most recent five-year period, 2001 to 2005, based on five-year age categories.

The data are provided as both an information resource and as an aid in identifying areas requiring future research within the region. Note that no statistical analysis of trends or of differences in cancer rates between specific subgroups is provided. In Region 6, the small numbers which occur in both specific racial categories and geographic (county) groupings throughout the region may create relatively unstable rates capable of leading to potentially misleading or inaccurate between-group comparisons.

The Cancer Registry of Northern California is located at 25 Jan Court, Suite 130, Chico, California 95928-4418. The registry telephone number is (530) 345-2483; the FAX number is (530) 345-3214. Email may be addressed to the director, mdryden@healthcollaborative.org (Mignon Dryden).

MATERIAL AND METHODS

Cancer Cases and Incidence

Incidence data contained in this report are based on cases of primary cancer first diagnosed among residents of the greater Northern California region between January 1, 1988 and December 31, 2005 that were reported to the Cancer Registry of Northern California as of October 2007. A case was defined as any primary cancer with the anatomic site recorded as the site of tumor origin, as distinguished from cancer spread from another site or surrounding tissue. Primary site type (topography) and histology (morphology) were coded and reported according to the International Classification of Diseases for Oncology, Third Edition, ICD-O-3 (1). Sites were then grouped according to the conventions of the Surveillance, Epidemiology and End Results (SEER) program of the National Cancer Institute (Appendix C).

Unless otherwise noted, all reported cancers are invasive, e.g. have infiltrated basement membrane and/or the surrounding tissue, based on the 5th digit, or behavior pathology component of the International Classification of Diseases for Oncology, Second Edition, ICD-O-2 code (2) for cases diagnosed between 1988 and 2000 or the ICD-O-3 code (1) for cases diagnosed in 2001 and forward. The exception being with cases of urinary bladder cancer, where invasive cases were combined with *in situ* (non-invasive) cancer cases in order to maintain consistency with the California Cancer Registry (3) and SEER (4). Separate incidence rates for *in situ* cancer are presented for three additional primary sites: breast, colon and rectum, and melanoma of the skin. However, these *in situ* cancers are not included in the tables for all sites combined.

Incidence rates represent the number of cases per 100,000 population. Annual incidence rates presented in this report were age-adjusted to allow comparison among rates by controlling for differences in the age distribution of two populations. Age-adjusted rates are a weighted average of the age-specific rates, where the weights represent the age distribution of a standard population. Rates were adjusted by the direct method (5) to the 2000 U.S. population. Although standard errors for the age-adjusted incidence rates are not presented here, these errors were used to compute 95 percent confidence intervals (6). 95 percent confidence intervals (95% C.I.) may help in evaluating whether two or more rates are significantly different. The confidence interval is a statement about the plausible range of values for any given rate calculation. The relative stability of a rate is represented by the interval width, the wider the interval the larger the range of potential values and the less certain the individual rate estimate.

Age-specific rates are calculated by dividing the total number of cases in a specific age group by the total population in that age group. Age at diagnosis was categorized into five-year categories, starting with birth to 4 years old and ending with age 85 and older. The sex- and age-specific total numbers of cases over the five-year period, 2001 to 2005, were divided by the sex- and age-specific population sum over the same five-year period. This rate was then multiplied by 100,000 to yield an average annual age-specific rate per 100,000 population.

Although case counts are presented for all racial subgroups at the regional level, incidence rates were not calculated for any racial or geographic group with fewer than 15 cases or with a 5 year cumulative population of less than 200,000 (for the period 2001 to 2005) based on the general convention at the California Cancer Registry (3). Contiguous counties with very small populations were combined to permit the calculation of incidence rates. The following

eight counties within Region 6 failed this cumulative population criteria for all races combined: Colusa, Glenn, Del Norte, Lassen, Modoc, Plumas, Siskiyou, and Trinity. Whenever possible attempts were made not to group these small counties with large counties (greater than 100,000 cumulative person years) in order to limit concealment of attributes within the smaller counties. These lower population counties were grouped based on geographic, racial and historical sociopolitical considerations:

- (1) the valley counties – Colusa, Glenn, and Tehama;
- (2) the northern coastal counties – Del Norte and Humboldt;
- (3) the northern inland mountain counties – Siskiyou and Trinity; and,
- (4) the eastern mountain counties – Lassen, Modoc, and Plumas.

No county met the minimum criteria for any racial category other than non-Hispanic whites, except Sonoma County for Hispanics. The region as a whole met the minimum 200,000 person year guideline for each racial category except for non-Hispanic blacks. Nonetheless, the incidence rates for non-Hispanic blacks were still calculated at the regional level to provide general information, but these estimates should be viewed as volatile and easily influenced by the small number of cases from a statistically limiting source population.

Cancer Deaths and Mortality

Computerized files containing information on cancer-related deaths were obtained from the California Department of Public Health, Center for Health Statistics and transmitted to Region 6. Death certificate master files were used for all years. Cause of death was coded to the International Classification of Diseases, Ninth Edition (ICD-9) for deaths occurring in the period 1988 to 1998, and starting in 1999 coded using ICD-10 (7,8). All mortality analyses presented in this report are the responsibility of the authors, and were not reviewed or endorsed by the Center for Health Statistics prior to publication.

Only deaths among California residents were included in these analyses. Deaths with unknown age were excluded from these analyses. Cancer-related deaths of unknown or non-specific race/ethnicity were included in counts and rates for all races combined, but were not assigned to a specific race/ethnic group. Cancer deaths were grouped according to conventions of the SEER program for mortality data (Appendix D).

Mortality rates represent the number of deaths per 100,000 population. Annual mortality rates presented in this report were age-adjusted to allow comparison among rates by controlling for differences in the age distribution of two populations. Rates were adjusted by the direct method (5) to the 2000 U.S. population. Although standard errors for the age-adjusted mortality rates are not presented here, these errors were used to compute 95 percent confidence intervals (6). Age at death was categorized into five-year categories, starting with birth to 4 years old and ending with age 85 and older. The sex- and age-specific total numbers of deaths over the five-year period, 2001 to 2005, were divided by the sex- and age-specific population sum over the same five-year period. This rate was then multiplied by 100,000 to yield an average annual age-specific rate per 100,000 population.

Population Estimates

Annual, mid-year population estimates by age, race/ethnicity, and gender were obtained from the California Department of Finance (DOF) Demographic Research Unit for 1988-1989 and benchmarked to the 1990-2004 estimates provided by the U.S. Census Bureau with support from the National Cancer Institute and National Center for Health Statistics (NCHS)(5-7).

MATERIALS & METHODS

Beginning with the 2000 U.S. Census, respondents were given the option of marking one or more race categories to indicate their racial identities. Following these changes, the NCHS, using data from National Health Interview Surveys, developed a population model for bridging the Census 2000 multiple-race population to single-race categories. Working with the Census Bureau, NCHS provides annual population estimates at the county level by age, sex, and race/ethnicity for 2000-2005.

Definition of Race/Ethnicity

Race/ethnicity is grouped into the mutually exclusive categories of non-Hispanic white, non-Hispanic black, Hispanic, non-Hispanic Asian/Pacific Islander, and non-Hispanic American Indian. Persons coded as American Indian and non-Hispanic multirace are excluded from race-specific rates, but are included in data for all races combined. An evaluation of the accuracy of American Indian classification by CCR demonstrated that a large proportion of American Indian cancer cases are coded as non-Hispanic white (8), based on information from the medical record. Rates are therefore not produced separately for American Indians.

Race and ethnicity were reported as separate data items during data collection for both cases and deaths. Persons with race reported as white, black, or unknown, but with a last name on the 1980 U.S. Census list of 12,497 Hispanic surnames (9), were categorized as Hispanic for analyses in this report. Maiden name, when present, was used instead of last name to identify Hispanic women by surname. Similarly, persons with race coded as white, black, or unknown, but with a Vietnamese or Hmong surname were categorized as Asian.

The use of surname to identify persons of Hispanic ethnicity was adopted by CCR because of the recognized under-reporting of Hispanic ethnicity on the medical record and death certificate. A study conducted by the Northern California Cancer Center documented that the use of Hispanic surnames, in addition to information from the medical record, results in increased sensitivity and accuracy of cancer rates (10). Overall statewide cancer incidence and mortality rates for Hispanics, based on this definition, are approximately 14 percent higher than those based on medical record and death certificate alone, and rates for non-Hispanic whites are approximately 1.4 percent lower.

CAUTIONS ON INTERPRETATION

Incidence data in this report are based on cases of primary cancer first diagnosed in Region 6 residents between January 1, 1988 and December 31, 2005 and which were reported to CCR as of October 2007. For Region 6, case reporting was estimated to be over 95 percent complete for each year of all expected invasive cancer cases reported (15).

Geographic comparisons of cancer rates between any two populations, whether by regional or county-based designation, must be made with the understanding that numerous factors may contribute to the variation in cancer rates other than a true difference in the cancer risk. These underlying differences in two populations may be inherent, such as race or gender, or acquired, such as age, nutritional, socioeconomic, or healthcare status. Beyond the general recognition of these differences, variation in the ability to consistently measure data required by the registry may vary by location or population, including the accuracy of population estimates, differences in case-reporting or case-finding, and variation in the recording of race. Both the regional and California registries spend considerable effort to standardize and control any measurement variation, not only to establish consistency in the data, but also in order to enhance the ability to study these inherent and acquired population characteristics which influence cancer incidence in California.

Race/ethnicity determination of cancer cases is primarily based on information contained in the patient's medical record. This information may be based on self-identification by the patient, on the assumptions by an admissions clerk or other medical personnel, or by an inference using race/ethnicity of parents, birthplace, maiden name or last name. While use of surname lists partially compensates for misclassification of some race/ethnic groups, it is likely that some differences in race-specific rates reflect biases of classification rather than true differences in risk (16).

In contrast to the overall statewide population, the relatively small numbers within Region 6 for all race/ethnicity categories other than non-Hispanic whites necessitated presenting county and annual rates for only all race/ethnicity groups combined (2). This large difference in the proportional racial makeup in the population of Region 6 relative to California may distort comparisons between specific age-adjusted and/or gender-specific incidence rates at some cancer sites for these "all races combined" rates. As a descriptive report, this document is meant as an information source for generating research ideas and monitoring trends in cancer incidence, treatment and prevention in Region 6.

Finally, geographic variation in rates may occur by chance alone, thereby requiring additional assessments for determining the presence and extent of a public health problem. When comparing two cancer rates, whether or not the 95 percent confidence intervals for the incidence rates overlap, (e.g. demonstrating statistical nonsignificance versus statistical significance, respectively) the magnitude and temporal variation in cancer rates may also be indicative of significant health burdens on a population.

Underreporting of Cancer by Veterans Administration (VA) Hospitals

Veteran's Health Administration (VHA) hospitals in California did not report cancer cases to the California Cancer Registry in 2005. Although there is no way to know how many unreported cancer cases were diagnosed in these facilities in 2005, historically VHA-reported cases have accounted for approximately 4 percent of all new male cancers reported to the CCR. Therefore, rates of new cancer diagnoses (incidence rates) for 2005 in this publication are based upon case counts that the CCR believes to be underestimates of the true counts. This lack of reporting affects the interpretation of cancer statistics for 2005 presented in this publication. It is not possible to determine to what extent any downward trends in 2005 reflect this underreporting of cases versus true progress in the fight against cancer.

Because of the population served by VHA facilities, historically only a very small percentage of cancers in California females have been reported from VHA facilities. Therefore, the CCR believes the lack of reporting from these facilities will have little or no impact on the accuracy of female cancer rates for 2005. Because information on cancer mortality is obtained through a different source, this reporting issue does not have any impact on cancer mortality statistics.

OVERVIEW

OVERVIEW OF CANCER INCIDENCE AND MORTALITY IN GREATER NORTHERN CALIFORNIA – REGION 6 OF THE CALIFORNIA CANCER REGISTRY

This overview summarizes the status of cancer in Region 6 of the California Cancer Registry based on the 133,780 invasive and 6,842 selected *in situ* primary cancer cases diagnosed from January 1988 through December 2005 among residents of the sixteen Northern California counties that make up the region.

Table 1: Summary of Average Annual Age-Adjusted Cancer Incidence Rates (AAIR) and 95% Confidence Intervals (CI) by Site and Sex for All Races Combined, Region 6, Cancer Registry of Northern California, 2001-2005

	Total				Male				Female			
	Cases	AAIR	95% CI		Cases	AAIR	95% CI		Cases	AAIR	95% CI	
Oral Cavity & Pharynx	994	11.8	11.1	12.5	676	17.1	15.9	18.5	318	7.0	6.3	7.9
Esophagus	474	5.6	5.1	6.1	359	9.3	8.4	10.4	115	2.4	2.0	2.9
Stomach	518	6.1	5.6	6.6	339	9.0	8.0	10.0	179	3.8	3.2	4.4
Colon & Rectum	4,195	48.9	47.4	50.4	2,121	55.7	53.3	58.1	2,074	43.3	41.4	45.2
Colon excl Rectum	2,984	34.6	33.3	35.9	1,430	37.7	35.8	39.8	1,554	32.1	30.5	33.8
Rectum & Rectosigmoid	1,211	14.3	13.5	15.1	691	17.9	16.6	19.3	520	11.2	10.2	12.2
Liver	511	6.0	5.5	6.6	379	9.5	8.6	10.5	132	2.9	2.5	3.5
Pancreas	1,009	11.7	11.0	12.5	533	14.0	12.8	15.2	476	9.9	9.0	10.8
Larynx	296	3.5	3.1	3.9	234	6.0	5.3	6.8	62	1.4	1.1	1.8
Lung & Bronchus	6,102	71.8	70.0	73.6	3,175	83.6	80.7	86.6	2,927	63.1	60.8	65.4
Melanoma of the Skin	1,800	21.6	20.6	22.7	1,040	26.8	25.2	28.5	760	17.8	16.5	19.1
Breast	5,828	69.1	67.3	70.9	33	0.8	0.6	1.2	5,795	129.6	126.2	133.0
Female Genital System	2,216	26.4	25.3	27.5	--	--	--	--	2,216	49.8	47.7	51.9
Cervix	286	3.7	3.3	4.2	--	--	--	--	286	7.4	6.5	8.3
Corpus & Uterus, NOS	1,108	13.0	12.2	13.8	--	--	--	--	1,108	24.3	22.9	25.8
Ovary	676	8.0	7.4	8.6	--	--	--	--	676	15.0	13.9	16.2
Male Genital System	5,863	69.4	67.6	71.2	5,863	151.8	147.9	155.7	--	--	--	--
Prostate	5,601	65.9	64.1	67.6	5,601	144.7	140.9	148.6	--	--	--	--
Testis	217	3.0	2.6	3.4	217	5.9	5.1	6.7	--	--	--	--
Urinary Bladder	2,170	25.3	24.2	26.4	1,682	44.4	42.3	46.6	488	10.1	9.2	11.1
Kidney & Renal Pelvis	1,045	12.4	11.7	13.2	685	17.7	16.4	19.1	360	7.9	7.1	8.8
Brain & Other Nervous	601	7.4	6.8	8.0	356	9.3	8.3	10.3	245	5.8	5.1	6.6
Thyroid	576	7.3	6.8	8.0	150	3.9	3.3	4.6	426	10.8	9.8	11.9
Hodgkin Lymphoma	227	3.0	2.6	3.4	133	3.5	3.0	4.2	94	2.4	2.0	3.0
Non-Hodgkin Lymphoma	1,686	20.0	19.1	21.0	930	24.2	22.7	25.8	756	16.3	15.2	17.6
Myeloma	445	5.2	4.7	5.7	249	6.5	5.7	7.3	196	4.2	3.6	4.8
Leukemias	1,017	12.2	11.5	13.0	604	16.1	14.8	17.4	413	9.0	8.2	10.0
Acute Lymphocytic	112	1.6	1.3	1.9	74	2.0	1.6	2.6	38	1.1	0.7	1.5
Chronic Lymphocytic	322	3.7	3.3	4.2	198	5.2	4.5	6.0	124	2.6	2.2	3.1
Acute Myeloid	293	3.5	3.1	3.9	161	4.2	3.6	4.9	132	2.8	2.4	3.4
Chronic Myeloid	121	1.4	1.2	1.7	68	1.8	1.4	2.3	53	1.1	0.8	1.5

AAIR=Average annual age-adjusted incidence rate per 100,000 (2000 U.S. Standard) for the five-year period. 95% CI=95% Confidence Interval. Excludes *in situ* cases other than urinary bladder. Veterans Health Administration hospitals did not report cancer cases to the California Cancer Registry (CCR) in 2005. Therefore, case counts and incidence rates for adult males in 2005 are underestimated and should be interpreted with caution (see Technical Notes of this report or www.ccrca.org/publications/VAtechnotes).

Table 1 lists the number of new invasive cancer cases and average annual age-adjusted incidence rates per 100,000 residents of Region 6 for the most recent five-year period 2001 to 2005 for each of the most commonly diagnosed cancers by gender for all races combined. Table 2 summarizes mortality data for the same five-year period.

OVERVIEW

Table 2: Summary of Average Annual Age-Adjusted Cancer Mortality Rates (AAMR) and 95% Confidence Intervals (CI) by Site and Sex for All Races Combined, Region 6, Cancer Registry of Northern California, 2001-2005

	Total				Male				Female			
	Deaths	AAMR	95% CI		Deaths	AAMR	95% CI		Deaths	AAMR	95% CI	
Oral Cavity & Pharynx	262	3.0	2.7	3.4	176	4.5	3.9	5.2	86	1.8	1.4	2.3
Esophagus	456	5.4	4.9	5.9	347	9.1	8.2	10.2	109	2.3	1.9	2.8
Stomach	290	3.3	3.0	3.8	182	4.9	4.2	5.7	108	2.2	1.8	2.7
Colon & Rectum	1,645	18.8	17.9	19.8	848	22.5	21.0	24.1	797	15.9	14.8	17.1
Colon excl Rectum	1,357	15.5	14.7	16.4	687	18.3	17.0	19.8	670	13.3	12.3	14.3
Rectum & Rectosigmoid	288	3.3	2.9	3.7	161	4.2	3.6	4.9	127	2.6	2.2	3.1
Liver	457	5.4	4.9	5.9	321	8.2	7.3	9.2	136	2.9	2.4	3.5
Pancreas	930	10.8	10.1	11.5	492	13.0	11.8	14.2	438	9.0	8.1	9.9
Larynx	100	1.2	1.0	1.5	70	1.8	1.4	2.3	30	0.7	0.5	1.0
Lung & Bronchus	4,881	57.1	55.5	58.7	2,571	68.0	65.4	70.7	2,310	49.1	47.1	51.2
Melanoma of the Skin	298	3.5	3.1	3.9	204	5.3	4.6	6.1	94	2.1	1.7	2.5
Breast	1,096	12.7	12.0	13.5	12	--	--	--	1,084	23.0	21.7	24.5
Female Genital System	863	10.0	9.3	10.7	--	--	--	--	863	18.2	17.0	19.5
Cervix	77	0.9	0.7	1.2	--	--	--	--	77	1.8	1.4	2.2
Corpus & Uterus, NOS	213	2.4	2.1	2.8	--	--	--	--	213	4.3	3.7	4.9
Ovary	540	6.3	5.8	6.9	--	--	--	--	540	11.5	10.5	12.5
Male Genital System	980	11.0	10.3	11.7	980	27.2	25.5	29.0	--	--	--	--
Prostate	964	10.8	10.1	11.5	964	26.8	25.1	28.5	--	--	--	--
Testis	14	--	--	--	14	--	--	--	--	--	--	--
Urinary Bladder	430	4.9	4.4	5.4	300	8.1	7.2	9.1	130	2.5	2.1	3.0
Kidney & Renal Pelvis	341	3.9	3.5	4.4	212	5.6	4.8	6.4	129	2.7	2.2	3.2
Brain & Other Nervous	440	5.3	4.8	5.8	257	6.6	5.9	7.5	183	4.1	3.5	4.7
Thyroid	42	0.5	0.4	0.7	17	0.4	0.2	0.7	25	0.5	0.3	0.8
Hodgkin Lymphoma	32	0.4	0.3	0.6	19	0.5	0.3	0.8	13	--	--	--
Non-Hodgkin Lymphoma	630	7.3	6.7	7.9	341	9.0	8.1	10.0	289	5.9	5.2	6.6
Myeloma	329	3.8	3.4	4.2	186	4.9	4.3	5.7	143	2.9	2.4	3.4
Leukemias	641	7.4	6.9	8.1	382	10.2	9.2	11.3	259	5.2	4.6	5.9
Acute Lymphocytic	42	0.5	0.4	0.7	25	0.7	0.4	1.0	17	0.4	0.2	0.7
Chronic Lymphocytic	117	1.3	1.1	1.6	68	1.8	1.4	2.3	49	0.9	0.7	1.2
Acute Myeloid	265	3.1	2.7	3.5	158	4.2	3.5	4.9	107	2.2	1.8	2.7
Chronic Myeloid	46	0.5	0.4	0.7	22	0.6	0.4	0.9	24	0.5	0.3	0.7

AAMR = Average annual age-adjusted mortality rate per 100,000 (2000 U.S. Standard) for the five-year period.

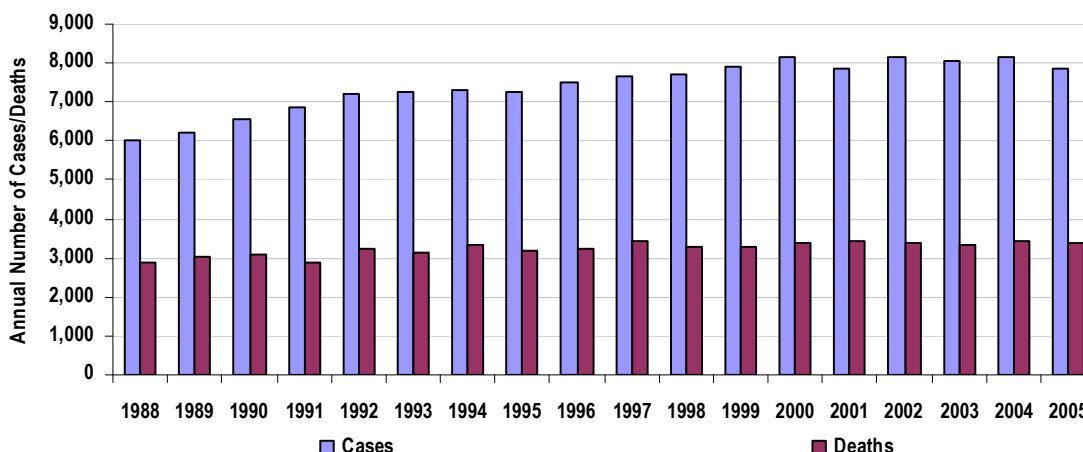
95% CI = 95% Confidence Interval

Rates based on fewer than fifteen cases are not shown.

In 2005, the most recent year covered by this report, 7,870 new invasive cancer and *in situ* bladder cancer cases were diagnosed among residents of Region 6 (Figure 1), representing an age adjusted rate of 454.7 cases per 100,000 residents. The overall cancer incidence rate has remained relatively steady in the Region since cancer reporting became mandatory statewide, from 460.1 cases in 1988 to 454.7 cases per 100,000 in 2005. However, this annual overall incidence has fluctuated over time, peaking for both sexes combined in 2000 at 501.2 cases per 100,000 population, and for women at 455.4 cases per 100,000 women. In men, the highest overall annual incidence was in 1992 at 598.9 cases per 100,000 men.

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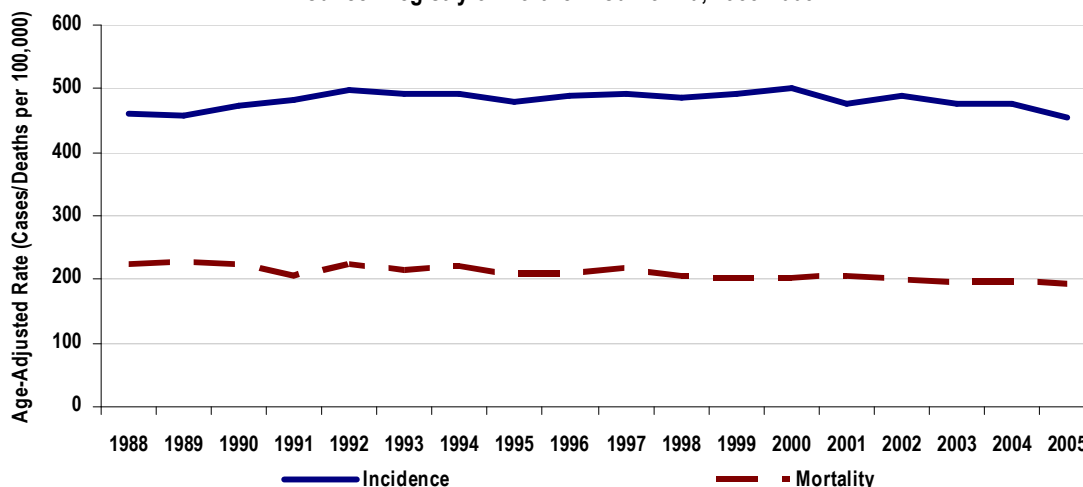
Figure 1: Number of New Cancer Cases and Cancer Related Deaths by Year in Region 6, Cancer Registry of Northern California, 1988-2005



Veterans Health Administration hospitals did not report cancer cases to the California Cancer Registry (CCR) in 2005. Therefore, case counts and incidence rates for adult males in 2005 are underestimated and should be interpreted with caution (see Technical Notes of this report or www.ccrca.org/publications/VAtechnotes).

Data obtained from the California Department of Health Services, Center for Health Statistics master files reported 3,379 cancer related deaths among Region 6 residents during 2005, representing an annual age adjusted rate of 191.4 deaths per 100,000 residents (Figure 2). The overall age-adjusted cancer mortality rate in Region 6 has declined among males and females since 1988. Age-adjusted male mortality rates peaked in 1990 at 282.3 deaths per 100,000. Female mortality rates peaked in 1989 at 192.1 cancer-related deaths per 100,000.

Figure 2: Age-Adjusted Incidence and Mortality Rates by Year in Region 6, Cancer Registry of Northern California, 1988-2005



Veterans Health Administration hospitals did not report cancer cases to the California Cancer Registry (CCR) in 2005. Therefore, case counts and incidence rates for adult males in 2005 are underestimated and should be interpreted with caution (see Technical Notes of this report or www.ccrca.org/publications/VAtechnotes).

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As expected from the population character in Region 6 (nearly 80% non-Hispanic white), the vast majority of incident cancer cases and cancer related deaths (approximately 92%) occurred in residents categorized as non-Hispanic white. By comparison, approximately 70 percent of incident cases statewide were diagnosed among non-Hispanic whites, reflecting the more diverse racial distribution observed in California as a whole (<50% non-Hispanic white). Patterns of cancer occurrence vary significantly by race/ethnicity, with non-Hispanic whites and blacks having the highest incidence and mortality across California. In order to allow for a more standard region-to-state comparison, Tables 3 through 6 summarize the cancer incidence and mortality among non-Hispanic whites by sex in Region 6 and California.

**Table 3: Summary of Average Annual Age-Adjusted Cancer Incidence (AAIR) by Site
Region 6 and California, 2001-2005: Non-Hispanic White Males.**

	California				Region 6			
	Cases	AAIR	95% CI		Cases	AAIR	95% CI	
All Sites	246,246	548.5	546.3	550.7	19,031	557.7	549.7	565.7
Oral Cavity & Pharynx	8,054	17.4	17	17.8	619	18	16.6	19.5
Esophagus	3,585	7.9	7.7	8.2	335	9.7	8.7	10.8
Stomach	3,898	8.7	8.4	9	296	8.7	7.8	9.8
Colon & Rectum	24,805	55.4	54.7	56.1	1,939	56.5	54	59.1
Colon excl Rectum	17,313	38.9	38.3	39.5	1,307	38	36	40.2
Rectum & Rectosigmoid	7,492	16.5	16.1	16.9	632	18.4	17	19.9
Liver	3,436	7.4	7.2	7.7	293	8.4	7.4	9.4
Pancreas	5,828	13	12.6	13.3	488	14.2	13	15.6
Larynx	2,532	5.6	5.3	5.8	213	6.1	5.3	7
Lung & Bronchus	32,733	73.2	72.4	74	2,946	85.8	82.7	89
Melanoma of the Skin	16,301	36.2	35.6	36.7	989	29.2	27.4	31.2
Breast	519	1.2	1.1	1.3	30	0.8	0.6	1.2
Male Genital System	73,272	161.6	160.4	162.8	5,326	154.3	150.1	158.5
Prostate	69,827	153.2	152.1	154.3	5,093	145.8	141.8	149.9
Testis	3,020	7.4	7.2	7.7	193	7.3	6.3	8.4
Urinary Bladder	18,503	41.7	41.1	42.4	1,604	46.9	44.6	49.2
Kidney & Renal Pelvis	7,992	17.6	17.2	18	611	17.8	16.4	19.4
Brain & Other Nervous	3,917	9	8.7	9.3	319	9.9	8.8	11.1
Thyroid	2,144	4.8	4.6	5	131	4	3.4	4.8
Hodgkin Lymphoma	1,433	3.5	3.3	3.6	118	4.3	3.5	5.1
Non-Hodgkin Lymphoma	11,000	24.6	24.2	25.1	821	24.6	23	26.4
Myeloma	2,767	6.1	5.9	6.4	218	6.3	5.5	7.2
Leukemias	6,940	16	15.7	16.4	530	16.1	14.8	17.6
Acute Lymphocytic	617	1.7	1.6	1.8	46	1.7	1.3	2.4
Chronic Lymphocytic	2,467	5.5	5.3	5.7	181	5.3	4.5	6.1
Acute Myeloid	2,043	4.7	4.5	4.9	150	4.5	3.8	5.3
Chronic Myeloid	797	1.8	1.7	2	61	1.9	1.4	2.4
Mesothelioma	930	2.1	2.0	2.3	52	1.5	1.1	2
Kaposi Sarcoma	588	1.4	1.2	1.5	17	0.5	0.3	0.9

AAIR=Average annual age-adjusted incidence rate per 100,000 (2000 U.S. Standard) for the five-year period.

95% CI=95% Confidence Interval.

Excludes in situ cases other than urinary bladder. Veterans Health Administration hospitals did not report cancer cases to the California Cancer Registry (CCR) in 2005. Therefore, case counts and incidence rates for adult males in 2005 are underestimated and should be interpreted with caution (see Technical Notes of this report or www.ccrca.org/publications/VAtchnotes).

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Table 4: Summary of Average Annual Age-Adjusted Cancer Incidence (AAIR) by Site
Region 6 and California, 2001-2005: Non-Hispanic White Females

	California				Region 6			
	Cases	AAIR	95% CI		Cases	AAIR	95% CI	
All Sites	233,278	435.3	433.5	437.1	17,585	435.2	428.7	441.9
Oral Cavity & Pharynx	3,680	6.8	6.6	7.1	295	7.4	6.5	8.3
Esophagus	1,213	2.1	2.0	2.3	113	2.6	2.2	3.2
Stomach	2,109	3.6	3.5	3.8	152	3.5	3.0	4.2
Colon & Rectum	23,927	41.2	40.7	41.8	1,925	44.2	42.2	46.3
Colon excl Rectum	18,209	31.0	30.5	31.5	1,454	33.0	31.3	34.8
Rectum & Rectosigmoid	5,718	10.2	10.0	10.5	471	11.3	10.3	12.4
Liver	1,512	2.7	2.6	2.9	107	2.7	2.2	3.3
Pancreas	5,750	9.8	9.6	10.1	440	10.0	9.1	11.1
Larynx	653	1.2	1.1	1.3	59	1.6	1.2	2.1
Lung & Bronchus	31,654	56.7	56.0	57.3	2,729	64.9	62.5	67.4
Melanoma of the Skin	10,999	22.6	22.2	23.0	715	19.6	18.1	21.1
Breast	75,242	143.5	142.5	144.6	5,320	134.2	130.5	137.9
Female Genital System	25,542	48.8	48.2	49.4	2,002	50.9	48.6	53.3
Cervix	3,090	6.8	6.6	7.1	235	7.3	6.4	8.3
Corpus & Uterus, NOS	12,759	23.8	23.4	24.3	1,018	25.0	23.5	26.7
Ovary	7,715	14.6	14.2	14.9	615	15.4	14.2	16.7
Urinary Bladder	5,755	9.9	9.7	10.2	450	10.2	9.3	11.2
Kidney & Renal Pelvis	4,348	8.1	7.8	8.3	322	8.1	7.2	9.0
Brain & Other Nervous	2,992	6.2	6.0	6.5	221	6.2	5.4	7.1
Thyroid	5,634	12.6	12.3	12.9	366	11.4	10.3	12.8
Hodgkin Lymphoma	1,226	2.9	2.8	3.1	83	2.8	2.2	3.5
Non-Hodgkin Lymphoma	9,085	16.6	16.2	16.9	687	16.5	15.3	17.9
Myeloma	2,181	3.8	3.7	4.0	179	4.2	3.6	4.9
Leukemias	4,977	9.3	9.1	9.6	361	8.9	7.9	9.9
Acute Lymphocytic	473	1.3	1.2	1.4	24	0.9	0.6	1.4
Chronic Lymphocytic	1,616	2.8	2.6	2.9	114	2.6	2.1	3.2
Acute Myeloid	1,579	2.9	2.8	3.1	122	3.0	2.4	3.6
Chronic Myeloid	605	1.1	1.0	1.2	43	1.0	0.7	1.4
Mesothelioma	226	0.4	0.4	0.5	13	--	--	--
Kaposi Sarcoma	42	0.1	0	0.1	<5	--	--	--

AAIR=Average annual age-adjusted incidence rate per 100,000 (2000 U.S. Standard) for the five-year period.

95% CI=95% Confidence Interval.

Excludes in situ cases other than urinary bladder. Veterans Health Administration hospitals did not report cancer cases to the California Cancer Registry (CCR) in 2005. Therefore, case counts and incidence rates for adult males in 2005 are underestimated and should be interpreted with caution (see Technical Notes of this report or www.ccrca.org/publications/VAtectnotes).

Table 5: Summary of Average Annual Age-Adjusted Cancer Mortality Rates by Site,
Region 6 and California, 2001-2005: Non-Hispanic White Males

	California				Region 6			
	Deaths	AAMR	95% CI		Deaths	AAMR	95% CI	
All Malignant Cancers	96,053	217.5	216.2	218.9	8,178	240.2	235.0	245.6
Oral Cavity & Pharynx	1,893	4.2	4.0	4.4	165	4.7	4.0	5.6
Esophagus	3,364	7.5	7.2	7.7	328	9.6	8.6	10.8
Stomach	2,092	4.7	4.5	4.9	158	4.7	4.0	5.5
Colon & Rectum	8,963	20.3	19.9	20.8	788	23.0	21.4	24.7
Colon excl Rectum	7,402	16.8	16.4	17.2	641	18.8	17.3	20.3
Rectum & Rectosigmoid	1,561	3.5	3.3	3.7	147	4.2	3.6	5.0
Liver	2,862	6.3	6.1	6.5	258	7.4	6.5	8.4
Pancreas	5,548	12.4	12.1	12.8	456	13.3	12.1	14.7
Larynx	857	1.9	1.8	2.0	65	1.9	1.4	2.4
Lung & Bronchus	26,679	59.9	59.2	60.7	2,404	70.0	67.3	72.9
Melanoma of the Skin	2,500	5.6	5.4	5.8	195	5.8	5.0	6.7
Breast	120	0.3	0.2	0.3	12	0.3	0.2	0.6
Male Genital System	10,901	25.7	25.2	26.1	909	27.3	25.6	29.2
Prostate	10,697	25.2	24.7	25.7	896	26.9	25.1	28.7
Testis	141	0.3	0.3	0.4	11	0.4	0.2	0.7
Urinary Bladder	3,668	8.5	8.2	8.7	291	8.6	7.6	9.7
Kidney & Renal Pelvis	2,486	5.5	5.3	5.8	193	5.6	4.8	6.4
Brain & Other Nervous	2,906	6.5	6.2	6.7	237	7.1	6.3	8.2
Thyroid	198	0.4	0.4	0.5	16	0.5	0.3	0.8
Hodgkin Lymphoma	261	0.6	0.5	0.7	16	0.5	0.3	0.8
Non-Hodgkin Lymphoma	4,197	9.5	9.3	9.8	309	9.1	8.1	10.2
Multiple Myeloma	1,862	4.2	4.0	4.4	170	5.0	4.2	5.8
Leukemias	4,301	9.9	9.6	10.2	343	10.2	9.2	11.4
Acute Lymphocytic	236	0.6	0.5	0.7	22	0.7	0.5	1.1
Chronic Lymphocytic	923	2.1	2.0	2.3	64	1.9	1.4	2.4
Acute Myeloid	1,664	3.8	3.6	4.0	142	4.1	3.5	4.9
Chronic Myeloid	233	0.5	0.5	0.6	17	0.5	0.3	0.8
Mesothelioma	752	1.7	1.6	1.8	52	1.5	1.1	2
Kaposi Sarcoma	11	--	--	--	<5	--	--	--

AAMR = Average annual age-adjusted mortality rate per 100,000 (2000 U.S. Standard) for the five-year period.

95% CI = 95% Confidence Interval

Rates based on fewer than fifteen cases are not shown.

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Table 6: Summary of Average Annual Age-Adjusted Cancer Mortality Rates by Site, Region 6 and California, 2001-2005: Non-Hispanic White Females

	California				Region 6			
	Deaths	AAMR	95% CI		Deaths	AAMR	95% CI	
All Malignant Cancers	93,768	162.6	161.5	163.6	7,460	171.9	168.0	176.0
Oral Cavity & Pharynx	1,057	1.8	1.7	2.0	80	1.9	1.5	2.4
Esophagus	1,096	1.9	1.8	2.0	105	2.4	2.0	3.0
Stomach	1,403	2.4	2.2	2.5	91	2.0	1.6	2.6
Colon & Rectum	9,084	14.8	14.5	15.2	750	16.3	15.1	17.6
Colon excl Rectum	7,745	12.6	12.3	12.9	629	13.5	12.5	14.7
Rectum & Rectosigmoid	1,339	2.3	2.1	2.4	121	2.8	2.3	3.4
Liver	1,626	2.8	2.6	2.9	106	2.5	2.0	3.0
Pancreas	5,471	9.2	9.0	9.5	409	9.2	8.3	10.1
Larynx	249	0.5	0.4	0.5	30	0.8	0.5	1.1
Lung & Bronchus	24,956	43.8	43.2	44.3	2,173	50.8	48.7	53.0
Melanoma of the Skin	1,233	2.3	2.1	2.4	91	2.3	1.8	2.9
Breast	14,529	26.0	25.6	26.5	1,016	24.0	22.6	25.6
Female Genital System	9,411	16.7	16.4	17.1	784	18.2	16.9	19.6
Cervix	935	1.8	1.7	2.0	66	1.7	1.3	2.3
Corpus & Uterus, NOS	2,282	3.9	3.8	4.1	191	4.2	3.6	4.9
Ovary	5,694	10.1	9.9	10.4	496	11.6	10.6	12.7
Urinary Bladder	1,470	2.3	2.2	2.4	121	2.5	2.1	3.1
Kidney & Renal Pelvis	1,460	2.5	2.4	2.6	120	2.7	2.3	3.3
Brain & Other Nervous	2,232	4.2	4.1	4.4	176	4.5	3.8	5.3
Thyroid	243	0.4	0.4	0.5	20	0.4	0.3	0.7
Hodgkin Lymphoma	211	0.4	0.4	0.5	12	--	--	--
Non-Hodgkin Lymphoma	3,449	5.7	5.6	5.9	263	5.9	5.2	6.7
Multiple Myeloma	1,534	2.6	2.4	2.7	133	2.9	2.4	3.5
Leukemias	3,279	5.6	5.4	5.8	242	5.4	4.7	6.2
Acute Lymphocytic	182	0.4	0.3	0.5	14	--	--	--
Chronic Lymphocytic	639	1.0	0.9	1.0	49	1.0	0.7	1.3
Acute Myeloid	1,277	2.3	2.1	2.4	99	2.3	1.8	2.8
Chronic Myeloid	207	0.4	0.3	0.4	22	0.5	0.3	0.8
Mesothelioma	181	0.3	0.3	0.4	12	--	--	--
Kaposi Sarcoma	<5	--	--	--	0	--	--	--

AAMR = Average annual age-adjusted mortality rate per 100,000 (2000 U.S. Standard) for the five-year period.

95% CI = 95% Confidence Interval

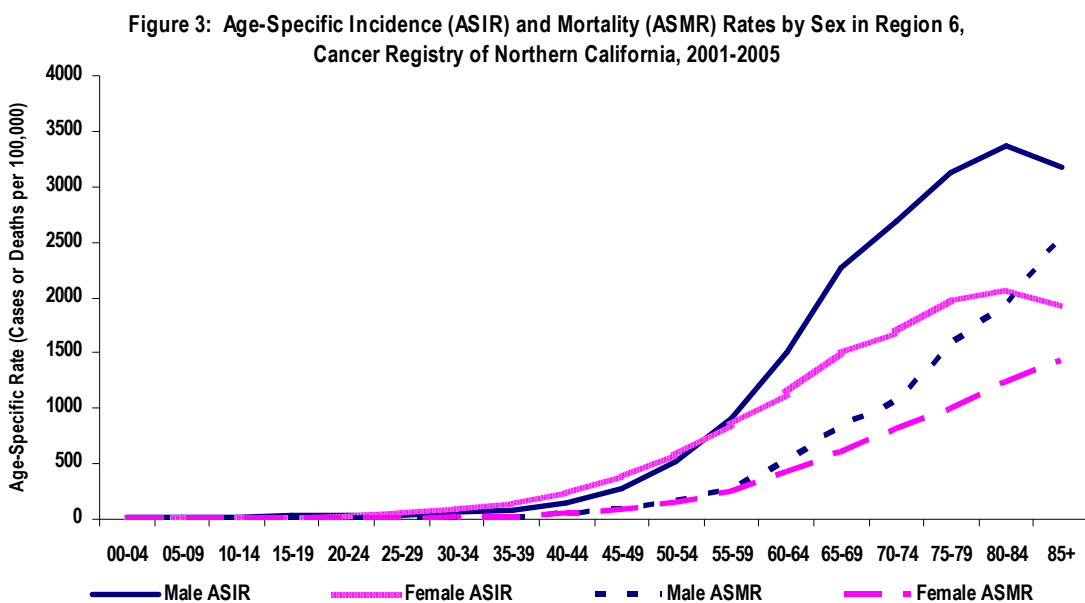
Rates based on fewer than fifteen cases are not shown.

INCIDENCE & MORTALITY SUMMARY FOR ALL CANCER SITES COMBINED

Between 2001 and 2005, 40,125 new cases of invasive cancer were diagnosed among residents of the greater Northern California region, representing an average annual age-adjusted rate of 474.8 cases per 100,000. Overall, cancer incidence was higher among males, 544.7 cases per 100,000, than females 423.5 cases per 100,000. Among males and females combined region-wide incidence was lowest for residents reported as

Asian/Pacific Islander, 274.8 per 100,000, and highest among non-Hispanic whites, 487.5 per 100,000 (Tables 14 through 16).

Age-specific incidence rates for the entire region are presented in Table 16. The average annual age-specific rates by sex and age for all invasive cancer (all sites combined) are shown in Figure 3 for the entire region from 2001 to 2005. Rates increased in direct relation to age with nearly 60 percent of all cases diagnosed in individuals aged 65 or older. Rates for females are generally lower than rates for males in all age groups with the exception occurring in the age range 25 to 54 due to the incidence of female breast cancer. These patterns of increasing cancer incidence with age and sex difference are observed in all geographic locations, not only in California, but also in the other thirteen areas scattered throughout the United States monitored by the Surveillance, Epidemiology and End Results (SEER) Program (4).



Veterans Health Administration hospitals did not report cancer cases to the California Cancer Registry (CCR) in 2005. Therefore, case counts and incidence rates for adult males in 2005 are underestimated and should be interpreted with caution (see Technical Notes of this report or www.ccrca.org/publications/VAtechnotes).

Between 2001 and 2005, 16,906 cancer-related deaths were reported in Region 6, resulting in age-adjusted mortality rate of 196.3 deaths per 100,000 residents. For all cancers combined, males had a substantially higher age-adjusted rate than females, 235.5 versus 168.0 deaths per 100,000 residents. Non-Hispanic whites (200.5 deaths per 100,000) and blacks (255.4 deaths per 100,000) had the highest age-adjusted mortality rates. Cancer mortality increases substantially with age, particularly after age 60, with 60 to 64 year olds, 466.0 deaths per 100,000, having over double the mortality rate of 50 to 54 year olds, 158.7 deaths per 100,000.

RACE/ETHNICITY DIFFERENCES

Cancer incidence and mortality vary substantially by race/ethnicity as observed throughout California and the United States, with non-Hispanic whites and blacks having significantly higher rates than other groups (3,4). The majority (nearly 80%) of the population within the sixteen counties monitored by the CRNC is non-Hispanic white, a much greater proportion than California as a whole (<50%) (10,11). In order to make more relevant comparisons, average annual age-adjusted incidence rates for major cancer sites are presented for non-Hispanic whites within Region 6 and California. As

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seen in the detailed tables, calculation of race-specific rates was conducted where technically possible for the region as a whole; however, for a large number of sites, the relatively small number of cases prevented such a determination. Even for specific cancer sites where race-specific incidence and mortality could be determined, the small numbers resulted in unstable rates with wide margins of error (as illustrated by broad 95% confidence intervals).

Table 7 summarizes the number of cancer cases, cancer-related deaths, average annual age-adjusted incidence and mortality rates per 100,000 residents of Region 6 for the most recent time period 2001 to 2005 by sex and race/ethnicity.

Table 7: Summary of Average Annual Age-Adjusted Cancer Incidence and Mortality Rates by Race/Ethnicity and Sex, Region 6, Cancer Registry of Northern California, 2001-2005, All Sites Combined

	Incidence											
	Total				Male				Female			
	Cases	AAIR	95% CI		Cases	AAIR	95% CI		Cases	AAIR	95% CI	
Non-Hispanic White	36,616	487.5	482.4	492.6	19,031	557.7	549.7	565.7	17,585	435.2	428.7	441.9
Non-Hispanic Black	381	502.3	451.7	557.5	246	632.6	551.0	725.2	135	382.1	319.7	453.8
Hispanic	2,113	419.0	399.6	439.2 **	1,050	454.8	424.3	487.4 **	1,063	398.6	373.3	425.3 **
Asian-Pacific Islander	478	274.8	249.9	301.9 **	228	323.8	281.1	372.1 **	250	243.4	213.4	276.8 **

	Mortality											
	Total				Male				Female			
	Deaths	AAMR	95% CI		Deaths	AAMR	95% CI		Deaths	AAMR	95% CI	
Non-Hispanic White	15,638	200.5	197.4	203.8	8,178	240.2	235.0	245.6	7,460	171.9	168.0	176.0
Non-Hispanic Black	184	255.4	219.0	296.5 *	123	348.3	285.7	422.6 *	61	174.1	133.0	224.8
Hispanic	672	160.6	147.9	174.2 **	365	193.1	171.8	216.6 **	307	137.3	121.7	154.4 **
Asian-Pacific Islander	198	124.3	107.1	143.7 **	97	145.7	116.8	180.5 **	101	109.3	88.6	133.6 **

AAIR=Average annual age-adjusted incidence rate per 100,000 (2000 U.S. Standard) for the five-year period.

AAMR=Average annual age-adjusted mortality rate per 100,000 (2000 U.S. Standard) for the five-year period. 95% CI=95% Confidence Interval

Excludes *in situ* cases other than urinary bladder. Veterans Health Administration hospitals did not report cancer cases to the California Cancer Registry (CCR) in 2005. Therefore, case counts and incidence rates for adult males in 2005 are underestimated and should be interpreted with caution (see Technical Notes of this report or www.ccr.ca.gov/publications/VAtechnotes).

** Rates significantly lower than comparable non-Hispanic white race (p<0.05).

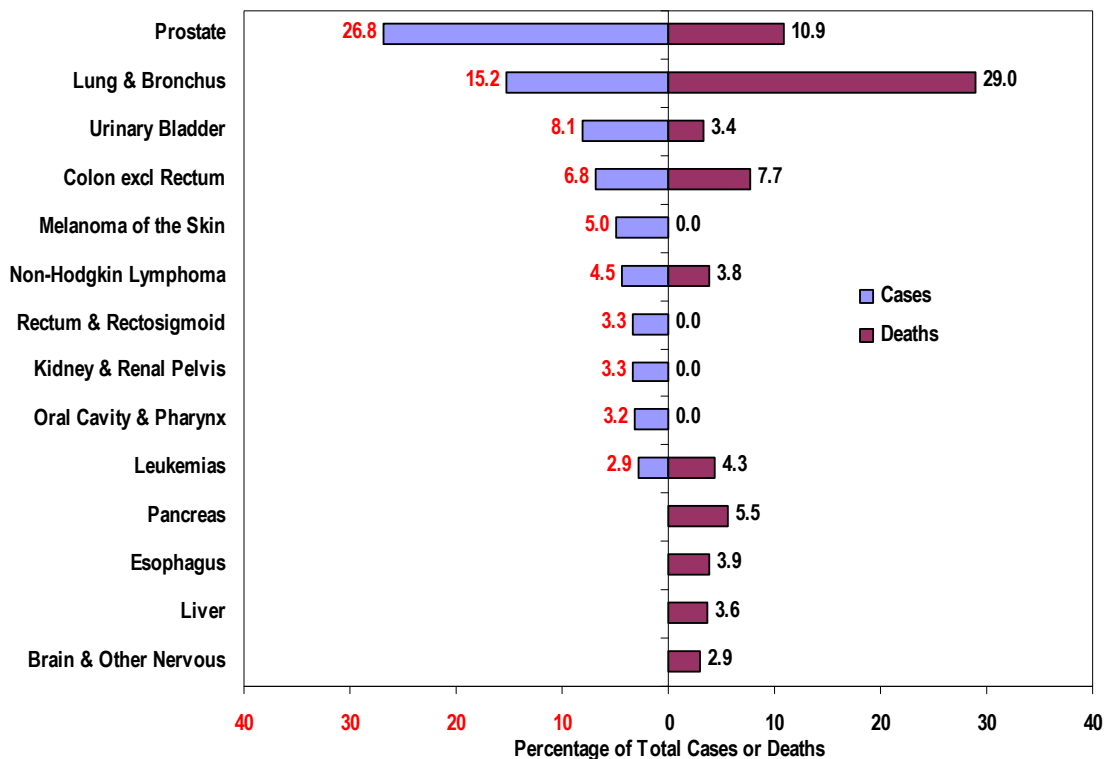
* Rates significantly higher than comparable non-Hispanic white race (p<0.05).

MOST COMMON CANCER SITES

The ten most commonly diagnosed new invasive cancer sites (based on percent of total cancers) among male and female residents of Region 6 for 2001 to 2005 are presented in Figures 4 and 5 respectively. The ten leading cancer sites identified in these figures represent approximately 80 percent of all newly diagnosed primary cancers. Among men, cancer of the prostate gland, with a total of 5,601 cases, was the most frequently diagnosed invasive cancer, accounting for 26.8 percent of all male cases. Among women, invasive cancer of the breast was the most frequently diagnosed cancer with 5,795 new cases, accounting for 30.1 percent of all female cancers. During this period an additional 1,165 cases of *in situ* breast cancer were also diagnosed in women. Invasive cancer of the lung and bronchus was the second most frequent invasive cancer diagnosed among both men and women, at 3,175 and 2,927 new cases respectively, accounting for 15.2 percent of all cancer diagnoses. Invasive cancer of the colon was the fourth most frequently diagnosed site for men and the third most frequently diagnosed site

for women, at 2,984 cases, or 7.4 percent of all cases. Combining the diagnoses for invasive cancer of the colon and rectum, 4,195 new cases, would account for 10.5 percent of all the invasive cancer cases diagnosed. In addition, another 230 cases of *in situ* colon and rectal cancer were initially diagnosed during 2001 to 2005.

Figure 4: Ten Most Common Anatomic Sites of Cancer Occurrence and Cancer Related Death by Percentage Among Males in Region 6, Cancer Registry of Northern California, 2001-2005

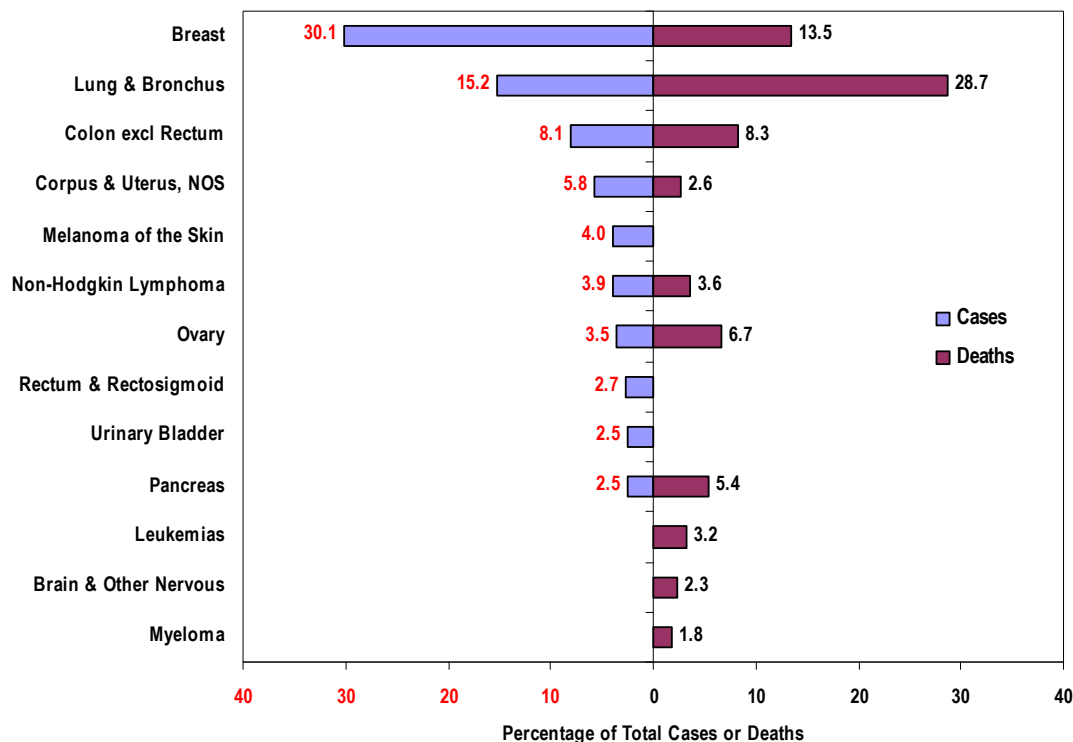


Veterans Health Administration hospitals did not report cancer cases to the California Cancer Registry (CCR) in 2005. Therefore, case counts and incidence rates for adult males in 2005 are underestimated and should be interpreted with caution (see Technical Notes of this report or www.ccrca.org/publications/VAtechnotes).

The ten leading causes of death in Figures 4 and 5 represent over 75 percent of all cancer related-deaths. Among men and women, cancer of the lung and bronchus, with a total of 4,881 deaths, was the most frequently reported cancer, accounting for 29.0 and 28.7 percent of all male and female deaths, respectively. 964 male cancer deaths were due to prostate cancer (10.9%). Among women, cancer of the breast was the second most frequent cause of cancer related mortality with 1,084 deaths, accounting for 13.5 percent of all female deaths. Invasive cancer of the colon was the third most frequent cause of cancer mortality at 1,357 deaths or 8.0 percent of all deaths for both genders combined.

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Figure 5: Ten Most Common Anatomic Sites of Cancer Occurrence and Cancer Related Death by Percentage Among Females in Region 6, Cancer Registry of Northern California, 2001-2005



Veterans Health Administration hospitals did not report cancer cases to the California Cancer Registry (CCR) in 2005. Therefore, case counts and incidence rates for adult males in 2005 are underestimated and should be interpreted with caution (see Technical Notes of this report or www.ccrca.org/publications/VAtechnotes).

Tables 8 and 9 summarize the most common invasive cancer sites based on age-adjusted rates for Region 6 and its constituent counties by gender. Although the relatively smaller number of new cases at the county level inhibits the ability to derive stable average annual rates, some intra-regional variation exists for a few anatomic sites.

Age-specific differences in cancer patterns are illustrated in Table 10, which lists the six most common invasive cancer sites (based on percent of total cancers) by age group and sex in region. In children under age 15, leukemia and tumors of the central nervous system were the most common types of cancer diagnosed. However by age 55, the most common cancers – lung, colorectal, prostate and breast – account for approximately one half of all new cancer cases diagnosed.

Tables 11 and 12 summarize the most common causes of cancer mortality based on age-adjusted rates for Region 6 and its constituent counties by gender. Although the relatively small number of deaths at the county level inhibits the ability to derive stable average annual rates for individual counties, some intra-regional variation exists for a few anatomic sites.

As with cancer incidence, in children under age 15 leukemia and tumors of the central nervous system were the most common cause of cancer related death. In males, lung cancer accounts for the largest number of cancer deaths between ages 40 and 84. Unlike in women, where breast cancer accounts for the largest proportion of adult deaths until age 55, after which lung cancer causes the largest proportion of deaths.

Table 8: Summary of Average Annual Age-Adjusted Cancer Incidence in Region 6, 2001-2005, by County, All Races Combined, Cancer Registry of Northern California: Most Common Sites by Rate - Male

	Prostate				Lung & Bronchus				Urinary Bladder			
	Cases	AAIR	95% CI		Cases	AAIR	95% CI		Cases	AAIR	95% CI	
Region 6	5,601	144.7	140.9	148.6	3,175	83.6	80.7	86.6	1,682	44.4	42.3	46.6
Butte	911	171.3	160.3	182.9 *	466	87.7	79.9	96.2	241	44.7	39.2	50.8
Lake	242	119.9	105.2	136.4 **	233	118.0	103.3	134.7 *	97	49.9	40.4	61.3
Mendocino	262	109.6	96.5	124.1 **	164	71.3	60.7	83.4	115	51.5	42.4	62.1
Napa	499	144.8	132.3	158.2	280	82.5	73.1	92.8	146	43.3	36.5	51.0
Shasta	834	176.0	164.2	188.6 *	481	104.3	95.1	114.2 *	217	46.9	40.8	53.7
Sonoma	1,449	134.1	127.2	141.4	723	69.0	64.0	74.3 **	481	45.4	41.4	49.7
Colusa/Glenn/Tehama	400	148.8	134.5	164.3	249	94.5	83.1	107.1	108	40.9	33.6	49.6
Del Norte/Humboldt	543	150.1	137.6	163.5	292	80.8	71.7	90.8	136	39.1	32.8	46.4
Lassen/Modoc/Plumas	217	124.9	108.6	143.6	123	71.1	58.9	85.5	48	28.4	20.8	38.4 **
Siskiyou/Trinity	244	122.0	107.1	139.1 **	164	83.2	70.9	97.9	93	48.8	39.2	60.6

	Colon excl Rectum				Melanoma of the Skin				Non-Hodgkin Lymphoma			
	Cases	AAIR	95% CI		Cases	AAIR	95% CI		Cases	AAIR	95% CI	
Region 6	1,430	37.7	35.8	39.8	1,040	26.8	25.2	28.5	930	24.2	22.7	25.8
Butte	181	33.8	29.0	39.2	135	25.5	21.4	30.3	126	23.5	19.6	28.2
Lake	67	33.4	25.9	43.0	34	18.0	12.4	25.7	40	22.4	15.8	31.0
Mendocino	85	38.2	30.4	47.5	71	31.1	24.1	39.5	57	24.1	18.1	31.6
Napa	147	43.0	36.3	50.6	86	25.1	20.1	31.1	84	24.5	19.5	30.4
Shasta	175	38.0	32.5	44.2	152	33.0	27.9	38.8	103	22.6	18.4	27.6
Sonoma	405	38.7	35.0	42.8	322	28.6	25.5	32.0	263	24.2	21.3	27.4
Colusa/Glenn/Tehama	101	38.0	31.0	46.3	58	21.9	16.6	28.5	73	28.3	22.1	35.7
Del Norte/Humboldt	155	43.9	37.2	51.5	88	23.0	18.4	28.5	104	27.7	22.5	33.7
Lassen/Modoc/Plumas	55	33.1	24.8	43.9	46	24.5	17.9	33.5	38	21.1	14.8	29.8
Siskiyou/Trinity	59	30.6	23.2	40.5	48	25.1	18.4	34.3	42	21.8	15.6	30.4

	Rectum & Rectosigmoid				Kidney and Renal Pelvis				Oral Cavity & Pharynx			
	Cases	AAIR	95% CI		Cases	AAIR	95% CI		Cases	AAIR	95% CI	
Region 6	691	17.9	16.6	19.3	685	17.7	16.4	19.1	676	17.1	15.9	18.5
Butte	86	16.2	13.0	20.2	85	16.4	13.1	20.4	91	17.3	13.9	21.4
Lake	31	15.4	10.4	22.4	41	21.4	15.3	29.5	20	10.5	6.4	16.8
Mendocino	32	14.4	9.8	20.6	42	17.8	12.8	24.4	37	15.6	10.9	21.9
Napa	63	17.9	13.7	23.0	59	17.0	12.9	22.0	66	19.2	14.8	24.5
Shasta	77	16.5	13.0	20.7	88	18.8	15.0	23.3	87	18.1	14.5	22.5
Sonoma	197	18.2	15.7	21.0	202	18.4	15.9	21.2	211	18.5	16.0	21.2
Colusa/Glenn/Tehama	65	24.5	18.9	31.3	47	18.0	13.2	24.1	47	17.8	13.1	23.8
Del Norte/Humboldt	86	23.8	19.0	29.5	63	16.9	12.9	21.8	69	17.9	13.9	22.8
Lassen/Modoc/Plumas	23	12.5	7.9	19.6	27	14.8	9.7	22.3	21	11.7	7.2	18.7
Siskiyou/Trinity	31	16.2	10.9	24.0	31	16.9	11.4	25.0	27	15.1	9.8	23.1

AAIR=Average annual age-adjusted incidence rate per 100,000 (2000 U.S. Standard) for the five-year period. 95% CI=95% Confidence Interval.

Excludes in situ cases other than urinary bladder. Veterans Health Administration hospitals did not report cancer cases to the California Cancer Registry (CCR) in 2005. Therefore, case counts and incidence rates for adult males in 2005 are underestimated and should be interpreted with caution (see Technical Notes of this report or www.ccrca.org/publications/VAtechnotes).

** County rate significantly lower than comparable regional rate (p<0.05).

* County rate significantly higher than comparable regional rate (p<0.05).

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Table 9: Summary of Average Annual Age-Adjusted Cancer Incidence in Region 6, 2001-2005, by County,
All Races Combined, Cancer Registry of Northern California: Most Common Sites by Rate - Female

	Breast				Lung & Bronchus				Colon excl Rectum			
	Cases	AAIR	95% CI		Cases	AAIR	95% CI		Cases	AAIR	95% CI	
Region 6	5,795	129.6	126.2	133.0	2,927	63.1	60.8	65.4	1,554	32.1	30.5	33.8
Butte	814	132.7	123.5	142.4	441	65.8	59.6	72.5	220	30.9	26.8	35.6
Lake	223	109.0	94.9	125.0 **	193	87.0	75.1	100.8 *	73	31.3	24.5	40.0
Mendocino	308	117.7	104.7	132.0	163	60.7	51.6	71.1	85	30.9	24.6	38.6
Napa	552	142.5	130.6	155.2	229	55.8	48.7	63.8	146	33.5	28.2	39.7
Shasta	674	125.0	115.6	135.0	385	68.0	61.3	75.3	188	32.8	28.3	38.1
Sonoma	1,870	137.6	131.3	144.1	735	54.4	50.4	58.5 **	495	34.3	31.3	37.6
Colusa/Glenn/Tehama	375	129.7	116.8	143.8	225	73.0	63.7	83.4	108	34.3	28.1	41.7
Del Norte/Humboldt	577	133.4	122.7	145.0	312	71.3	63.6	79.8	142	31.6	26.6	37.5
Lassen/Modoc/Plumas	184	105.0	90.3	122.1 **	102	57.7	47.0	70.8	42	23.9	17.1	33.1
Siskiyou/Trinity	218	107.2	93.2	123.5 **	142	65.2	54.9	77.8	55	25.5	19.1	34.3

	Corpus & Uterus, NOS				Melanoma of the Skin				Non-Hodgkin Lymphoma			
	Cases	AAIR	95% CI		Cases	AAIR	95% CI		Cases	AAIR	95% CI	
Region 6	1,108	24.3	22.9	25.8	760	17.8	16.5	19.1	756	16.3	15.2	17.6
Butte	169	26.6	22.7	31.2	89	14.8	11.8	18.4	113	17.1	14.0	20.8
Lake	50	25.1	18.5	33.9	30	14.9	9.9	22.1	27	12.2	8.0	18.4
Mendocino	56	20.4	15.3	26.9	59	23.4	17.7	30.7	39	14.3	10.1	19.9
Napa	101	25.0	20.3	30.7	53	14.1	10.5	18.6	67	16.0	12.3	20.6
Shasta	117	21.4	17.7	25.9	112	21.9	17.9	26.6	90	16.3	13.1	20.2
Sonoma	339	24.3	21.8	27.1	253	19.3	16.9	21.9	231	17.0	14.8	19.4
Colusa/Glenn/Tehama	64	22.3	17.1	28.6	42	15.4	11.1	21.0	55	17.8	13.3	23.4
Del Norte/Humboldt	118	27.2	22.5	32.7	55	13.8	10.4	18.2	81	18.7	14.8	23.4
Lassen/Modoc/Plumas	42	24.9	17.8	34.5	21	12.7	7.8	20.4	22	12.2	7.7	19.4
Siskiyou/Trinity	52	24.4	18.2	33.1	46	23.7	17.2	32.7	31	15.1	10.1	22.7

	Ovary			Rectum & Rectosigmoid			Urinary Bladder					
	Cases	AAIR	95% CI	Cases	AAIR	95% CI	Cases	AAIR	95% CI			
Region 6	676	15.0	13.9	16.2	520	11.2	10.2	12.2	488	10.1	9.2	11.1
Butte	95	15.2	12.2	18.8	91	13.7	11.0	17.1	86	11.9	9.4	14.9
Lake	37	17.6	12.3	24.9	21	9.5	5.9	15.3	35	15.1	10.5	21.6
Mendocino	55	20.0	15.0	26.5	20	7.5	4.5	12.0	29	10.6	7.1	15.6
Napa	52	13.2	9.8	17.6	47	11.6	8.5	15.7	46	10.6	7.7	14.4
Shasta	77	14.0	11.0	17.7	52	9.5	7.0	12.6	56	9.5	7.2	12.6
Sonoma	212	15.7	13.6	18.0	156	10.9	9.2	12.8	126	9.1	7.6	11.0
Colusa/Glenn/Tehama	48	15.9	11.7	21.4	32	10.2	6.9	14.6	35	11.2	7.8	15.8
Del Norte/Humboldt	58	13.4	10.2	17.5	56	12.9	9.7	16.9	45	10.1	7.4	13.7
Lassen/Modoc/Plumas	22	13.5	8.4	21.4	18	10.2	6.0	17.2	7	--	--	--
Siskiyou/Trinity	20	9.6	5.8	16.2	27	12.9	8.4	20.1	23	10.4	6.6	16.9

AAIR=Average annual age-adjusted incidence rate per 100,000 (2000 U.S. Standard) for the five-year period. 95% CI=95% Confidence Interval.

Excludes in situ cases other than urinary bladder. Veterans Health Administration hospitals did not report cancer cases to the California Cancer Registry (CCR) in 2005. Therefore, case counts and incidence rates for adult males in 2005 are underestimated and should be interpreted with caution (see Technical Notes of this report or www.ccrca.org/publications/VATechnotes).

Rates based on fewer than fifteen cases are not shown.

** County rate significantly lower than comparable regional rate (p<0.05).

* County rate significantly higher than comparable regional rate (p<0.05).

Table 10: Most Common Cancer Sites and Percent of Total Cancer Incidence in Region 6, by Age and Sex, All Races Combined, Cancer Registry of Northern California, 2001-2005

	Male			Female	
	Cases	%		Cases	%
< 15			< 15		
Acute Lymphocytic Leukemia	29	22.3%	Acute Lymphocytic Leukemia	21	23.6%
Brain & Other Nervous	22	16.9%	Brain & Other Nervous	13	14.6%
Non-Hodgkin Lymphoma	15	11.5%	Soft Tissue including Heart	12	13.5%
Soft Tissue including Heart	13	10.0%	Kidney & Renal Pelvis	9	10.1%
Kidney & Renal Pelvis	12	9.2%	Thyroid	7	7.9%
15-29			15-29		
Testis	60	23.4%	Thyroid	44	17.4%
Hodgkin Lymphoma	34	13.3%	Melanoma of the Skin	36	14.2%
Non-Hodgkin Lymphoma	28	10.9%	Hodgkin Lymphoma	29	11.5%
Brain & Other Nervous	22	8.6%	Breast	21	8.3%
Melanoma of the Skin	21	8.2%	Brain & Other Nervous	20	7.9%
30-44			30-44		
Testis	106	13.7%	Breast	458	35.9%
Melanoma of the Skin	83	10.8%	Thyroid	126	9.9%
Non-Hodgkin Lymphoma	74	9.6%	Melanoma of the Skin	120	9.4%
Colon & Rectum	59	7.6%	Cervix Uteri	103	8.1%
Oral Cavity & Pharynx	49	6.3%	Colon & Rectum	64	5.0%
45-54			45-54		
Prostate	395	17.8%	Breast	1,226	43.7%
Lung & Bronchus	223	10.0%	Lung & Bronchus	221	7.9%
Melanoma of the Skin	206	9.3%	Colon & Rectum	188	6.7%
Colon & Rectum	205	9.2%	Corpus & Uterus, NOS	180	6.4%
Non-Hodgkin Lymphoma	148	6.7%	Melanoma of the Skin	151	5.4%
55-64			55-64		
Prostate	1,500	33.2%	Breast	1,427	35.9%
Lung & Bronchus	604	13.4%	Lung & Bronchus	580	14.6%
Colon & Rectum	428	9.5%	Corpus & Uterus, NOS	304	7.6%
Urinary Bladder	285	6.3%	Colon & Rectum	283	7.1%
Melanoma of the Skin	230	5.1%	Melanoma of the Skin	172	4.3%
65-74			65-74		
Prostate	2,030	34.0%	Breast	1,223	28.1%
Lung & Bronchus	1,039	17.4%	Lung & Bronchus	902	20.7%
Colon & Rectum	559	9.4%	Colon & Rectum	502	11.5%
Urinary Bladder	466	7.8%	Corpus & Uterus, NOS	256	5.9%
Non-Hodgkin Lymphoma	222	3.7%	Non-Hodgkin Lymphoma	177	4.1%
75+			75+		
Prostate	1,664	23.7%	Breast	1,440	20.7%
Lung & Bronchus	1,262	18.0%	Lung & Bronchus	1,176	16.9%
Colon & Rectum	866	12.3%	Colon & Rectum	1,029	14.8%
Urinary Bladder	771	11.0%	Corpus & Uterus, NOS	306	4.4%
Melanoma of the Skin	278	4.0%	Non-Hodgkin Lymphoma	295	4.3%

Excludes in situ cases other than urinary bladder. Veterans Health Administration hospitals did not report cancer cases to the California Cancer Registry (CCR) in 2005. Therefore, case counts and incidence rates for adult males in 2005 are underestimated and should be interpreted with caution (see Technical Notes of this report or www.ccrca.org/publications/VATechnotes).

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Table 11: Summary of Average Annual Age-Adjusted Cancer Mortality (AAMR) in Region 6, 2001-2005, By County, All Races Combined, Cancer Registry of Northern California: Most Common Sites by Rate - Males

	Lung & Bronchus				Prostate				Colon excl Rectum			
	Deaths	AAMR	95% CI		Deaths	AAMR	95% CI		Deaths	AAMR	95% CI	
Region 6	2,571	68.0	65.4	70.7	964	26.8	25.1	28.5	687	18.3	17.0	19.8
Butte	382	71.1	64.2	78.8	136	24.5	20.5	29.1	90	16.7	13.4	20.7
Lake	172	87.9	75.2	102.6 *	55	29.5	22.2	38.9	39	19.7	14.0	27.5
Mendocino	133	59.3	49.5	70.5	42	20.2	14.5	27.6	42	19.5	14.0	26.6
Napa	229	67.7	59.2	77.2	98	28.8	23.4	35.2	68	20.0	15.5	25.4
Shasta	387	84.0	75.8	93.0 *	99	23.1	18.8	28.3	79	17.1	13.5	21.4
Sonoma	586	56.1	51.6	60.9 **	284	29.0	25.7	32.6	197	19.1	16.5	22.1
Colusa/Glenn/Tehama	188	71.4	61.5	82.5	61	24.7	18.9	31.9	49	18.6	13.8	24.8
Del Norte/Humboldt	252	70.1	61.6	79.5	102	31.3	25.5	38.1	69	20.3	15.7	25.8
Lassen/Modoc/Plumas	102	61.6	50.0	75.5	43	30.5	21.9	41.7	28	17.7	11.7	26.4
Siskiyou/Trinity	140	71.3	59.9	85.0	44	24.1	17.4	33.2	26	13.4	8.7	20.6

	Pancreas				Leukemia				Esophagus			
	Deaths	AAMR	95% CI		Deaths	AAMR	95% CI		Deaths	AAMR	95% CI	
Region 6	492	13.0	11.8	14.2	382	10.2	9.2	11.3	347	9.1	8.2	10.2
Butte	74	13.9	10.9	17.6	50	9.2	6.8	12.3	60	11.3	8.6	14.6
Lake	29	15.3	10.2	22.5	25	13.0	8.4	19.7	19	10.1	6.1	16.3
Mendocino	33	14.2	9.7	20.2	22	10.0	6.3	15.4	21	9.2	5.6	14.3
Napa	37	10.8	7.6	15.0	34	9.9	6.8	13.9	39	11.4	8.1	15.7
Shasta	55	11.9	9.0	15.7	40	9.1	6.5	12.5	55	11.8	8.9	15.6
Sonoma	143	13.6	11.5	16.1	110	10.7	8.7	12.9	68	6.3	4.8	8.0 **
Colusa/Glenn/Tehama	34	13.2	9.1	18.6	19	7.2	4.3	11.4	17	6.4	3.7	10.3
Del Norte/Humboldt	50	14.4	10.7	19.2	43	12.6	9.1	17.1	34	9.7	6.7	13.7
Lassen/Modoc/Plumas	18	9.9	5.9	16.5	20	13.0	7.9	20.8	15	9.0	5.0	15.7
Siskiyou/Trinity	19	9.3	5.6	15.6	19	10.1	6.0	16.8	19	10.2	6.1	17.0

	Non-Hodgkin Lymphoma				Liver				Urinary Bladder			
	Deaths	AAMR	95% CI		Deaths	AAMR	95% CI		Deaths	AAMR	95% CI	
Region 6	341	9.0	8.1	10.0	321	8.2	7.3	9.2	300	8.1	7.2	9.1
Butte	55	10.0	7.5	13.2	41	7.7	5.5	10.6	34	6.1	4.2	8.7
Lake	19	10.0	6.0	16.2	10	--	--	--	13	--	--	--
Mendocino	19	7.8	4.7	12.6	31	12.0	8.1	17.4	19	8.7	5.2	13.9
Napa	40	11.7	8.4	16.1	21	6.2	3.8	9.5	38	11.2	7.9	15.5
Shasta	29	6.3	4.2	9.3	35	7.6	5.3	10.7	47	10.6	7.7	14.2
Sonoma	83	8.0	6.4	10.0	107	9.6	7.8	11.6	81	7.7	6.1	9.6
Colusa/Glenn/Tehama	23	8.8	5.6	13.4	17	6.6	3.8	10.7	19	7.6	4.6	12.0
Del Norte/Humboldt	43	12.3	8.9	16.7	36	9.5	6.6	13.3	26	7.9	5.1	11.7
Lassen/Modoc/Plumas	10	--	--	--	15	8.7	4.8	15.2	13	--	--	--
Siskiyou/Trinity	20	10.1	6.1	16.6	8	--	--	--	10	--	--	--

AAMR = Average annual age-adjusted mortality rate per 100,000 (2000 U.S. Standard) for the five-year period.

95% CI = 95% Confidence Interval

** County rate significantly lower than comparable regional rate (p<0.05).

* County rate significantly higher than comparable regional rate (p<0.05).

Rates based on fewer than fifteen cases are not shown.

Table 12: Summary of Average Annual Age-Adjusted Cancer Mortality (AAMR) in Region 6, 2001-2005, By County, All Races Combined, Cancer Registry of Northern California: Most Common Sites by Rate - Females

	Lung & Bronchus				Breast				Colon Excl Rectum			
	Deaths	AAMR	95% CI		Deaths	AAMR	95% CI		Deaths	AAMR	95% CI	
Region 6	2,310	49.1	47.1	51.2	1,084	23.0	21.7	24.5	670	13.3	12.3	14.3
Butte	326	47.7	42.6	53.5	128	19.6	16.3	23.6	103	13.8	11.2	17.0
Lake	157	69.3	58.8	81.6	57	26.7	20.2	35.3	25	10.6	6.8	16.4
Mendocino	126	46.7	38.8	56.0	70	25.5	19.8	32.7	34	12.4	8.6	17.8
Napa	173	40.3	34.4	47.0	98	22.9	18.5	28.2	73	15.2	11.8	19.4
Shasta	291	51.3	45.6	57.8	143	25.3	21.3	30.0	79	13.1	10.4	16.5
Sonoma	626	45.6	42.0	49.4	331	23.4	20.9	26.1	214	14.0	12.1	16.1
Colusa/Glenn/Tehama	166	53.1	45.3	62.0	62	20.1	15.4	26.1	44	13.5	9.8	18.4
Del Norte/Humboldt	249	56.3	49.5	64.0	104	23.2	18.9	28.3	46	10.2	7.4	13.8
Lassen/Modoc/Plumas	81	45.0	35.7	56.6	48	27.9	20.5	37.8	29	16.3	10.9	24.2
Siskiyou/Trinity	115	52.9	43.6	64.4	43	21.2	15.2	29.8	23	10.3	6.5	16.6

	Ovary				Pancreas				Non-Hodgkin Lymphoma			
	Deaths	AAMR	95% CI		Deaths	AAMR	95% CI		Deaths	AAMR	95% CI	
Region 6	540	11.5	10.5	12.5	438	9.0	8.1	9.9	289	5.9	5.2	6.6
Butte	69	10.3	8.0	13.3	78	11.1	8.7	14.0	42	5.7	4.1	7.9
Lake	21	9.2	5.7	14.8	18	7.7	4.6	13.0	13	--	--	--
Mendocino	37	12.8	9.0	18.1	32	11.3	7.7	16.4	14	--	--	--
Napa	47	11.1	8.1	15.0	39	8.5	6.0	11.9	25	5.7	3.6	8.6
Shasta	71	12.5	9.7	16.0	40	6.9	4.9	9.5	31	5.6	3.8	8.2
Sonoma	176	12.7	10.9	14.8	129	8.9	7.4	10.6	94	6.4	5.2	8.0
Colusa/Glenn/Tehama	39	12.6	8.9	17.5	26	8.1	5.2	12.1	18	5.6	3.3	9.2
Del Norte/Humboldt	44	9.8	7.1	13.4	42	9.3	6.7	12.7	33	7.1	4.9	10.2
Lassen/Modoc/Plumas	18	10.0	5.9	16.7	20	11.0	6.7	17.9	7	--	--	--
Siskiyou/Trinity	18	8.2	4.8	14.2	14	--	--	--	12	--	--	--

	Leukemias				Corpus & Uterus, NOS				Brain & Other Nervous			
	Deaths	AAMR	95% CI		Deaths	AAMR	95% CI		Deaths	AAMR	95% CI	
Region 6	259	5.2	4.6	5.9	213	4.3	3.7	4.9	183	4.1	3.5	4.7
Butte	40	5.5	3.9	7.7	31	4.3	2.9	6.3	25	3.9	2.5	6.0
Lake	13	--	--	--	14	--	--	--	11	--	--	--
Mendocino	15	5.5	3.0	9.5	7	--	--	--	14	--	--	--
Napa	23	5.1	3.2	7.9	15	3.3	1.8	5.7	20	4.9	3.0	7.8
Shasta	35	5.9	4.1	8.5	22	3.5	2.2	5.6	19	3.6	2.2	5.8
Sonoma	69	4.6	3.5	5.9	63	4.2	3.2	5.4	53	3.9	2.9	5.2
Colusa/Glenn/Tehama	15	4.9	2.7	8.3	13	--	--	--	10	--	--	--
Del Norte/Humboldt	27	5.9	3.9	8.8	24	5.4	3.4	8.2	17	4.0	2.3	6.5
Lassen/Modoc/Plumas	10	--	--	--	9	--	--	--	6	--	--	--
Siskiyou/Trinity	12	--	--	--	15	6.7	3.7	12.3	8	--	--	--

AAMR = Average annual age-adjusted mortality rate per 100,000 (2000 U.S. Standard) for the five-year period.

95% CI = 95% Confidence Interval

** County rate significantly lower than comparable regional rate (p<0.05).

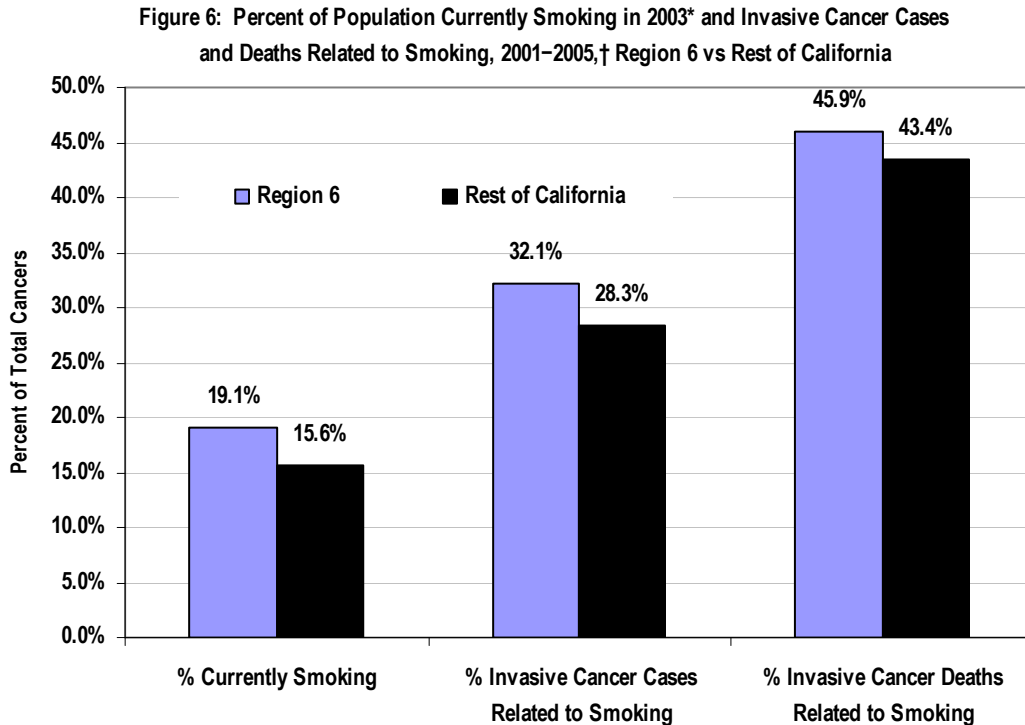
* County rate significantly higher than comparable regional rate (p<0.05).

Rates based on fewer than fifteen cases are not shown.

OVERVIEW

TOBACCO-RELATED CANCER INCIDENCE & MORTALITY

Tobacco use is a major contributing risk factor for cancers of many anatomical sites, including lung cancer. In California, cigarette smoking causes approximately 85% of lung cancer cases, and lung cancer is the leading cause of cancer-related deaths (17,18). When compared to the rest of California, the population of Region 6 has a significantly higher percentage of current smokers and a significantly greater burden of tobacco-related incidence and mortality (Figure 6).



* Source: 2003 California Health Interview Survey (CHIS), UCLA Center for Health Policy Research. CHIS performed a custom analysis to generate Region 6 results; these were combined with publicly available statewide CHIS data to derive results for rest of California.

† Source: Cancer Registry of Northern California (CRNC)/California Health Collaborative, Region 6/CCR.

Veterans Health Administration hospitals did not report cancer cases to the California Cancer Registry (CCR) in 2005. Therefore, case counts and incidence rates for adult males in 2005 are underestimated and should be interpreted with caution (see Technical Notes of this report or www.ccrca.org/publications/VAtchnotes).

The heavy cancer burden of smoking on the population of Region 6 is also highlighted by the high frequency of smoking-related sites listed in the top ten primary cancer diagnoses and deaths (Figures 4 and 5), including cancers of the lung and bronchus, urinary bladder, oral cavity and pharynx, kidney, and cervix. In combination with the other smoking-related cancer sites of the larynx, pancreas, stomach and esophagus, 12,894 incident cases, or almost one-third (32.1%) of all primary invasive cancers diagnosed in Region 6 between 2001 and 2005 were related to smoking (Table 13). Smoking-related cancer sites accounted for almost one-half (45.9%) of all cancer deaths occurring among residents of Region 6.

Table 13: Invasive Cancer Cases and Deaths Related to Tobacco Smoking by Site and Sex, All Races Combined, Cancer Registry of Northern California, 2001-2005

	Cases			Deaths		
	Total	Male	Female	Total	Male	Female
Lung & Bronchus	6,102	3,175	2,927	4,881	2,571	2,310
Urinary Bladder	2,170	1,682	488	430	300	130
Oral Cavity & Pharynx	994	676	318	262	176	86
Pancreas	1,009	533	476	930	492	438
Kidney & Renal Pelvis	1,045	685	360	341	212	129
Stomach	518	339	179	290	182	108
Esophagus	474	359	115	456	347	109
Cervix	-	--	286	77	0	77
Larynx	296	234	62	100	70	30
Tobacco-Related Sites	12,894	7,683	5,211	7,767	4,350	3,417
All Anatomic Sites	40,125	20,888	19,237	16,906	8,868	8,038
% Sites Smoking Related	32.1%	36.8%	27.1%	45.9%	49.1%	42.5%

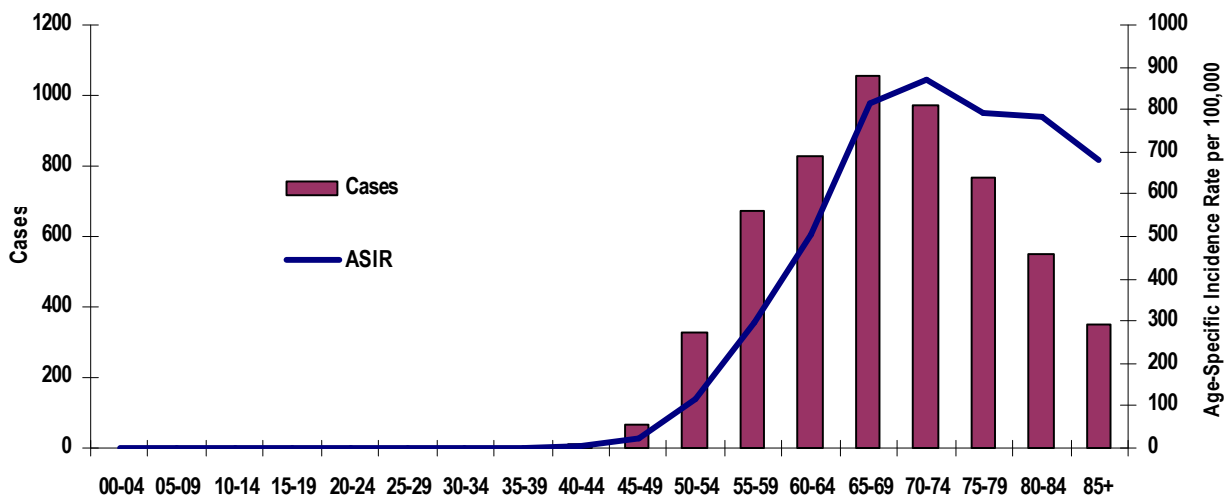
Excludes in situ cases other than urinary bladder. Veterans Health Administration hospitals did not report cancer cases to the California Cancer Registry (CCR) in 2005. Therefore, case counts and incidence rates for adult males in 2005 are underestimated and should be interpreted with caution (see Technical Notes of this report or www.ccrca.org/publications/VAtectnotes).

SUMMARY OF RESULTS: MAJOR SITES

Prostate Gland Cancer

With 5,601 newly diagnosed cases between 2001 and 2005, invasive cancer of the prostate gland was the most frequently diagnosed cancer site among male residents of the greater Northern California region. This results in an annual age-adjusted rate of 144.7 cases per 100,000 male residents, lower than the statewide cancer incidence rate of 152.5 cases per 100,000 men. Overall, cancer of the prostate accounted for 26.8 percent of the total cancer cases diagnosed among men in Region 6. Age-adjusted incidence rates varied between race/ethnicity categories, being lowest in Asian/Pacific Islander and in Hispanic males. Age-specific rates are provided in Table 91. The majority, 66 percent, of the region’s cases was diagnosed in men aged 65 or older (Figure 7).

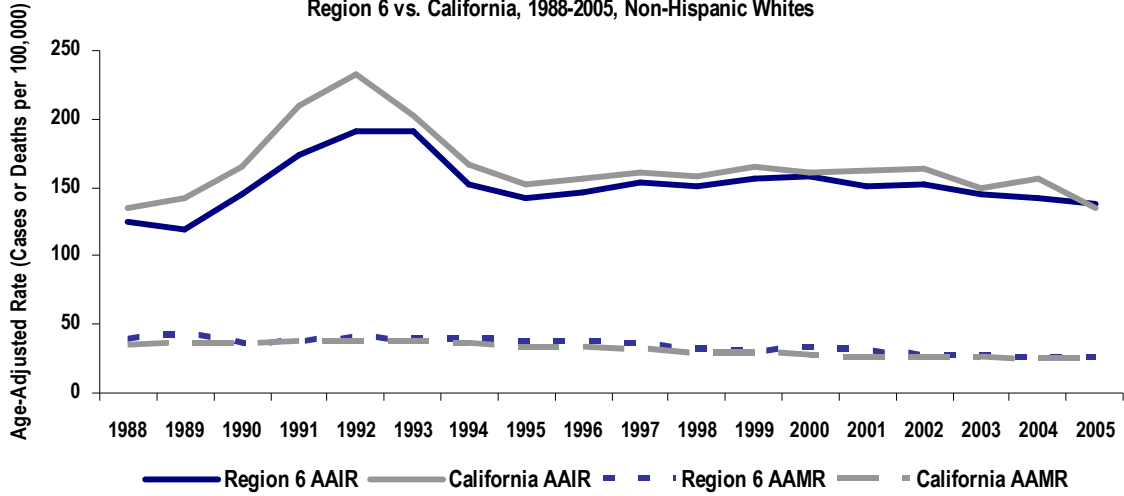
Figure 7: Age-Specific Incidence Rates (ASIR) for Prostate Cancer, Region 6, Cancer Registry of Northern California, 2001-2005



Veterans Health Administration hospitals did not report cancer cases to the California Cancer Registry (CCR) in 2005. Therefore, case counts and incidence rates for adult males in 2005 are underestimated and should be interpreted with caution (see Technical Notes of this report or www.ccrca.org/publications/VAtechnotes).

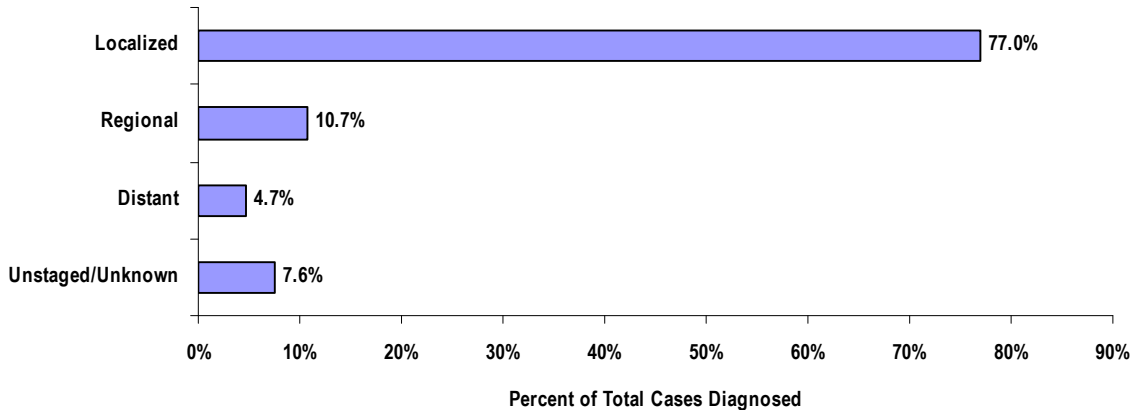
In the region, as throughout the state, the incidence of prostate cancer has varied considerably since statewide cancer reporting was implemented in California. These strong changes are believed to primarily reflect improvements in the detection of prostate cancer following the introduction and widespread use of the prostate specific antigen (PSA) test in the late 1980s. Statewide, the age-adjusted rate increased by approximately 70 percent between 1988 and 1992, followed by a 30 percent decrease over the next three years (3). As illustrated in Figure 8, statewide, incidence peaked in 1992 for non-Hispanic whites. By comparison, annual age-adjusted incidence rates among non-Hispanic whites in Region 6 increased by only 54 percent during the same five-year period.

Figure 8: Age-Adjusted Incidence (AAIR) and Mortality (AAMR) Rates for Prostate Cancer, Region 6 vs. California, 1988-2005, Non-Hispanic Whites



Veterans Health Administration hospitals did not report cancer cases to the California Cancer Registry (CCR) in 2005. Therefore, case counts and incidence rates for adult males in 2005 are underestimated and should be interpreted with caution (see Technical Notes of this report or www.ccrca.org/publications/VAtechnotes).

Figure 9: Invasive Prostate Cancer by Stage of Diagnosis, Region 6, Cancer Registry of Northern California, 2001-2005



Veterans Health Administration hospitals did not report cancer cases to the California Cancer Registry (CCR) in 2005. Therefore, case counts and incidence rates for adult males in 2005 are underestimated and should be interpreted with caution (see Technical Notes of this report or www.ccrca.org/publications/VAtechnotes).

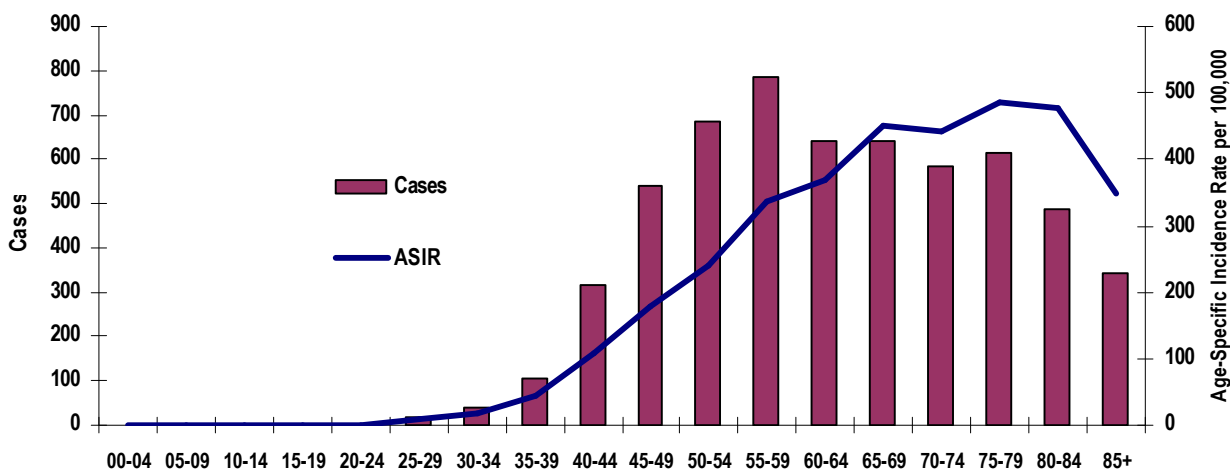
During the five-year period 2001 to 2005, 964 prostate cancer-related deaths were reported in Region 6 residents for an age-adjusted mortality rate of 26.8 deaths per 100,000 males. Prostate cancer was the second leading cause of cancer mortality among male residents of Region 6. In contrast to age-adjusted incidence, mortality rates for prostate cancer have remained relatively stable since 1988, both regionally and statewide (Figure 8).

SUMMARY OF RESULTS

Breast Cancer

Invasive cancer of the breast accounted for 30.1 percent of the total invasive cancer cases diagnosed among women in Region 6 between 2001 and 2005. The 5,795 new cases diagnosed among female residents of the greater Northern California region represent an average annual age-adjusted rate of 129.6 cases per 100,000 women. An additional 33 cases were diagnosed in men. Race-specific rates varied widely in the region, cancer incidence was lowest among residents classified as Asian or Pacific Islander race/ethnicity at 84.1 cases per 100,000 women, and highest among non-Hispanic white women at 134.2 cases per 100,000 women. Statewide, between 2001 and 2005, non-Hispanic white women had the highest invasive cancer incidence rate (143.5 new cases per 100,000 women), followed by blacks, Asian/Pacific Islanders, and Hispanics. Among non-Hispanic white women, the regional rate of 134.2 cases per 100,000 women is lower than the comparable California rate of 143.5 per 100,000 women.

Figure 10: Age-Specific Incidence Rates (ASIR) for Malignant Female Breast Cancer, Region 6, Cancer Registry of Northern California, 2001-2005

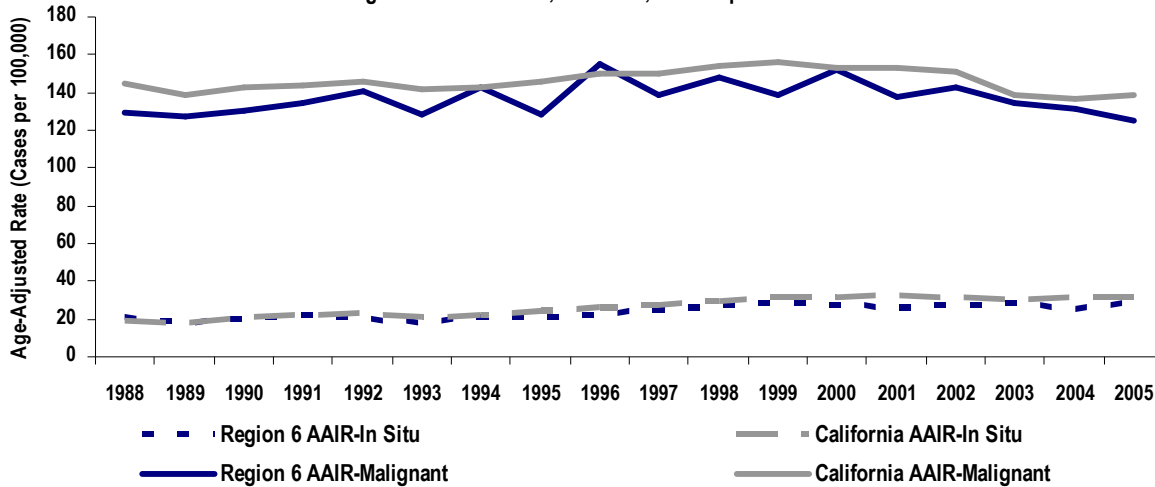


Veterans Health Administration hospitals did not report cancer cases to the California Cancer Registry (CCR) in 2005. Therefore, case counts and incidence rates for adult males in 2005 are underestimated and should be interpreted with caution (see Technical Notes of this report or www.ccrca.org/publications/VAtechnotes).

Age-specific rates for the entire region are presented in Table 22. Approximately 35 percent of all breast cancers were diagnosed among women 70 years old and older, 22 percent among women 60 to 69 years old, 25 percent among women 50 to 59 years old, and 18 percent in women under 50 years old.

Recent data reported by other, more historically established population-based cancer registries, including geographic areas covered by SEER (4), have reported breast cancer rates increasing through the 1980s, peaking in 1998 followed by a slight decrease. Since 1988, rates have remained relatively stable statewide, slightly increasing in 1998 and 1999. Directional changes in regional incidence rates have varied from year to year, with lows in 1989 and 1995 (124.1 and 124.0 new cases per 100,000, respectively), and a high in 1996 (149.9 new cases per 100,000). At least some portion of the apparent increase in breast cancer incidence is due to more aggressive breast cancer screening, but the influence of other factors potentially involved in breast carcinogenesis remains unclear and a source of both scientific and public debate.

Figure 11: Age-Adjusted Incidence Rates (AAIR) for Female Breast Cancer, Malignant & In Situ, Region 6 vs. California, 1988-2005, Non-Hispanic Whites

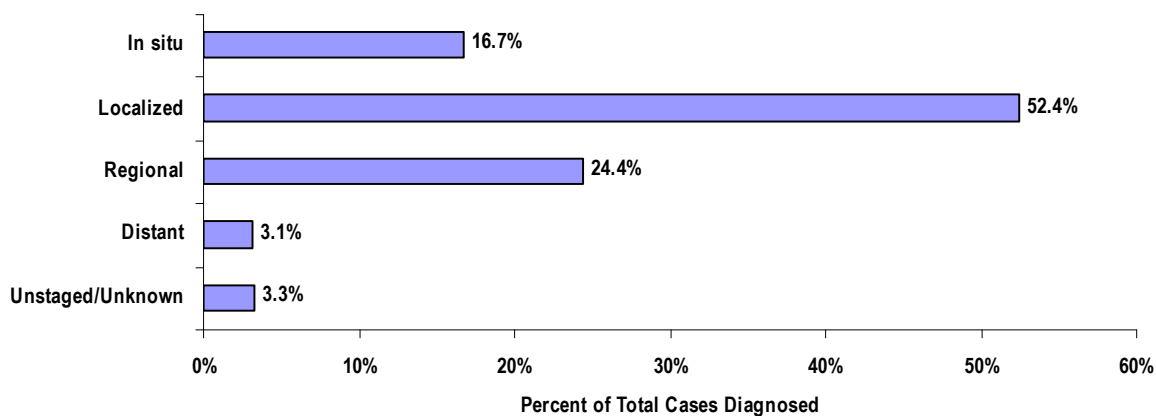


Veterans Health Administration hospitals did not report cancer cases to the California Cancer Registry (CCR) in 2005. Therefore, case counts and incidence rates for adult males in 2005 are underestimated and should be interpreted with caution (see Technical Notes of this report or www.ccrca.org/publications/VAtchnotes).

An additional 1,165 new cases of *in situ* breast cancer were diagnosed among female residents of the greater Northern California region. This represents an annual age-adjusted rate of 26.4 cases per 100,000 women, which is similar to the statewide rate for all races combined (27.1 cases per 100,000 women), but is lower than the state incidence among non-Hispanic whites (30.9 cases per 100,000 women). Limited case numbers hindered the determination of rates by race/ethnicity categories.

For all breast cancers diagnosed from 2001 to 2005, almost 70 percent were diagnosed early as *in situ* or local stage disease. However, a significant portion was still diagnosed as later stage disease either regionally (24.4%), through direct tumor extension, lymph node involvement or both, or as distant metastasis (3.1%). (Figure 12).

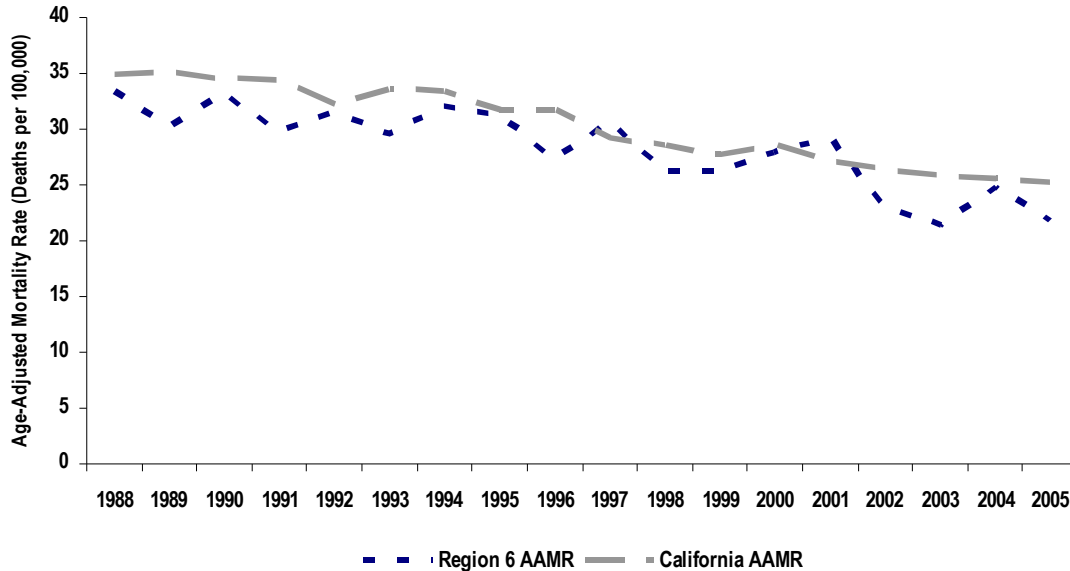
Figure 12: Female Breast Cancer by Stage of Diagnosis, Region 6, Cancer Registry of Northern California, 2001-2005



Veterans Health Administration hospitals did not report cancer cases to the California Cancer Registry (CCR) in 2005. Therefore, case counts and incidence rates for adult males in 2005 are underestimated and should be interpreted with caution (see Technical Notes of this report or www.ccrca.org/publications/VAtchnotes).

SUMMARY OF RESULTS

Figure 13: Age-Adjusted Mortality Rates (AAMR) for Female Breast Cancer, Region 6 vs. California, 1988-2005, Non-Hispanic Whites



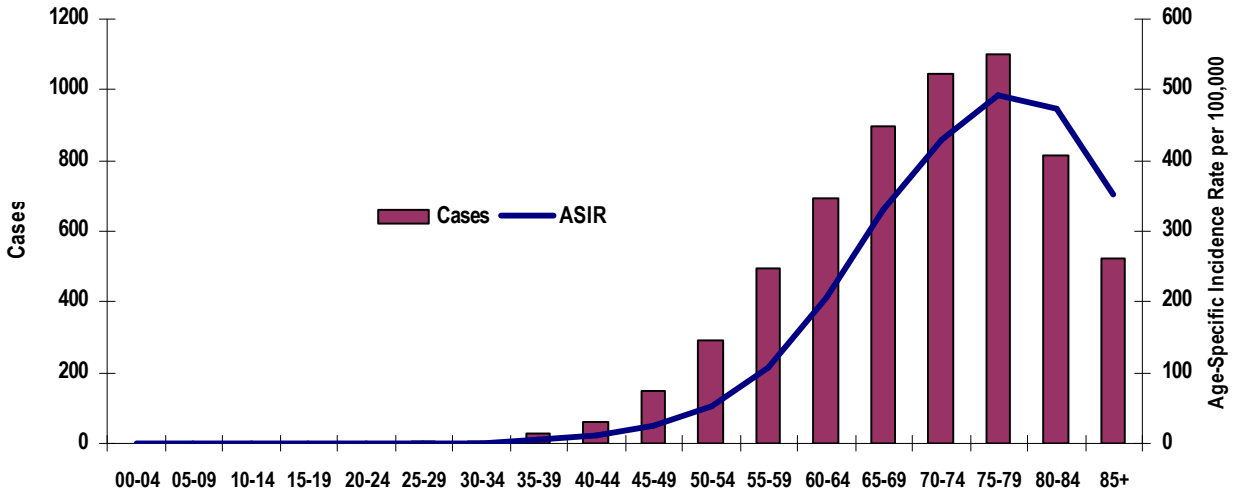
During the same five-year period, 2001 to 2005, 1,084 breast cancer-related deaths were reported in women residing in Region 6 for an age-adjusted mortality rate of 23.0 deaths per 100,000 females. Breast cancer was the second leading cause of cancer mortality. In contrast to age-adjusted incidence, mortality rates for breast cancer have been declining since 1988, both regionally and statewide (Figure 13).

Lung and Bronchus Cancer

Between 2001 and 2005, 6,102 new cases of invasive cancer of the lung and bronchus were diagnosed among residents of the greater Northern California region, making this site the second most frequently diagnosed cancer site for both men and women. This represents an annual age-adjusted incident rate of 71.8 cases per 100,000 population, much higher than the statewide rate of 55.8 cases per 100,000. Lung cancer incidence was over 30 percent higher among men, 83.6 cases per 100,000 men, than women, 63.1 cases per 100,000 women. Among both men and women, regional incidence rates for non-Hispanic whites also exceeded the statewide rates for both sexes: 85.8 versus 73.2 cases per 100,000 men and 64.9 versus 56.7 cases per 100,000 women, Region 6 versus California, respectively.

The highest regional incidence was observed among non-Hispanic black men (127.9 cases per 100,000) and non-Hispanic white men (85.8 cases per 100,000), and non-Hispanic white females (64.9 cases per 100,000). Hispanics and Asian/Pacific Islanders had significantly lower incidence rates compared to non-Hispanic whites for males. With the obvious exception of non-Hispanic whites, these race-specific rates are based on a small number of cases, so that any statistical comparison with race- and gender-specific statewide rates must be considered tenuous. However, Region 6 rates among non-Hispanic whites and Hispanics for both genders were higher than the statewide rates which may be reflective, at least in part, to higher smoking prevalence rates among these regional groups than in the state as a whole. Overall, an estimated 85 percent of lung cancers are due to primary cigarette smoking, even ignoring the contribution of exposure to environmental tobacco smoke (18).

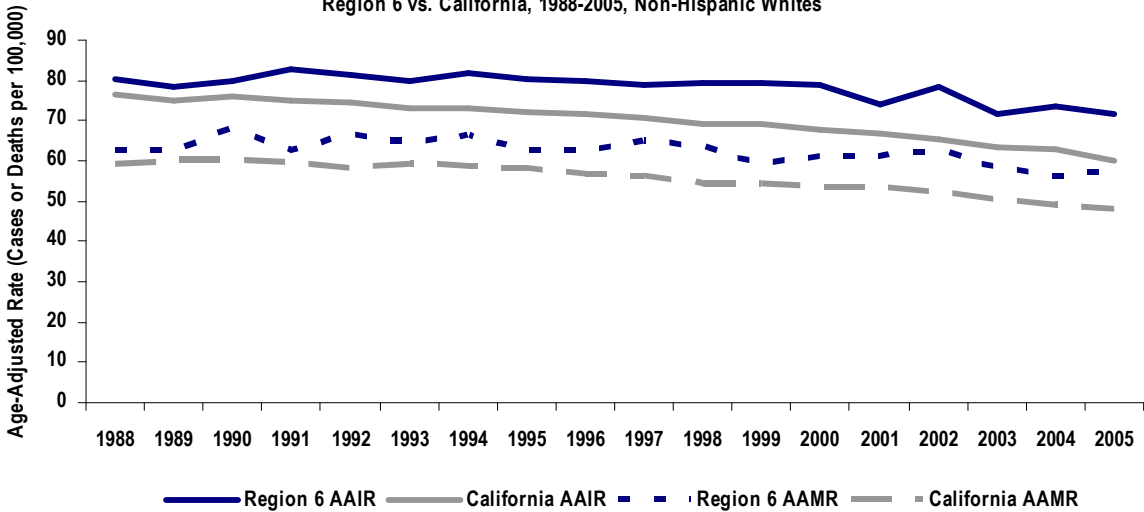
Figure 14: Age-Specific Incidence Rates (ASIR) for Lung Cancer, Region 6, Cancer Registry of Northern California, 2001-2005



Veterans Health Administration hospitals did not report cancer cases to the California Cancer Registry (CCR) in 2005. Therefore, case counts and incidence rates for adult males in 2005 are underestimated and should be interpreted with caution (see Technical Notes of this report or www.ccrca.org/publications/VAtechnotes).

Age-specific incidence and mortality rates for the entire region are presented in Tables 64 and 118. Approximately 72 percent of the lung cancers were diagnosed among residents ages 65 years or older (Figure 14).

Figure 15: Age-Adjusted Incidence (AAIR) and Mortality (AAMR) Rates for Lung Cancer, Region 6 vs. California, 1988-2005, Non-Hispanic Whites

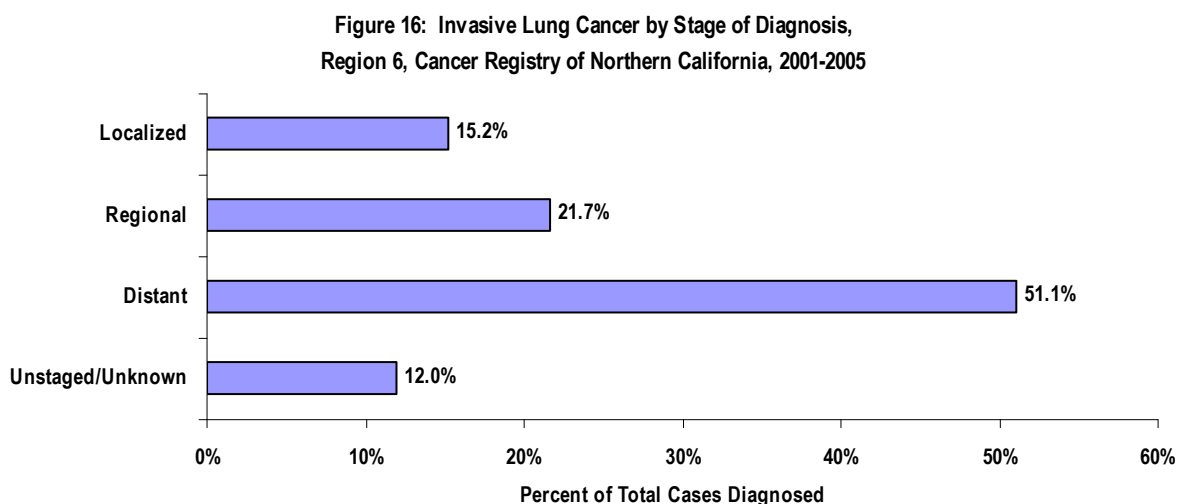


Veterans Health Administration hospitals did not report cancer cases to the California Cancer Registry (CCR) in 2005. Therefore, case counts and incidence rates for adult males in 2005 are underestimated and should be interpreted with caution (see Technical Notes of this report or www.ccrca.org/publications/VAtechnotes).

SUMMARY OF RESULTS

Lung cancer incidence (age-adjusted) among non-Hispanic white males has declined statewide since 1988. Region 6 rates, although higher, also appear to be following this downward trend. By comparison, incidence rates among non-Hispanic white females have remained relatively stable, with Region 6 rates remaining higher than statewide incidence.

Lung cancer mortality rates (age-adjusted) follow a similar pattern, declining for males and remaining stable among females. Region 6 mortality exceeds the statewide rates (Figure 15). Between 2001 and 2005, 4,881 lung cancer-related deaths occurred in Region 6 for an age-adjusted mortality rate of 57.1 deaths per 100,000, higher than the statewide mortality rate of 44.1 deaths per 100,000 for all races combined. Region 6 age-adjusted mortality from lung cancer among non-Hispanic whites was significantly higher than the comparable statewide rates for both males, 70.0 versus 59.9 deaths per 100,000, and females, 50.8 versus 43.8 deaths per 100,000.



Veterans Health Administration hospitals did not report cancer cases to the California Cancer Registry (CCR) in 2005. Therefore, case counts and incidence rates for adult males in 2005 are underestimated and should be interpreted with caution (see Technical Notes of this report or www.ccrca.org/publications/VAtechnotes).

In Region 6, over one-half of the new cases were initially diagnosed as remote disease (Figure 16). Lung cancer survival is extremely poor. The SEER program found that only 15 percent of the individuals diagnosed between 1996 and 2003 survived five years (4). It remains to be determined how any potential difference in age at diagnosis, as hinted at by the higher proportion of cases diagnosed in the elderly, would affect lung cancer survival rates in Region 6.

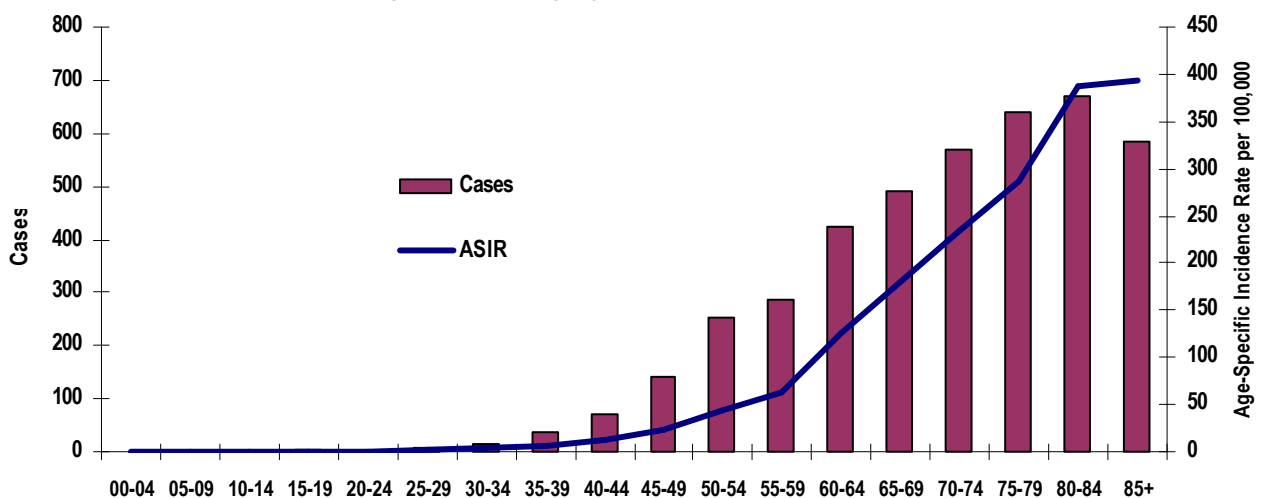
Colon and Rectum Cancer

Invasive cancer of colon and rectum was the fourth most frequently diagnosed site in men and the third most frequently diagnosed site in women. Over the five-year period, 2001 to 2005, 4,195 new cases of invasive and 230 cases of *in situ* cancer of the colon and rectum were diagnosed among residents of the greater Northern California region.

The age-adjusted colon and rectum incidence rates were 48.9 invasive cases and 2.7 *in situ* cases per 100,000 population. Rates for all races combined closely matched the regional rates for non-Hispanic white residents. Invasive cancer incidence was much higher among males, 55.7 cases per 100,000 men, than females, 43.3 cases per 100,000 women, with the regional rates for both genders being slightly higher than the comparable statewide incidence rates of 53.8 and 39.8 per 100,000 men and women, respectively.

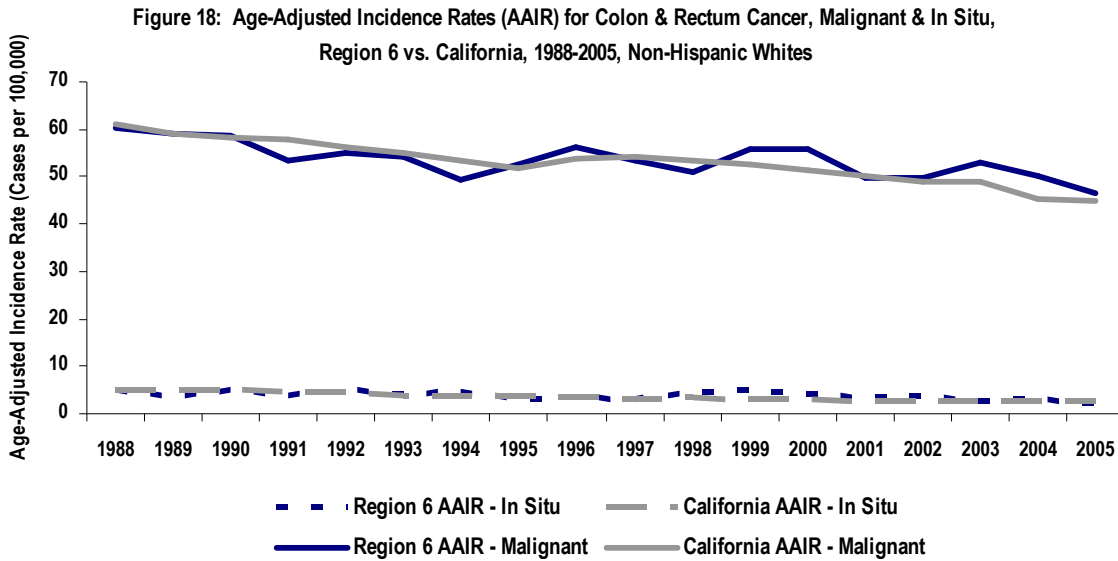
Age-specific rates for invasive cancer of the colon and rectum are provided in Table 34. Approximately 70 percent of the invasive cases were aged 65 years or older at diagnosis (Figure 17).

Figure 17: Age-Specific Incidence Rates (ASIR) for Malignant Colon & Rectum Cancer, Region 6, Cancer Registry of Northern California, 2001-2005



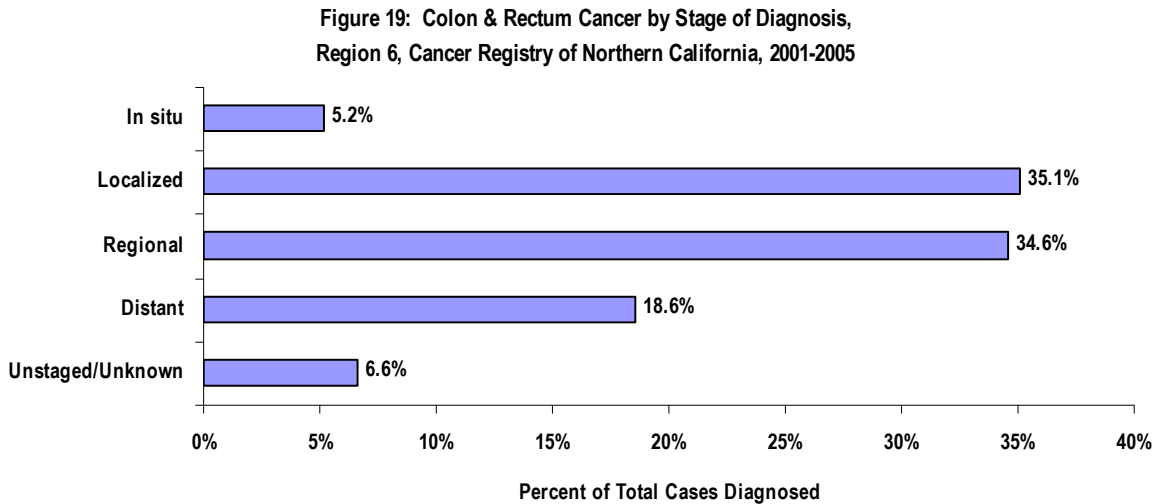
Veterans Health Administration hospitals did not report cancer cases to the California Cancer Registry (CCR) in 2005. Therefore, case counts and incidence rates for adult males in 2005 are underestimated and should be interpreted with caution (see Technical Notes of this report or www.ccrca.org/publications/VAtechnotes).

SUMMARY OF RESULTS



Veterans Health Administration hospitals did not report cancer cases to the California Cancer Registry (CCR) in 2005. Therefore, case counts and incidence rates for adult males in 2005 are underestimated and should be interpreted with caution (see Technical Notes of this report or www.ccrca.org/publications/VAtchnotes).

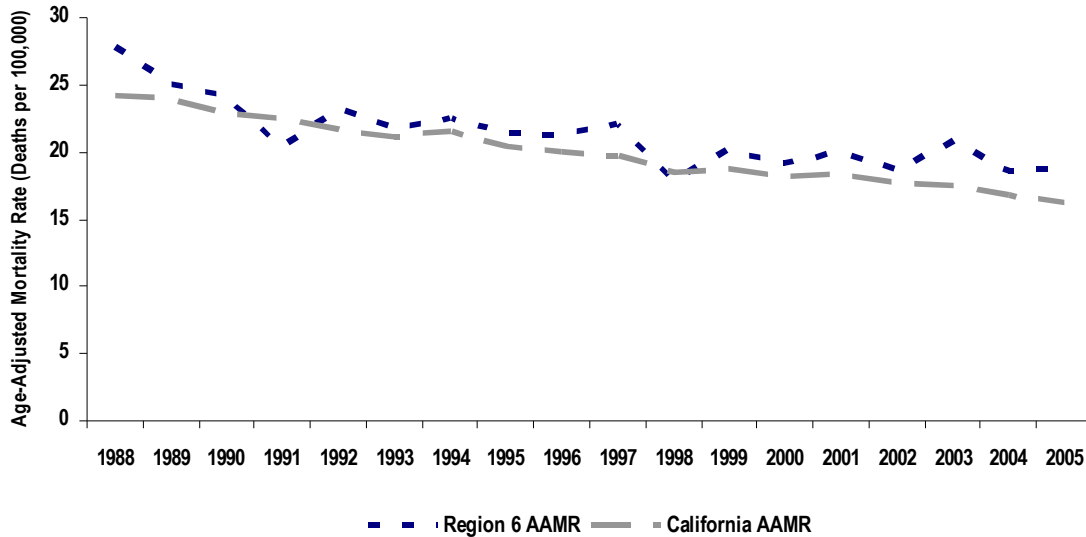
Incidence of invasive colon and rectum cancer has decreased steadily between 1988 and 2005, with an approximate 1 percent annual decline throughout the region. These decreases in colon and rectum cancer rates are thought to reflect increased use of endoscopic screening and benign polyp removal. However, a substantial proportion of colorectal cancers are still initially diagnosed at a later stage (Figure 19).



Veterans Health Administration hospitals did not report cancer cases to the California Cancer Registry (CCR) in 2005. Therefore, case counts and incidence rates for adult males in 2005 are underestimated and should be interpreted with caution (see Technical Notes of this report or www.ccrca.org/publications/VAtchnotes).

Cancer of the colon and rectum was the third most common cause of cancer-related deaths, with 1,645 deaths between 2001 and 2005, resulting in an age-adjusted mortality rate of 18.8 deaths per 100,000. As with incidence data, since 1988 a steady decrease in colon and rectum cancer mortality has been observed statewide, with Region 6 appearing to follow this trend (Figure 20).

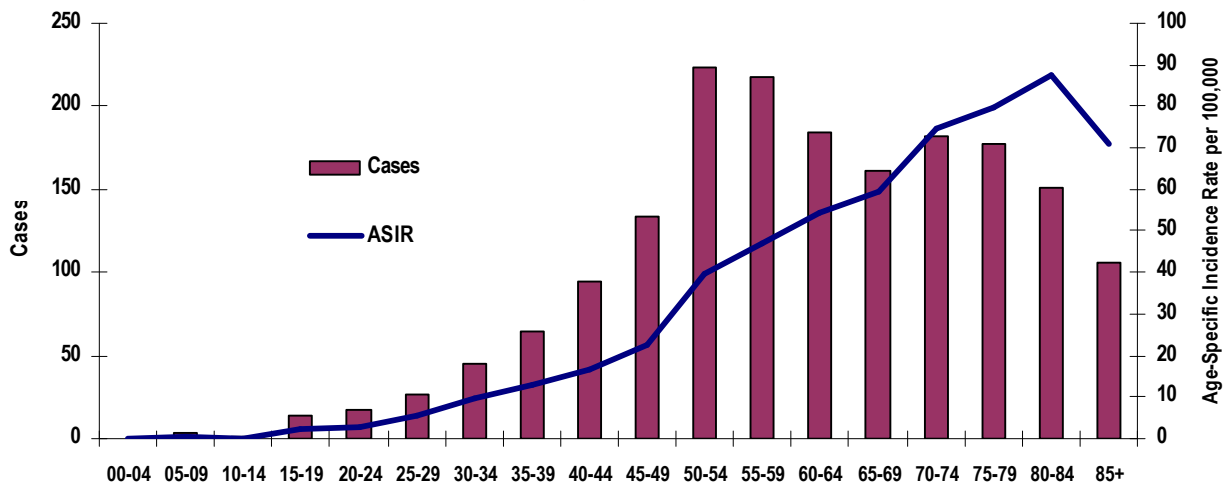
Figure 20: Age-Adjusted Mortality Rates (AAMR) for Colon & Rectum Cancer, Region 6 vs. California, 1988-2005, Non-Hispanic Whites



Melanoma of the Skin

Melanoma of the skin accounted for 4 percent of all invasive cancers initially diagnosed between 2001 and 2005 among residents of Region 6, the fifth most frequently diagnosed site in men and women. Over the five-year period, 2001 to 2005, 1,800 new cases of invasive and 1,089 cases of *in situ* melanoma were diagnosed among residents of the greater Northern California region.

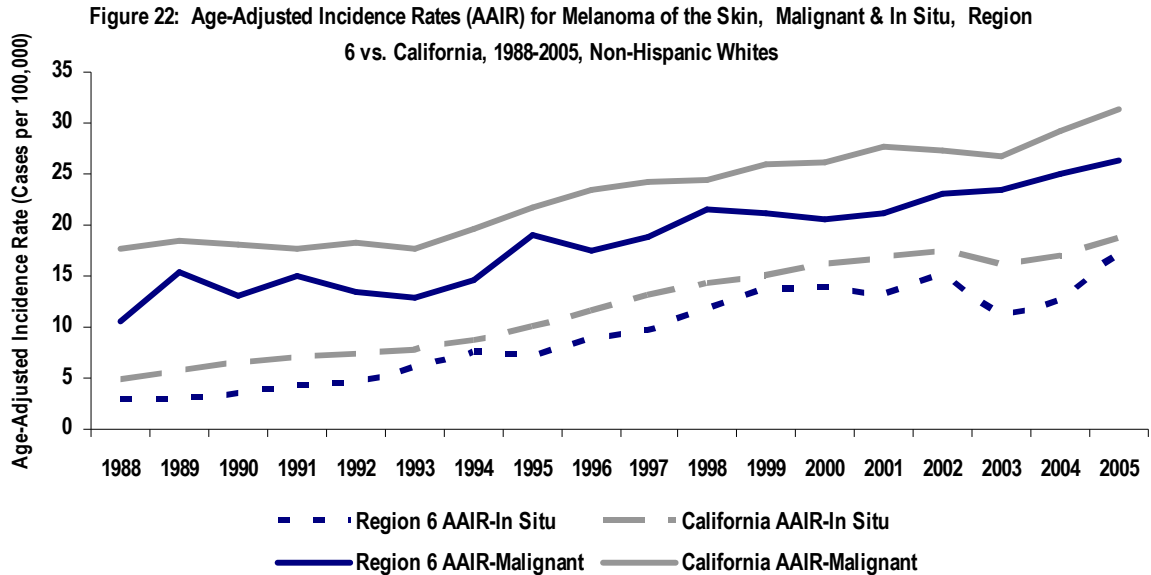
Figure 21: Age-Specific Incidence Rates (ASIR) for Malignant Melanoma of the Skin, Region 6, Cancer Registry of Northern California, 2001-2005



Veterans Health Administration hospitals did not report cancer cases to the California Cancer Registry (CCR) in 2005. Therefore, case counts and incidence rates for adult males in 2005 are underestimated and should be interpreted with caution (see Technical Notes of this report or www.ccrca.org/publications/VAtchnotes).

SUMMARY OF RESULTS

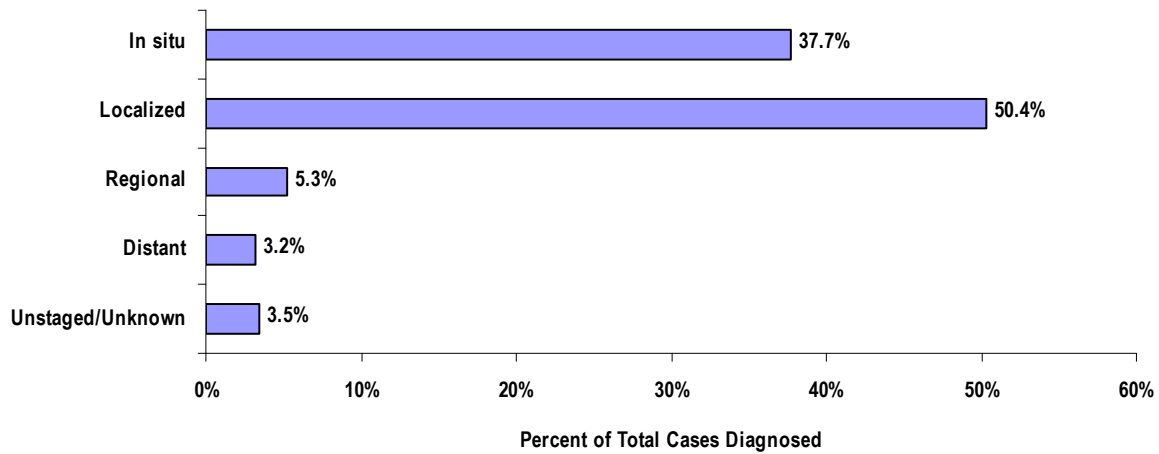
The age-adjusted melanoma incidence rates were 21.6 invasive cases and 13.0 *in situ* cases per 100,000 population. As observed throughout the state, the majority of melanoma cases occur in individuals categorized as non-Hispanic white; therefore rates for all races combined closely matched the regional rates for non-Hispanic white residents. Invasive cancer incidence was much higher among non-Hispanic white males, 29.2 cases per 100,000 men, than females, 19.6 cases per 100,000 women (non-Hispanic whites), with the regional rates for both sexes being lower than the comparable statewide incidence rates of 36.2 and 22.6 per 100,000 men and women, respectively (non-Hispanic whites).



Veterans Health Administration hospitals did not report cancer cases to the California Cancer Registry (CCR) in 2005. Therefore, case counts and incidence rates for adult males in 2005 are underestimated and should be interpreted with caution (see Technical Notes of this report or www.ccrca.org/publications/VAtchnotes).

As illustrated in Figure 22, incidence of invasive melanoma has increased steadily between 1988 and 2005. These recent increases in melanoma rates are thought to reflect an aging of the population with increased exposure of the ultra-violet light, as well as increased screening. However, a substantial proportion of melanomas are still initially diagnosed at an earlier stage (Figure 23).

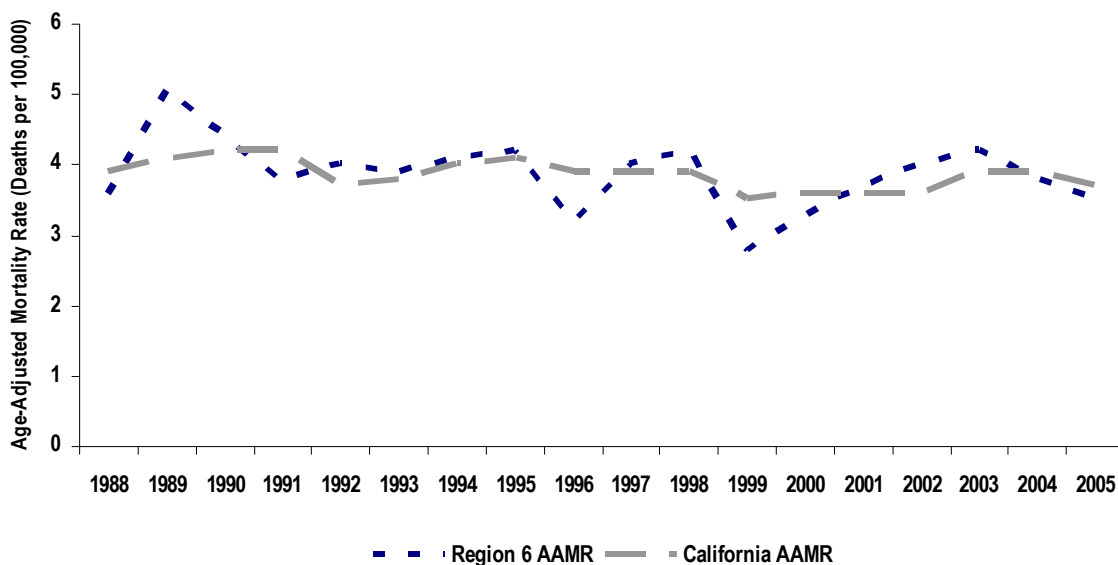
Figure 23: Melanoma of the Skin by Stage of Diagnosis, Region 6, Cancer Registry of Northern California, 2001-2005



Veterans Health Administration hospitals did not report cancer cases to the California Cancer Registry (CCR) in 2005. Therefore, case counts and incidence rates for adult males in 2005 are underestimated and should be interpreted with caution (see Technical Notes of this report or www.ccrca.org/publications/VAtechnotes).

Between 2001 and 2005, there were 298 deaths from melanoma of the skin, resulting in an age-adjusted mortality rate of 3.5 deaths per 100,000. In contrast to the incidence data, since 1988 melanoma-related mortality remained relatively stable statewide, with Region 6 appearing to follow this trend (Figure 24).

Figure 24: Age-Adjusted Mortality Rates (AAMR) for Melanoma of the Skin, Region 6 vs. California, 1988-2005, Non-Hispanic Whites



SUMMARY OF RESULTS: OTHER PRIMARY SITES

Brain and Nervous System

Between 2001 and 2005, 601 new cases of invasive cancer of the brain and nervous system were diagnosed among residents of the greater Northern California region, representing an average annual age-adjusted rate of 7.4 cases per 100,000 population, higher than the statewide rate of 6.2 cases per 100,000 for all races combined. For males and females combined, the incidence for non-Hispanic whites (7.9 per 100,000) was higher than the incidence for Hispanics (6.6 per 100,000). For all races combined, cancer incidence was higher among males than females. Among males and females, deaths due to malignant brain and nervous system cancer were the tenth and ninth most common cause of cancer-related death, respectively. Between 2001 and 2005, 440 cancer-related deaths occurred due to cancer of the brain and nervous system resulting in an age-adjusted mortality of 5.3 deaths per 100,000.

Cervix Uteri

Between 2001 and 2005, 286 new cases of invasive cancer of the cervix were diagnosed among female residents of greater Northern California. This represents an average annual age-adjusted rate of 7.4 cases per 100,000, lower than the statewide California rate of 8.5 cases per 100,000 for all races combined. The low number of cases influenced the stability of race-specific rates, however, the rate for Hispanics (8.8 cases per 100,000) was higher than non-Hispanic whites (7.3 cases per 100,000). During the five-year period, 2001 to 2005, 77 cancer-related deaths occurred due to cancer of the cervix, resulting in an age-adjusted mortality of 1.8 deaths per 100,000 women.

Corpus Uteri

Between 2001 and 2005, 1,108 new cases of invasive cancer of the corpus uteri (including corpus uteri, NOS) were diagnosed among female residents of greater Northern California. This represents an average annual age-adjusted rate of 24.3 cases per 100,000, higher than the statewide California rate of 21.7 cases per 100,000 for all races combined. Cancer of the uterus was the fourth most common cancer diagnosed among female residents (5.8 percent of total cancers). Non-Hispanic whites had a higher incidence (25.0 cases per 100,000) than Hispanics (18.7 cases per 100,000) and Asian Pacific-Islanders (12.3 cases per 100,000). The regional non-Hispanic white incidence rate was higher than the comparable statewide rate of 23.8 cases per 100,000. Between 2001 and 2005, 213 uterine cancer-related deaths occurred, resulting in an age-adjusted mortality of 4.3 deaths per 100,000 women.

Esophagus

Between 2001 and 2005, 474 new cases of invasive cancer of the esophagus were diagnosed among residents of greater Northern California. This represents an average annual age-adjusted rate of 5.6 cases per 100,000, higher than the statewide California rate of 4.1 cases per 100,000 for all races combined. The cancer incidence rate for males (9.3 cases per 100,000 men) was nearly four times the rate for females (2.4 cases per 100,000 women). The low number of cases limited presentation of race-specific rates. During the most recent five-year period, 2001 to 2005, 456 cancer-related deaths occurred due to cancer of the esophagus, resulting in an age-adjusted mortality rate of 5.4 deaths per 100,000. In men, deaths due to esophageal cancer were the sixth most common cause of cancer related death.

Veterans Health Administration hospitals did not report cancer cases to the California Cancer Registry (CCR) in 2005. Therefore, case counts and incidence rates for adult males in 2005 are underestimated and should be interpreted with caution (see Technical Notes of this report or www.ccrca.org/publications/VATechnotes).

Hodgkin Lymphoma

Between 2001 and 2005, 227 new cases of Hodgkin Lymphoma were diagnosed among residents of Northern California. This represents an average annual age-adjusted rate of 3.0 cases per 100,000 residents, higher than the statewide rate for all races 2.5 cases per 100,000 residents. The low number of cases identified as other than non-Hispanic white limited the calculation of race-specific rates. The regional rate is slightly higher than the statewide rate among non-Hispanic whites at 3.5 cases per 100,000 residents versus 3.2 per 100,000 residents, respectively. In this same five-year period, 2001 to 2005, 32 cancer-related deaths occurred due to Hodgkin Lymphoma resulting in an age-adjusted mortality of 0.4 deaths per 100,000.

Kidney and Renal Pelvis

Between 2001 and 2005, 1,045 new cases of invasive cancer of the kidney and renal pelvis were diagnosed among residents of greater Northern California, representing an average annual age-adjusted rate of 12.4 cases per 100,000. This Region 6 rate was slightly higher than the statewide rate (11.9 per 100,000). Incidence of this cancer was over twice as high among males (17.7 cases per 100,000) as compared to females (7.9 per 100,000). Incidence rates for non-Hispanic blacks were higher than the rates for non-Hispanic whites for both sexes combined at 26.7 per 100,000 versus 12.5 per 100,000. During the most recent five-year period, 341 cancer-related deaths occurred due to cancer of the kidney and renal pelvis, resulting in an age-adjusted mortality of 3.9 deaths per 100,000.

Larynx

Between 2001 and 2005, 296 new cases of invasive cancer of the larynx were diagnosed among residents of greater Northern California, representing an average annual age-adjusted rate of 3.5 cases per 100,000. The regional rate is slightly higher than the statewide cancer incidence among non-Hispanic whites, 3.6 cases per 100,000 versus 3.2 cases per 100,000. Incidence of this cancer was nearly four times higher in males than in females. The limited number of cases identified as other than non-Hispanic white limited the calculation of race-specific rates. Between 2001 and 2005, 100 laryngeal cancer-related deaths occurred in Region 6 residents, resulting in an average annual age-adjusted mortality rate of 1.2 deaths per 100,000 over this five-year period.

Leukemia

Between 2001 and 2005, 1,017 new cases of leukemia were diagnosed among residents of the greater Northern California region. This represents an average annual age-adjusted rate of 12.2 cases per 100,000, higher than the statewide cancer incidence for all races combined (11.5 cases per 100,000). Cancer incidence was higher among men than women. Leukemia was the tenth most common cancer in men. Over 60 percent of newly diagnosed leukemia cases occurred in residents aged 65 and over. However, with just over 7 percent of the cases diagnosed in children age 19 and under, leukemia was still the most frequent cancer site diagnosed in children. Between 2001 and 2005, 641 leukemia-related deaths occurred in Region 6 residents resulting in an annual age-adjusted mortality rate of 7.4 deaths per 100,000 (fifth and seventh most common cause of cancer death men and women, respectively).

Veterans Health Administration hospitals did not report cancer cases to the California Cancer Registry (CCR) in 2005. Therefore, case counts and incidence rates for adult males in 2005 are underestimated and should be interpreted with caution (see Technical Notes of this report or www.ccrca.org/publications/VAtchnotes).

SUMMARY OF RESULTS

Liver

Between 2001 and 2005, 511 new cases of invasive liver cancer were diagnosed among residents of the greater Northern California region. This represents an annual age-adjusted rate of 6.0 cases per 100,000, lower than the statewide cancer incidence rate of 8.0 cases per 100,000. Cancer incidence was three times higher among men compared to women. Additionally, 457 liver cancer-related deaths occurred during these five years, resulting in an average annual age-adjusted mortality rate of 5.4 deaths per 100,000.

Myeloma

Between 2001 and 2005, 445 new cases of myeloma were diagnosed among residents of the greater Northern California region. This represents an average annual age-adjusted rate of 5.2 cases per 100,000 identical to the statewide rate of 5.2 cases per 100,000. Between 2001 and 2005, 329 myeloma cancer deaths were reported among Region 6 residents, for an average annual age-adjusted mortality of 3.8 deaths per 100,000.

Non-Hodgkin Lymphoma

Between 2001 and 2005, 1,686 new cases of non-Hodgkin lymphoma were diagnosed among residents of greater Northern California, resulting in a cancer incidence rate of 20.0 cases per 100,000 residents. Non-Hodgkin lymphoma was the fifth most frequently diagnosed cancer among men and women in the region. Cancer incidence was higher in non-Hispanic white males, 24.6 per 100,000 than non-Hispanic white females, 16.5 cases per 100,000. These gender and race-specific incidence rates were nearly identical to the statewide rates for non-Hispanic whites, 24.6 and 16.6 cases per 100,000 men and women, respectively. In this same five-year period, 630 cancer-related deaths were attributable to non-Hodgkin lymphoma, resulting in an age-adjusted mortality rate of 7.3 deaths per 100,000 residents. Non-Hodgkin Lymphoma was the seventh and sixth most common site of cancer-related death among men and women, respectively.

Oral Cavity and Pharynx

Between 2001 and 2005, 994 new cases of invasive cancer of the oral cavity and pharynx were diagnosed in the greater Northern California region. This represents a cancer incidence rate of 11.8 per 100,000 residents, higher than the statewide rate of 10.0 cases per 100,000, all races combined, but identical to the statewide rate among non-Hispanic whites (11.8 cases per 100,000). Invasive cancer of the oral cavity was the ninth most frequently diagnosed cancer among men in Region 6. The cancer incidence rate among men was over twice the female rate, 17.1 cases versus 7.0 cases per 100,000 of the respective gender. During the most recent five-year period, 262 cancer-related deaths occurred due to cancer of the oral cavity and pharynx, resulting in an age-adjusted mortality rate of 3.0 deaths per 100,000.

Veterans Health Administration hospitals did not report cancer cases to the California Cancer Registry (CCR) in 2005. Therefore, case counts and incidence rates for adult males in 2005 are underestimated and should be interpreted with caution (see Technical Notes of this report or www.ccrca.org/publications/VAtchnotes).

Ovary

Between 2001 and 2005, 676 new cases of invasive cancer of the ovary were diagnosed in the greater Northern California region, representing an annual age-adjusted rate of 15.0 cases per 100,000 females. The regional rate is higher than the statewide incidence of 13.2 cases per 100,000, all races combined, and the statewide rate among non-Hispanic whites (14.6 cases per 100,000 non-Hispanic whites). Malignant cancers of the ovary were the seventh most common cancer diagnosed in women. Between 2001 and 2005, 540 ovarian cancer-related deaths were reported in Region 6 women, resulting in an average annual age-adjusted mortality of 11.5 deaths per 100,000 over the five-year period (fourth most common cancer related cause of death in women).

Pancreas

Between 2001 and 2005, 1,009 new cases of invasive cancer of the pancreas were diagnosed in the greater Northern California region. This represents an annual age-adjusted rate of 11.7 cases per 100,000, higher than the statewide incidence of 11.0 cases per 100,000, all races combined and 11.3 cases per 100,000, non-Hispanic white. Males had a higher age-adjusted incidence than females (14.0 versus 9.9 cases per 100,000 respectively). During the most recent five-year period, 930 pancreatic cancer-related deaths were reported in Region 6 residents, resulting in an average annual age-adjusted mortality rate of 10.8 deaths per 100,000 (fourth and fifth most common site of cancer-related death among men and women, respectively).

Stomach

Between 2001 and 2005, 518 new cases of invasive cancer of the stomach were diagnosed among residents of the greater Northern California region. This results in an annual age-adjusted incidence rate of 6.1 cases per 100,000 population, lower than the statewide incidence rate for all races combined, 8.2 cases per 100,000, but similar to the California rate for non-Hispanic whites, 5.9 cases per 100,000 population. The limited number of cases identified as other than non-Hispanic white limited the calculation of race-specific rates. Cancer incidence was higher in males than females 9.0 versus 3.8 cases per 100,000. Between 2001 and 2005, 290 cancer-related deaths occurred due to cancer of the stomach, resulting in an age-adjusted mortality of 3.3 deaths per 100,000.

Testis

Between 2001 and 2005, 217 new cases of invasive cancer of the testis were diagnosed among residents of the greater Northern California region. This represents an average annual age-adjusted rate of 5.9 per 100,000 men, higher than the California statewide rate for all races combined 5.2 cases per 100,000. Due to limited numbers within the region, determination of race-specific cancer incidence was restricted to the non-Hispanic white and Hispanic race/ethnicity categories. The non-Hispanic white rate, 7.3 cases per 100,000 men, was similar to the comparable statewide incidence among non-Hispanic white males of 7.4 cases per 100,000. As observed throughout California, testicular cancer primarily occurs among younger men, with nearly 90 percent of the cases diagnosed prior to age 50. During the most recent five-year period, 14 deaths due to testicular cancer occurred among Region 6 residents.

Veterans Health Administration hospitals did not report cancer cases to the California Cancer Registry (CCR) in 2005. Therefore, case counts and incidence rates for adult males in 2005 are underestimated and should be interpreted with caution (see Technical Notes of this report or www.ccrca.org/publications/VAtchnotes).

Thyroid Gland

Between 2001 and 2005, 576 new cases of invasive cancer of the thyroid gland were diagnosed among residents of the greater Northern California region. This represents an average annual age-adjusted rate of 7.3 cases per 100,000 population, lower than the statewide incidence rate of 8.0 cases per 100,000. As found throughout the state, thyroid cancer incidence was nearly three times higher in females than in males, 10.8 versus 3.9 cases per 100,000. The thyroid is the only non-gender specific anatomical site with a higher incidence rate among women compared to men. Invasive thyroid cancer followed a more even age distribution with approximately half of the cases diagnosed in women prior to age 50. Between 2001 and 2005, 42 thyroid cancer-related deaths occurred in Region 6 residents (25 in women), resulting in an average annual age-adjusted mortality rate of 0.5 deaths per 100,000.

Urinary Bladder

Between 2001 and 2005, 2,170 cases of cancer of the bladder (invasive and *in situ*) were diagnosed among residents of the greater Northern California region. This represents an average annual age-adjusted rate of 25.3 cases per 100,000 residents, higher than the statewide incidence rate of 19.4 cases per 100,000. The regional bladder cancer incidence among residents classified as non-Hispanic whites, 26.4 cases per 100,000, is slightly higher than the comparable statewide incidence rate for non-Hispanic whites, 23.7 cases per 100,000. Bladder cancer was the third most frequently diagnosed cancer among men and the ninth most commonly diagnosed cancer among women. Bladder cancer was over four times higher in males than in females, 44.4 versus 10.1 new cases per 100,000, respectively. During the most recent five-year period, 430 urinary bladder cancer-related deaths were reported among Region 6 residents, resulting in an average annual age-adjusted mortality rate of 4.9 deaths per 100,000 (8.1 deaths per 100,000 males).

Veterans Health Administration hospitals did not report cancer cases to the California Cancer Registry (CCR) in 2005. Therefore, case counts and incidence rates for adult males in 2005 are underestimated and should be interpreted with caution (see Technical Notes of this report or www.ccrca.org/publications/VAtchnotes).

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Cancer Incidence Rate Tables

ALL SITES

Table 14: Number of New Cancer Cases, Annual Age-Adjusted Incidence Rates, and 95% Confidence Intervals (CI), by Year of Diagnosis and Sex, Cancer Registry of Northern California, 1988-2005: All Sites

	Total				Male				Female			
	Cases	AAIR	95% CI		Cases	AAIR	95% CI		Cases	AAIR	95% CI	
1988	6,025	460.1	448.3	472.1	3,114	527.2	508.3	546.8	2,911	418.5	403.0	434.5
1989	6,196	458.3	446.8	470.2	3,226	530.0	511.3	549.3	2,970	410.6	395.6	426.2
1990	6,578	474.6	463.0	486.5	3,439	555.6	536.6	575.2	3,139	423.5	408.5	439.1
1991	6,870	483.1	471.6	494.9	3,671	580.1	561.0	599.9	3,199	419.3	404.5	434.5
1992	7,220	497.9	486.4	509.7	3,896	598.9	579.8	618.5	3,324	428.5	413.7	443.7
1993	7,283	490.9	479.6	502.4	3,893	588.9	570.2	608.2	3,390	423.0	408.7	437.8
1994	7,330	491.2	480.0	502.7	3,796	567.7	549.5	586.4	3,534	438.8	424.2	453.8
1995	7,273	480.1	469.1	491.4	3,855	565.1	547.2	583.5	3,418	421.1	406.9	435.7
1996	7,497	489.2	478.1	500.5	3,819	553.8	536.2	571.9	3,678	446.5	432.0	461.4
1997	7,634	490.7	479.7	501.9	3,939	560.8	543.3	578.8	3,695	442.4	428.1	457.1
1998	7,690	485.2	474.3	496.2	3,945	551.8	534.6	569.5	3,745	440.9	426.8	455.5
1999	7,894	490.8	480.0	501.7	4,065	561.0	543.9	578.7	3,829	439.3	425.4	453.7
2000	8,165	501.2	490.3	512.2	4,161	565.0	547.9	582.6	4,004	455.4	441.3	470.0
2001	7,863	477.2	466.7	487.9	4,096	550.9	534.1	568.1	3,767	424.6	411.0	438.6
2002	8,176	489.6	479.0	500.4	4,221	558.8	542.0	576.1	3,955	439.0	425.3	453.1
2003	8,050	475.7	465.3	486.3	4,191	543.9	527.5	560.7	3,859	424.8	411.3	438.6
2004	8,166	477.5	467.1	488.1	4,250	546.3	529.9	563.1	3,916	426.4	412.9	440.2
2005	7,870	454.7	444.6	465.0	4,130	524.0	508.0	540.4	3,740	403.7	390.6	417.1
2001-2005	40,125	474.8	470.2	479.5	20,888	544.7	537.3	552.1	19,237	423.5	417.5	429.7

Table 15: Number of New Cancer Cases, Average Annual Age-Adjusted Incidence Rates, and 95% CI, by Race and Sex, County and Sex (All Races), Cancer Registry of Northern California, 2001-2005: All Sites

	Total				Male				Female			
	Cases	AAIR	95% CI		Cases	AAIR	95% CI		Cases	AAIR	95% CI	
All Races Combined	40,125	474.8	470.2	479.5	20,888	544.7	537.3	552.1	19,237	423.5	417.5	429.7
Non-Hispanic White	36,616	487.5	482.4	492.6	19,031	557.7	549.7	565.7	17,585	435.2	428.7	441.9
Non-Hispanic Black	381	502.3	451.7	557.5	246	632.6	551.0	725.2	135	382.1	319.7	453.8
Hispanic	2,113	419.0	399.6	439.2	1,050	454.8	424.3	487.4	1,063	398.6	373.3	425.3
Asian-Pacific Islander	478	274.8	249.9	301.9	228	323.8	281.1	372.1	250	243.4	213.4	276.8
Butte	5,789	489.5	476.8	502.5	3,003	566.3	546.1	587.1	2,786	434.4	418.0	451.5
Lake	1,989	486.0	464.6	508.3	1,081	555.3	522.4	590.1	908	428.6	400.6	458.4
Mendocino	2,245	448.7	430.1	467.9	1,174	505.7	476.8	536.0	1,071	403.2	379.0	428.7
Napa	3,578	477.1	461.4	493.2	1,873	548.7	524.1	574.3	1,705	424.6	404.3	445.8
Shasta	5,087	500.4	486.6	514.5	2,787	599.6	577.4	622.5	2,300	423.7	406.3	441.7
Sonoma	11,538	468.0	459.4	476.7	5,733	532.0	518.1	546.1	5,805	425.2	414.2	436.5
Colusa/Glenn/Tehama	2,724	480.2	462.2	498.7	1,443	545.8	517.9	574.9	1,281	429.3	405.9	453.9
Del Norte/Humboldt	3,995	496.2	480.8	511.9	2,043	561.2	536.9	586.4	1,952	451.3	431.3	472.1
Lassen/Modoc/Plumas	1,415	400.9	380.1	422.7	805	462.3	430.3	496.5	610	354.0	326.1	384.2
Siskiyou/Trinity	1,765	444.9	423.9	466.9	946	496.4	464.6	530.4	819	401.1	373.3	431.1

Source: Cancer Registry of Northern California/California Health Collaborative, Region 6/CCR.

*Note: Excludes in situ cancers, other than urinary bladder. AAIR=Average annual age-adjusted incidence rates per 100,000 (2000 U.S. Standard) for the five-year period. Race/ethnicity categories are mutually exclusive. Cases for small contiguous counties have been combined as noted. Rates based on fewer than fifteen cases are not shown. Veterans Health Administration hospitals did not report cancer cases to the California Cancer Registry (CCR) in 2005. Therefore, case counts and incidence rates for adult males in 2005 are underestimated and should be interpreted with caution (see Technical Notes of this report or www.ccr.ca.gov/publications/Vatechnotes).

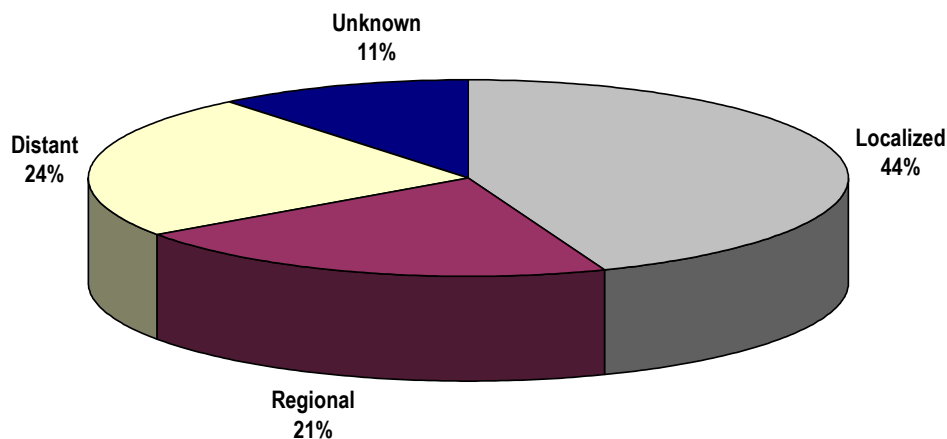
Table 16: Number of New Cancer Cases, Average Annual Age-Specific Incidence Rates and 95% CI, by Age and Sex, Cancer Registry of Northern California, 2001-2005: All Sites

	Total				Male				Female			
	Cases	ASIR	95% CI		Cases	ASIR	95% CI		Cases	ASIR	95% CI	
00-04	85	19.5	15.6	24.1	48	21.5	15.8	28.4	37	17.5	12.3	24.1
05-09	64	13.7	10.6	17.5	45	18.8	13.7	25.1	19	8.4	5.1	13.1
10-14	70	13.0	10.2	16.5	37	13.3	9.4	18.4	33	12.7	8.7	17.8
15-19	130	22.8	19.0	27.1	81	27.4	21.8	34.1	49	17.8	13.2	23.5
20-24	156	26.9	22.8	31.4	81	26.6	21.1	33.1	75	27.2	21.4	34.0
25-29	223	47.5	41.5	54.2	94	37.2	30.0	45.5	129	59.6	49.8	70.9
30-34	356	77.8	69.9	86.3	145	60.3	50.8	70.9	211	97.2	84.5	111.2
35-39	564	113.9	104.6	123.6	208	82.6	71.7	94.6	356	146.2	131.4	162.2
40-44	1,126	199.1	187.7	211.1	419	150.4	136.3	165.5	707	246.5	228.7	265.4
45-49	1,943	330.0	315.5	345.0	779	270.7	252.0	290.4	1,164	386.7	364.8	409.5
50-54	3,084	548.2	529.0	567.8	1,445	518.8	492.4	546.2	1,639	577.0	549.4	605.6
55-59	4,065	878.3	851.5	905.7	2,060	901.4	862.9	941.2	2,005	855.8	818.8	894.1
60-64	4,428	1314.4	1276.0	1353.7	2,458	1504.0	1445.2	1564.7	1,970	1135.7	1086.1	1187.0
65-69	5,087	1873.6	1822.5	1925.8	2,950	2271.7	2190.5	2355.2	2,137	1508.6	1445.3	1574.0
70-74	5,233	2146.6	2088.9	2205.6	3,018	2694.8	2599.5	2792.7	2,215	1680.8	1611.5	1752.3
75-79	5,523	2481.3	2416.3	2547.7	3,031	3132.9	3022.4	3246.5	2,492	1980.4	1903.4	2059.7
80-84	4,476	2597.1	2521.6	2674.4	2,364	3366.4	3232.1	3504.9	2,112	2068.2	1980.9	2158.3
85+	3,512	2356.2	2278.9	2435.4	1,625	3174.9	3022.4	3333.2	1,887	1928.0	1842.0	2017.0

Source: Cancer Registry of Northern California (CRNC)/ California Health Collaborative, Region 6/ CCR.

*Note: Excludes in situ cancers, other than urinary bladder. ASIR = Average annual age-specific incidence rates per 100,000 by age group. Rates based on fewer than fifteen cases are not shown. Veterans Health Administration hospitals did not report cancer cases to the California Cancer Registry (CCR) in 2005. Therefore, case counts and incidence rates for adult males in 2005 are underestimated and should be interpreted with caution (see Technical Notes of this report or www.ccrca.org/publications/VAtectnotes).

Figure 25: SEER Summary Stage of Disease at Diagnosis, Cancer Registry of Northern California, 2001-2005: All Sites



Veterans Health Administration hospitals did not report cancer cases to the California Cancer Registry (CCR) in 2005. Therefore, case counts and incidence rates for adult males in 2005 are underestimated and should be interpreted with caution (see Technical Notes of this report or www.ccrca.org/publications/VAtectnotes).

BRAIN & NERVOUS SYSTEM

Table 17: Number of New Cancer Cases, Annual Age-Adjusted Incidence Rates, and 95% Confidence Intervals (CI), by Year of Diagnosis and Sex, Cancer Registry of Northern California, 1988-2005: Brain & Other Nervous

	Total				Male				Female			
	Cases	AAIR	95% CI		Cases	AAIR	95% CI		Cases	AAIR	95% CI	
1988	85	6.8	5.4	8.5	47	8.1	5.9	11.0	38	5.7	4.0	7.9
1989	102	7.8	6.4	9.6	59	9.3	7.1	12.3	43	6.6	4.7	9.0
1990	102	7.5	6.1	9.1	48	7.5	5.5	10.2	54	7.5	5.6	10.0
1991	122	8.7	7.2	10.4	74	11.5	9.0	14.6	48	6.3	4.6	8.5
1992	100	7.2	5.8	8.8	53	8.0	5.9	10.6	47	6.7	4.9	8.9
1993	87	6.1	4.8	7.5	56	8.2	6.2	10.8	31	4.1	2.8	6.0
1994	114	7.8	6.5	9.4	62	8.9	6.8	11.6	52	6.8	5.1	9.0
1995	99	6.9	5.6	8.4	61	8.9	6.8	11.6	38	4.9	3.4	6.8
1996	115	7.8	6.4	9.4	61	8.8	6.7	11.4	54	6.9	5.2	9.1
1997	109	7.3	6.0	8.9	61	8.6	6.6	11.2	48	6.3	4.6	8.4
1998	140	9.3	7.8	10.9	86	12.0	9.6	14.9	54	6.7	5.0	8.8
1999	115	7.6	6.2	9.1	70	9.7	7.6	12.3	45	5.6	4.1	7.6
2000	107	6.8	5.6	8.3	50	6.7	4.9	8.9	57	7.1	5.3	9.2
2001	115	7.3	6.1	8.8	65	8.8	6.8	11.2	50	6.2	4.6	8.3
2002	128	7.9	6.6	9.5	76	10.1	7.9	12.6	52	6.2	4.6	8.2
2003	123	7.6	6.3	9.1	67	8.8	6.8	11.2	56	6.5	4.8	8.5
2004	123	7.4	6.2	8.9	81	10.3	8.2	12.9	42	5.0	3.6	6.8
2005	112	6.8	5.6	8.2	67	8.6	6.6	11.0	45	5.2	3.8	7.1
2001-2005	601	7.4	6.8	8.0	356	9.3	8.3	10.3	245	5.8	5.1	6.6

Table 18: Number of New Cancer Cases, Average Annual Age-Adjusted Incidence Rates, and 95% CI, by Race and Sex, County and Sex (All Races), Cancer Registry of Northern California, 2001-2005: Brain & Other Nervous

	Total				Male				Female			
	Cases	AAIR	95% CI		Cases	AAIR	95% CI		Cases	AAIR	95% CI	
All Races Combined	601	7.4	6.8	8.0	356	9.3	8.3	10.3	245	5.8	5.1	6.6
Non-Hispanic White	540	7.9	7.2	8.6	319	9.9	8.8	11.1	221	6.2	5.4	7.1
Non-Hispanic Black	5	--	--	--	5	--	--	--	0	--	--	--
Hispanic	48	6.6	4.6	9.6	28	8.4	4.9	14.4	20	5.3	2.9	9.2
Asian-Pacific Islander	<5	--	--	--	<5	--	--	--	<5	--	--	--
Butte	91	8.2	6.6	10.1	54	10.6	8.0	14.0	37	6.1	4.3	8.6
Lake	21	5.3	3.3	8.5	10	--	--	--	11	--	--	--
Mendocino	35	7.2	5.0	10.2	16	7.1	4.0	11.9	19	7.7	4.5	12.4
Napa	47	6.4	4.7	8.6	26	7.6	5.0	11.2	21	5.2	3.2	8.1
Shasta	77	8.1	6.4	10.3	49	10.9	8.0	14.6	28	5.8	3.8	8.5
Sonoma	203	8.5	7.3	9.7	126	11.4	9.5	13.7	77	6.1	4.8	7.6
Colusa/Glenn/Tehama	29	5.3	3.6	7.7	18	6.9	4.1	11.0	11	--	--	--
Del Norte/Humboldt	52	6.6	4.9	8.7	29	7.9	5.3	11.5	23	5.5	3.5	8.4
Lassen/Modoc/Plumas	22	6.4	4.0	10.1	16	9.4	5.3	16.2	6	--	--	--
Siskiyou/Trinity	24	6.6	4.1	10.5	12	--	--	--	12	--	--	--

Source: Cancer Registry of Northern California (CRNC)/California Health Collaborative, Region 6/CCR.

*Note: Excludes in situ cancers. Rates based on fewer than fifteen cases are not shown. Race/ethnicity categories are mutually exclusive.

AAIR = Average annual age-adjusted incidence rates per 100,000 (2000 U.S. Standard) for the five-year period. Cases for small contiguous counties have been combined as noted. Veterans Health Administration hospitals did not report cancer cases to the California Cancer Registry (CCR) in 2005. Therefore, case counts and incidence rates for adult males in 2005 are underestimated and should be interpreted with caution (see Technical Notes of this report or www.ccrca.org/publications/VAtechnotes).

Table 19: Number of New Cancer Cases, Average Annual Age-Specific Incidence Rates and 95% CI, by Age and Sex, Cancer Registry of Northern California, 2001-2005: Brain & Other Nervous

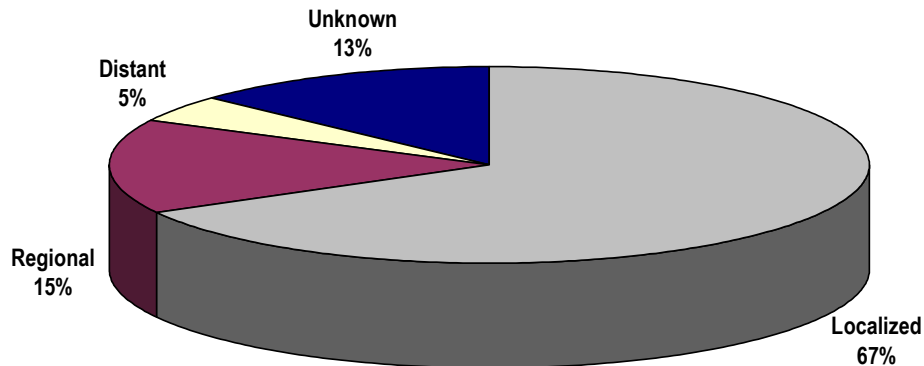
	Total			Male			Female		
	Cases	ASIR	95% CI	Cases	ASIR	95% CI	Cases	ASIR	95% CI
00-04	9	--	--	4	--	--	5	--	--
05-09	15	3.2	1.8	10	--	--	5	--	--
10-14	11	--	--	8	--	--	<5	--	--
15-19	14	--	--	11	--	--	<5	--	--
20-24	14	--	--	7	--	--	7	--	--
25-29	14	--	--	<5	--	--	10	--	--
30-34	22	4.8	3.0	12	--	--	10	--	--
35-39	20	4.0	2.5	10	--	--	10	--	--
40-44	24	4.2	2.7	17	6.1	3.6	7	--	--
45-49	42	7.1	5.1	24	8.3	5.3	18	6.0	3.5
50-54	58	10.3	7.8	32	11.5	7.9	26	9.2	6.0
55-59	52	11.2	8.4	34	14.9	10.3	18	7.7	4.6
60-64	60	17.8	13.6	36	22.0	15.4	24	13.8	8.9
65-69	61	22.5	17.2	34	26.2	18.1	27	19.1	12.6
70-74	48	19.7	14.5	32	28.6	19.5	16	12.1	6.9
75-79	70	31.4	24.5	47	48.6	35.7	23	18.3	11.6
80-84	36	20.9	14.6	18	25.6	15.2	18	17.6	10.4
85+	31	20.8	14.1	16	31.3	17.9	15	15.3	8.6

Source: Cancer Registry of Northern California (CRNC)/ California Health Collaborative, Region 6/ CCR.

*Note: Excludes in situ cancers. ASIR = Average annual age-specific incidence rates per 100,000 by age group.

Rates based on fewer than fifteen cases are not shown. Veterans Health Administration hospitals did not report cancer cases to the California Cancer Registry (CCR) in 2005. Therefore, case counts and incidence rates for adult males in 2005 are underestimated and should be interpreted with caution (see Technical Notes of this report or www.ccrca.org/publications/VAtechnotes).

Figure 26: SEER Summary Stage of Disease at Diagnosis, Cancer Registry of Northern California, 2001-2005: Brain & Other Nervous



Veterans Health Administration hospitals did not report cancer cases to the California Cancer Registry (CCR) in 2005. Therefore, case counts and incidence rates for adult males in 2005 are underestimated and should be interpreted with caution (see Technical Notes of this report or www.ccrca.org/publications/VAtechnotes).

BREAST (INVASIVE)

Table 20: Number of New Cancer Cases, Annual Age-Adjusted Incidence Rates, and 95% Confidence Intervals (CI), by Year of Diagnosis and Sex, Cancer Registry of Northern California, 1988-2005: Breast (Invasive)

	Total				Male				Female			
	Cases	AAIR	95% CI		Cases	AAIR	95% CI		Cases	AAIR	95% CI	
1988	869	68.7	64.1	73.6	<5	--	--	--	865	126.8	118.2	135.9
1989	882	67.1	62.7	71.8	<5	--	--	--	878	124.1	115.8	132.9
1990	901	67.9	63.5	72.7	<5	--	--	--	898	125.5	117.2	134.4
1991	963	70.4	66.0	75.1	6	--	--	--	957	130.6	122.2	139.4
1992	1,039	74.5	70.0	79.2	8	--	--	--	1,031	137.2	128.8	146.1
1993	988	68.6	64.4	73.1	12	--	--	--	976	125.9	118.0	134.3
1994	1,085	74.9	70.5	79.6	9	--	--	--	1,076	138.7	130.4	147.5
1995	978	66.7	62.6	71.1	7	--	--	--	971	124.0	116.2	132.2
1996	1,201	80.5	76.0	85.3	8	--	--	--	1,193	149.9	141.4	158.8
1997	1,114	72.8	68.6	77.3	8	--	--	--	1,106	135.6	127.6	144.0
1998	1,203	77.0	72.7	81.5	10	--	--	--	1,193	143.3	135.3	151.8
1999	1,170	73.1	68.9	77.4	5	--	--	--	1,165	135.8	128.1	144.0
2000	1,303	80.2	75.9	84.7	9	--	--	--	1,294	149.0	140.9	157.5
2001	1,188	72.4	68.3	76.7	6	--	--	--	1,182	135.8	128.1	143.9
2002	1,228	73.4	69.4	77.7	6	--	--	--	1,222	137.4	129.8	145.5
2003	1,158	68.5	64.6	72.7	8	--	--	--	1,150	128.6	121.2	136.4
2004	1,131	66.3	62.4	70.3	<5	--	--	--	1,127	124.7	117.4	132.4
2005	1,123	64.9	61.1	68.9	9	--	--	--	1,114	121.7	114.5	129.2
2001-2005	5,828	69.1	67.3	70.9	33	0.8	0.6	1.2	5,795	129.6	126.2	133.0

Table 21: Number of New Cancer Cases, Average Annual Age-Adjusted Incidence Rates, and 95% CI, by Race and Sex, County and Sex (All Races), Cancer Registry of Northern California, 2001-2005: Breast (Invasive)

	Total				Male				Female			
	Cases	AAIR	95% CI		Cases	AAIR	95% CI		Cases	AAIR	95% CI	
All Races Combined	5,828	69.1	67.3	70.9	33	0.8	0.6	1.2	5,795	129.6	126.2	133.0
Non-Hispanic White	5,350	71.9	70.0	73.9	30	0.8	0.6	1.2	5,320	134.2	130.5	137.9
Non-Hispanic Black	35	42.6	29.2	60.6	0	--	--	--	35	98.2	68.2	137.8
Hispanic	316	55.4	48.9	62.7	<5	--	--	--	314	111.4	98.7	125.5
Asian-Pacific Islander	91	48.5	38.7	60.3	<5	--	--	--	90	84.1	67.2	104.4
Butte	815	71.5	66.6	76.7	<5	--	--	--	814	132.7	123.5	142.4
Lake	224	56.9	49.6	65.2	<5	--	--	--	223	109.0	94.9	125.0
Mendocino	313	62.7	55.9	70.3	5	--	--	--	308	117.7	104.7	132.0
Napa	555	75.4	69.2	82.1	<5	--	--	--	552	142.5	130.6	155.2
Shasta	677	67.1	62.1	72.4	<5	--	--	--	674	125.0	115.6	135.0
Sonoma	1,882	74.7	71.3	78.2	12	--	--	--	1,870	137.6	131.3	144.1
Colusa/Glenn/Tehama	378	68.1	61.4	75.4	<5	--	--	--	375	129.7	116.8	143.8
Del Norte/Humboldt	580	71.1	65.4	77.2	<5	--	--	--	577	133.4	122.7	145.0
Lassen/Modoc/Plumas	185	51.8	44.6	60.2	<5	--	--	--	184	105.0	90.3	122.1
Siskiyou/Trinity	219	55.6	48.3	64.0	<5	--	--	--	218	107.2	93.2	123.5

Source: Cancer Registry of Northern California (CRNC)/California Health Collaborative, Region 6/CCR.

*Note: Excludes in situ cancers. Rates based on fewer than fifteen cases are not shown. Race/ethnicity categories are mutually exclusive.

AAIR = Average annual age-adjusted incidence rates per 100,000 (2000 U.S. Standard) for the five-year period. Cases for small contiguous counties have been combined as noted. Veterans Health Administration hospitals did not report cancer cases to the California Cancer Registry (CCR) in 2005. Therefore, case counts and incidence rates for adult males in 2005 are underestimated and should be interpreted with caution (see Technical Notes of this report or www.ccrca.org/publications/VATechnotes).

BREAST (INVASIVE)

Table 22: Number of New Cancer Cases, Average Annual Age-Specific Incidence Rates and 95% CI, by Age and Sex, Cancer Registry of Northern California, 2001-2005: Breast (Invasive)

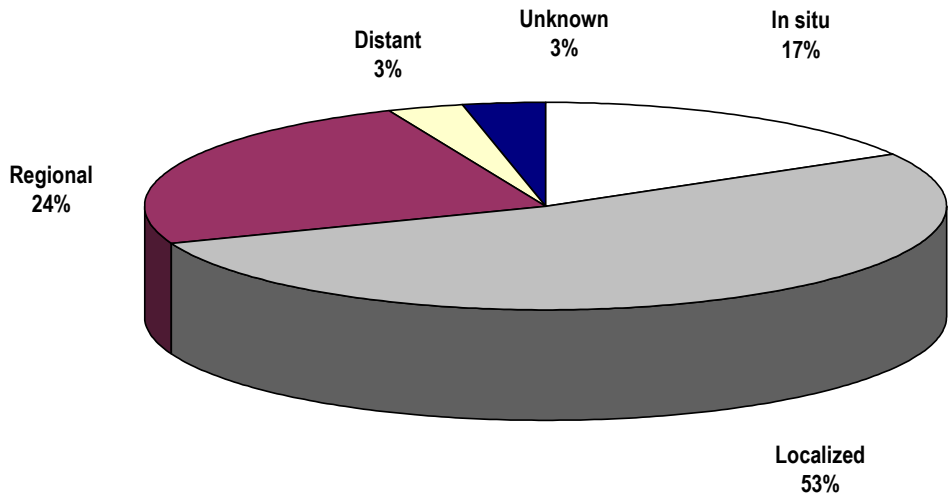
	Total				Male				Female			
	Cases	ASIR	95% CI		Cases	ASIR	95% CI		Cases	ASIR	95% CI	
00-04	0	--	--	--	0	--	--	--	0	--	--	--
05-09	0	--	--	--	0	--	--	--	0	--	--	--
10-14	0	--	--	--	0	--	--	--	0	--	--	--
15-19	0	--	--	--	0	--	--	--	0	--	--	--
20-24	<5	--	--	--	0	--	--	--	<5	--	--	--
25-29	19	4.0	2.4	6.3	0	--	--	--	19	8.8	5.3	13.7
30-34	40	8.7	6.2	11.9	0	--	--	--	40	18.4	13.2	25.1
35-39	104	21.0	17.2	25.4	0	--	--	--	104	42.7	34.9	51.7
40-44	314	55.5	49.6	62.0	0	--	--	--	314	109.5	97.7	122.3
45-49	542	92.1	84.5	100.1	<5	--	--	--	541	179.7	164.9	195.5
50-54	686	121.9	113.0	131.4	<5	--	--	--	685	241.1	223.4	259.9
55-59	794	171.6	159.8	183.9	7	--	--	--	787	335.9	312.9	360.2
60-64	644	191.2	176.7	206.5	<5	--	--	--	640	369.0	340.9	398.7
65-69	643	236.8	218.9	255.9	<5	--	--	--	639	451.1	416.8	487.5
70-74	587	240.8	221.7	261.1	<5	--	--	--	584	443.1	407.9	480.6
75-79	616	276.8	255.3	299.5	<5	--	--	--	613	487.1	449.3	527.3
80-84	494	286.6	261.9	313.1	8	--	--	--	486	475.9	434.5	520.2
85+	343	230.1	206.4	255.8	<5	--	--	--	341	348.4	312.4	387.4

Source: Cancer Registry of Northern California (CRNC)/ California Health Collaborative, Region 6/ CCR.

*Note: Excludes in situ cancers. ASIR = Average annual age-specific incidence rates per 100,000 by age group.

Rates based on fewer than fifteen cases are not shown. Veterans Health Administration hospitals did not report cancer cases to the California Cancer Registry (CCR) in 2005. Therefore, case counts and incidence rates for adult males in 2005 are underestimated and should be interpreted with caution (see Technical Notes of this report or www.ccrca.org/publications/VAtechnotes).

Figure 27: SEER Summary Stage of Disease at Diagnosis, Cancer Registry of Northern California, 2001-2005: Breast



Veterans Health Administration hospitals did not report cancer cases to the California Cancer Registry (CCR) in 2005. Therefore, case counts and incidence rates for adult males in 2005 are underestimated and should be interpreted with caution (see Technical Notes of this report or www.ccrca.org/publications/VAtechnotes).

BREAST (IN SITU)

Table 23: Number of New Cancer Cases, Annual Age-Adjusted Incidence Rates, and 95% Confidence Intervals (CI), by Year of Diagnosis and Sex, Cancer Registry of Northern California, 1988-2005: Breast (In Situ)

	Total				Male				Female			
	Cases	AAIR	95% CI		Cases	AAIR	95% CI		Cases	AAIR	95% CI	
1988	123	10.2	8.4	12.2	<5	--	--	--	122	19.1	15.8	23.1
1989	110	8.8	7.2	10.6	0	--	--	--	110	16.6	13.5	20.2
1990	134	10.1	8.4	12.0	0	--	--	--	134	19.1	15.9	22.8
1991	144	10.9	9.2	12.9	0	--	--	--	144	20.6	17.3	24.5
1992	142	10.2	8.6	12.1	0	--	--	--	142	19.3	16.2	22.9
1993	129	9.2	7.7	11.0	0	--	--	--	129	17.5	14.6	20.9
1994	153	10.7	9.1	12.6	0	--	--	--	153	20.4	17.2	24.0
1995	155	10.8	9.2	12.7	<5	--	--	--	152	20.2	17.0	23.7
1996	172	11.5	9.9	13.4	0	--	--	--	172	21.9	18.7	25.5
1997	189	12.6	10.9	14.5	<5	--	--	--	187	23.8	20.5	27.5
1998	208	13.4	11.6	15.3	<5	--	--	--	207	25.4	22.0	29.2
1999	218	13.7	12.0	15.7	0	--	--	--	218	25.9	22.6	29.7
2000	232	14.4	12.6	16.4	<5	--	--	--	230	26.9	23.5	30.7
2001	223	13.7	11.9	15.6	<5	--	--	--	222	26.0	22.7	29.7
2002	235	14.1	12.4	16.1	<5	--	--	--	234	26.7	23.4	30.4
2003	241	14.3	12.6	16.3	<5	--	--	--	240	27.3	24.0	31.1
2004	215	12.6	10.9	14.4	<5	--	--	--	214	23.9	20.8	27.4
2005	256	14.8	13.0	16.7	<5	--	--	--	255	27.9	24.6	31.7
2001-2005	1,170	13.9	13.1	14.7	5	--	--	--	1,165	26.4	24.9	28.0

Table 24: Number of New Cancer Cases, Average Annual Age-Adjusted Incidence Rates, and 95% CI, by Race and Sex, County and Sex (All Races), Cancer Registry of Northern California, 2001-2005: Breast (In Situ)

	Total				Male				Female			
	Cases	AAIR	95% CI		Cases	AAIR	95% CI		Cases	AAIR	95% CI	
All Races Combined	1,170	13.9	13.1	14.7	5	--	--	--	1,165	26.4	24.9	28.0
Non-Hispanic White	1,056	14.3	13.4	15.2	5	--	--	--	1,051	26.9	25.3	28.7
Non-Hispanic Black	8	--	--	--	0	--	--	--	8	--	--	--
Hispanic	71	11.5	8.8	15.1	0	--	--	--	71	23.8	18.3	30.7
Asian-Pacific Islander	21	10.0	6.1	16.0	0	--	--	--	21	18.0	11.0	28.5
Butte	161	14.2	12.1	16.7	0	--	--	--	161	26.6	22.6	31.3
Lake	42	10.4	7.4	14.3	<5	--	--	--	41	19.7	14.1	27.3
Mendocino	49	9.3	6.8	12.5	0	--	--	--	49	17.9	13.2	24.1
Napa	149	20.2	17.1	23.8	<5	--	--	--	148	38.3	32.3	45.2
Shasta	140	14.2	11.9	16.8	0	--	--	--	140	26.8	22.5	31.8
Sonoma	375	14.8	13.3	16.4	<5	--	--	--	374	27.8	25.0	30.8
Colusa/Glenn/Tehama	71	12.9	10.1	16.3	<5	--	--	--	70	24.7	19.2	31.5
Del Norte/Humboldt	121	14.8	12.3	17.7	<5	--	--	--	120	28.0	23.1	33.6
Lassen/Modoc/Plumas	25	6.7	4.3	10.3	0	--	--	--	25	14.5	9.3	22.3
Siskiyou/Trinity	37	9.2	6.4	13.2	0	--	--	--	37	17.7	12.4	25.5

Source: Cancer Registry of Northern California (CRNC)/California Health Collaborative, Region 6/CCR.

*Note: Rates based on fewer than fifteen cases are not shown. Race/ethnicity categories are mutually exclusive.

AAIR = Average annual age-adjusted incidence rates per 100,000 (2000 U.S. Standard) for the five-year period. Cases for small contiguous counties have been combined as noted. Veterans Health Administration hospitals did not report cancer cases to the California Cancer Registry (CCR) in 2005. Therefore, case counts and incidence rates for adult males in 2005 are underestimated and should be interpreted with caution (see Technical Notes of this report or www.ccrca.org/publications/VAtechnotes).

BREAST (IN SITU)

Table 25: Number of New Cancer Cases, Average Annual Age-Specific Incidence Rates and 95% CI, by Age and Sex, Cancer Registry of Northern California, 2001-2005: Breast (In Situ)

	Total				Male				Female			
	Cases	ASIR	95% CI		Cases	ASIR	95% CI		Cases	ASIR	95% CI	
00-04	0	--	--	--	0	--	--	--	0	--	--	--
05-09	0	--	--	--	0	--	--	--	0	--	--	--
10-14	0	--	--	--	0	--	--	--	0	--	--	--
15-19	0	--	--	--	0	--	--	--	0	--	--	--
20-24	<5	--	--	--	0	--	--	--	<5	--	--	--
25-29	20	4.3	2.6	6.6	0	--	--	--	20	9.2	5.6	14.3
30-34	46	10	7.4	13.4	<5	--	--	--	45	20.7	15.1	27.7
35-39	121	24.4	20.3	29.2	0	--	--	--	121	49.7	41.2	59.4
40-44	392	69.3	62.6	76.5	0	--	--	--	392	136.7	123.5	150.9
45-49	666	113.1	104.7	122	<5	--	--	--	665	220.9	204.4	238.4
50-54	878	156.1	145.9	166.7	<5	--	--	--	876	308.4	288.3	329.5
55-59	971	209.8	196.8	223.4	8	--	--	--	963	411	385.5	437.8
60-64	779	231.2	215.3	248.1	<5	--	--	--	775	446.8	415.9	479.4
65-69	754	277.7	258.2	298.3	5	--	--	--	749	528.8	491.6	568
70-74	712	292.1	271	314.3	<5	--	--	--	709	538	499.1	579.1
75-79	718	322.6	299.4	347.1	<5	--	--	--	714	567.4	526.5	610.6
80-84	565	327.8	301.4	356	8	--	--	--	557	545.4	501.1	592.7
85+	375	251.6	226.8	278.4	<5	--	--	--	373	381.1	343.4	421.8

Source: Cancer Registry of Northern California (CRNC)/ California Health Collaborative, Region 6/ CCR.

* Note: ASIR = Average annual age-specific incidence rates per 100,000 by a age group.

Rates based on fewer than fifteen cases are not shown. Veterans Health Administration hospitals did not report cancer cases to the California Cancer Registry (CCR) in 2005. Therefore, case counts and incidence rates for adult males in 2005 are underestimated and should be interpreted with caution (see Technical Notes of this report or www.ccrca.org/publications/VAtechnotes).

CERVIX

Table 26: Number of New Cancer Cases, Annual Age-Adjusted Incidence Rates, and 95% Confidence Intervals (CI), by Year of Diagnosis, Cancer Registry of Northern California, 1988-2005: Cervix

	Female			
	Cases	AAIR	95% CI	
1988	70	11.1	8.6	14.1
1989	69	10.3	8.0	13.2
1990	82	12.2	9.7	15.3
1991	70	10.3	8.0	13.1
1992	72	10.2	7.9	12.9
1993	69	9.5	7.3	12.1
1994	65	8.7	6.7	11.2
1995	74	10.3	8.0	12.9
1996	83	11.6	9.2	14.4
1997	66	8.8	6.8	11.2
1998	84	11.3	9.0	14.1
1999	68	8.8	6.8	11.2
2000	68	8.9	6.9	11.4
2001	60	8.0	6.1	10.4
2002	60	7.6	5.8	9.8
2003	69	8.7	6.8	11.1
2004	56	7.3	5.4	9.5
2005	41	5.2	3.7	7.2
2001-2005	286	7.4	6.5	8.3

Table 27: Number of New Cancer Cases, Average Annual Age-Adjusted Incidence Rates, and 95% CI, by Race and County (All Races), Cancer Registry of Northern California, 2001-2005: Cervix

	Female			
	Cases	AAIR	95% CI	
All Races Combined	286	7.4	6.5	8.3
Non-Hispanic White	235	7.3	6.4	8.3
Non-Hispanic Black	5	--	--	--
Hispanic	35	8.8	6.0	13.1
Asian-Pacific Islander	<5	--	--	--
Butte	34	6.8	4.6	9.6
Lake	15	9.5	5.3	16.3
Mendocino	15	6.8	3.7	11.6
Napa	28	8.4	5.5	12.2
Shasta	30	6.9	4.6	10.0
Sonoma	79	6.4	5.0	8.0
Colusa/Glenn/Tehama	19	6.9	4.1	10.9
Del Norte/Humboldt	41	10.7	7.6	14.6
Lassen/Modoc/Plumas	6	--	--	--
Siskiyou/Trinity	19	12.0	7.0	20.0

Source: Cancer Registry of Northern California (CRNC)/California Health Collaborative, Region 6/CCR.

*Note: Excludes in situ cancers. Rates based on fewer than fifteen cases are not shown. Race/ethnicity categories are mutually exclusive.

AAIR = Average annual age-adjusted incidence rates per 100,000 (2000 U.S. Standard) for the five-year period. Cases for small contiguous counties have been combined as noted. Veterans Health Administration hospitals did not report cancer cases to the California Cancer Registry (CCR) in 2005. Therefore, case counts and incidence rates for adult males in 2005 are underestimated and should be interpreted with caution (see Technical Notes of this report or www.ccrca.org/publications/VATechnotes).

Table 28: Number of New Cancer Cases, Average Annual Age-Specific Incidence Rates and 95% CI, by Age, Cancer Registry of Northern California, 2001-2005: Cervix

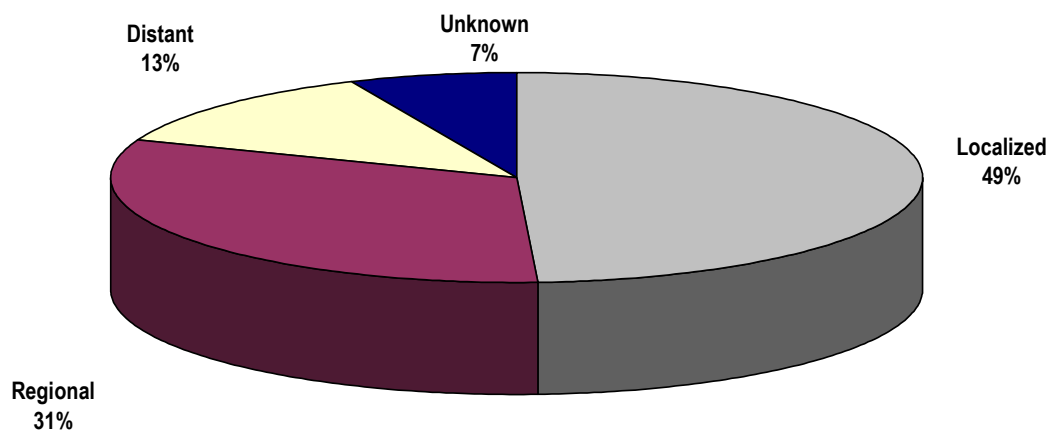
	Female			
	Cases	ASIR	95% CI	
00-04	0	--	--	--
05-09	0	--	--	--
10-14	0	--	--	--
15-19	0	--	--	--
20-24	5	--	--	--
25-29	14	--	--	--
30-34	23	10.6	6.7	15.9
35-39	36	14.8	10.4	20.5
40-44	44	15.3	11.1	20.6
45-49	34	11.3	7.8	15.8
50-54	32	11.3	7.7	15.9
55-59	25	10.7	6.9	15.8
60-64	25	14.4	9.3	21.3
65-69	12	--	--	--
70-74	9	--	--	--
75-79	13	--	--	--
80-84	<5	--	--	--
85+	10	--	--	--

Source: Cancer Registry of Northern California (CRNC)/ California Health Collaborative, Region 6/ CCR.

*Note: Excludes in situ cancers. ASIR = Average annual age-specific incidence rates per 100,000 by age group.

Rates based on fewer than fifteen cases are not shown. Veterans Health Administration hospitals did not report cancer cases to the California Cancer Registry (CCR) in 2005. Therefore, case counts and incidence rates for adult males in 2005 are underestimated and should be interpreted with caution (see Technical Notes of this report or www.ccrca.org/publications/VAtechnotes).

Figure 28: SEER Summary Stage of Disease at Diagnosis, Cancer Registry of Northern California, 2001-2005: Cervix



Veterans Health Administration hospitals did not report cancer cases to the California Cancer Registry (CCR) in 2005. Therefore, case counts and incidence rates for adult males in 2005 are underestimated and should be interpreted with caution (see Technical Notes of this report or www.ccrca.org/publications/VAtechnotes).

COLON EXCLUDING RECTUM

Table 29: Number of New Cancer Cases, Annual Age-Adjusted Incidence Rates, and 95% Confidence Intervals (CI), by Year of Diagnosis and Sex, Cancer Registry of Northern California, 1988-2005: Colon excl Rectum

	Total				Male				Female			
	Cases	AAIR	95% CI		Cases	AAIR	95% CI		Cases	AAIR	95% CI	
1988	546	41.2	37.7	44.9	282	49.0	43.3	55.4	264	35.4	31.2	40.1
1989	554	40.5	37.2	44.2	272	45.7	40.3	51.9	282	37.1	32.8	41.9
1990	578	41.4	38.1	45.0	296	48.7	43.1	54.9	282	35.7	31.6	40.3
1991	560	39.0	35.8	42.5	264	44.1	38.8	50.1	296	35.6	31.6	40.0
1992	563	38.4	35.3	41.8	278	44.3	39.1	50.0	285	33.7	29.9	38.0
1993	585	39.3	36.2	42.7	279	43.9	38.8	49.6	306	36.0	32.1	40.4
1994	533	35.2	32.2	38.3	277	42.4	37.4	47.9	256	29.5	26.0	33.5
1995	597	38.4	35.4	41.7	318	47.4	42.2	53.1	279	32.0	28.3	36.1
1996	618	39.4	36.3	42.7	312	46.3	41.2	51.8	306	34.2	30.4	38.4
1997	609	38.3	35.3	41.5	324	46.8	41.8	52.3	285	31.4	27.8	35.4
1998	577	35.7	32.8	38.8	276	39.4	34.8	44.4	301	33.1	29.4	37.2
1999	613	37.4	34.5	40.5	272	38.7	34.2	43.6	341	36.4	32.6	40.6
2000	653	39.4	36.4	42.6	330	45.3	40.5	50.5	323	34.1	30.4	38.2
2001	564	33.4	30.7	36.4	269	36.6	32.3	41.3	295	31.1	27.6	34.9
2002	605	35.4	32.6	38.4	289	38.8	34.4	43.6	316	32.8	29.2	36.7
2003	632	36.8	34.0	39.8	330	43.7	39.1	48.7	302	31.5	28.0	35.4
2004	630	35.9	33.1	38.8	279	36.1	32.0	40.7	351	35.3	31.7	39.3
2005	553	31.5	28.9	34.3	263	33.8	29.8	38.2	290	29.9	26.5	33.7
2001-2005	2,984	34.6	33.3	35.9	1,430	37.7	35.8	39.8	1,554	32.1	30.5	33.8

Table 30: Number of New Cancer Cases, Average Annual Age-Adjusted Incidence Rates, and 95% CI, by Race and Sex, County and Sex (All Races), Cancer Registry of Northern California, 2001-2005: Colon excl Rectum

	Total				Male				Female			
	Cases	AAIR	95% CI		Cases	AAIR	95% CI		Cases	AAIR	95% CI	
All Races Combined	2,984	34.6	33.3	35.9	1,430	37.7	35.8	39.8	1,554	32.1	30.5	33.8
Non-Hispanic White	2,761	35.2	33.9	36.6	1,307	38.0	36.0	40.2	1,454	33.0	31.3	34.8
Non-Hispanic Black	31	42.4	28.5	61.1	22	59.1	36.0	94.7	9	--	--	--
Hispanic	135	31.7	26.3	38.1	75	40.4	31.0	52.3	60	25.6	19.3	33.6
Asian-Pacific Islander	32	19.2	13.0	27.7	14	--	--	--	18	19.1	11.2	31.0
Butte	401	32.2	29.1	35.6	181	33.8	29.0	39.2	220	30.9	26.8	35.6
Lake	140	32.7	27.5	38.8	67	33.4	25.9	43.0	73	31.3	24.5	40.0
Mendocino	170	34.0	29.1	39.7	85	38.2	30.4	47.5	85	30.9	24.6	38.6
Napa	293	37.4	33.2	42.0	147	43.0	36.3	50.6	146	33.5	28.2	39.7
Shasta	363	34.8	31.3	38.7	175	38.0	32.5	44.2	188	32.8	28.3	38.1
Sonoma	900	36.2	33.9	38.7	405	38.7	35.0	42.8	495	34.3	31.3	37.6
Colusa/Glenn/Tehama	209	36.2	31.4	41.5	101	38.0	31.0	46.3	108	34.3	28.1	41.7
Del Norte/Humboldt	297	37.0	32.9	41.5	155	43.9	37.2	51.5	142	31.6	26.6	37.5
Lassen/Modoc/Plumas	97	27.9	22.6	34.3	55	33.1	24.8	43.9	42	23.9	17.1	33.1
Siskiyou/Trinity	114	28.1	23.2	34.2	59	30.6	23.2	40.5	55	25.5	19.1	34.3

Source: Cancer Registry of Northern California (CRNC)/California Health Collaborative, Region 6/CCR.

*Note: Excludes in situ cancers. Rates based on fewer than fifteen cases are not shown. Race/ethnicity categories are mutually exclusive.

AAIR = Average annual age-adjusted incidence rates per 100,000 (2000 U.S. Standard) for the five-year period. Cases for small contiguous counties have been combined as noted. Veterans Health Administration hospitals did not report cancer cases to the California Cancer Registry (CCR) in 2005. Therefore, case counts and incidence rates for adult males in 2005 are underestimated and should be interpreted with caution (see Technical Notes of this report or www.ccrca.org/publications/VATechnotes).

COLON EXCLUDING RECTUM

Table 31: Number of New Cancer Cases, Average Annual Age-Specific Incidence Rates and 95% CI, by Age and Sex, Cancer Registry of Northern California, 2001-2005: Colon excl Rectum

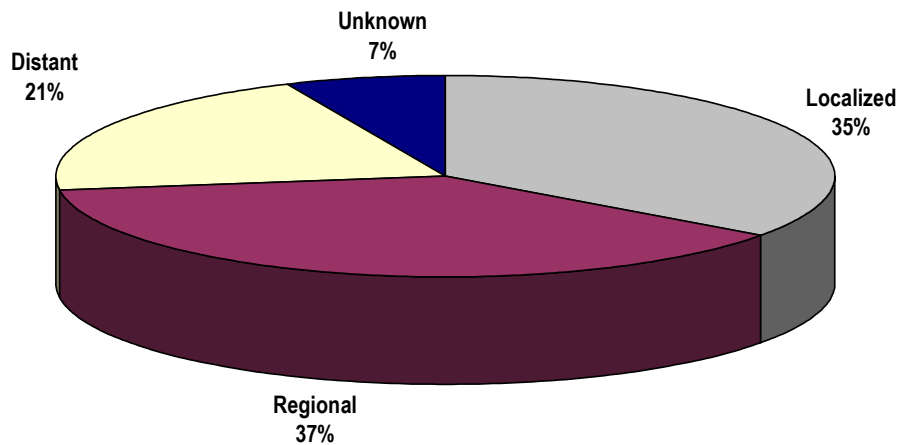
	Total				Male				Female			
	Cases	ASIR	95% CI		Cases	ASIR	95% CI		Cases	ASIR	95% CI	
00-04	0	--	--	--	0	--	--	--	0	--	--	--
05-09	0	--	--	--	0	--	--	--	0	--	--	--
10-14	0	--	--	--	0	--	--	--	0	--	--	--
15-19	<5	--	--	--	0	--	--	--	<5	--	--	--
20-24	<5	--	--	--	<5	--	--	--	0	--	--	--
25-29	6	--	--	--	<5	--	--	--	<5	--	--	--
30-34	6	--	--	--	<5	--	--	--	<5	--	--	--
35-39	19	3.8	2.3	6.0	8	--	--	--	11	--	--	--
40-44	38	6.7	4.8	9.2	18	6.5	3.8	10.2	20	7.0	4.3	10.8
45-49	75	12.7	10.0	16.0	33	11.5	7.9	16.1	42	14.0	10.1	18.9
50-54	160	28.4	24.2	33.2	80	28.7	22.8	35.7	80	28.2	22.3	35.0
55-59	182	39.3	33.8	45.5	97	42.4	34.4	51.8	85	36.3	29.0	44.9
60-64	292	86.7	77.0	97.2	171	104.6	89.5	121.5	121	69.8	57.9	83.4
65-69	319	117.5	105.0	131.1	156	120.1	102.0	140.5	163	115.1	98.1	134.2
70-74	428	175.6	159.3	193.0	215	192.0	167.2	219.4	213	161.6	140.6	184.9
75-79	468	210.3	191.6	230.2	238	246.0	215.7	279.3	230	182.8	159.9	208.0
80-84	524	304.0	278.6	331.2	239	340.3	298.6	386.3	285	279.1	247.6	313.4
85+	462	310.0	282.3	339.5	169	330.2	282.3	383.9	293	299.4	266.1	335.7

Source: Cancer Registry of Northern California (CRNC)/ California Health Collaborative, Region 6/ CCR.

*Note: Excludes in situ cancers. ASIR = Average annual age-specific incidence rates per 100,000 by age group.

Rates based on fewer than fifteen cases are not shown. Veterans Health Administration hospitals did not report cancer cases to the California Cancer Registry (CCR) in 2005. Therefore, case counts and incidence rates for adult males in 2005 are underestimated and should be interpreted with caution (see Technical Notes of this report or www.ccrca.org/publications/VAtechnotes).

Figure 29: SEER Summary Stage of Disease at Diagnosis, Cancer Registry of Northern California, 2001-2005: Colon excl Rectum



Veterans Health Administration hospitals did not report cancer cases to the California Cancer Registry (CCR) in 2005. Therefore, case counts and incidence rates for adult males in 2005 are underestimated and should be interpreted with caution (see Technical Notes of this report or www.ccrca.org/publications/VAtechnotes).

COLON & RECTUM (INVASIVE)

Table 32: Number of New Cancer Cases, Annual Age-Adjusted Incidence Rates, and 95% Confidence Intervals (CI), by Year of Diagnosis and Sex, Cancer Registry of Northern California, 1988-2005: Colon & Rectum (Invasive)

	Total				Male				Female			
	Cases	AAIR	95% CI		Cases	AAIR	95% CI		Cases	AAIR	95% CI	
1988	792	59.7	55.6	64.2	429	74.1	67.0	81.8	363	48.7	43.8	54.2
1989	793	58.3	54.2	62.6	395	66.4	59.7	73.6	398	52.7	47.6	58.4
1990	802	57.5	53.6	61.8	433	70.8	64.0	78.1	369	47.1	42.3	52.3
1991	760	53.3	49.6	57.4	387	64.4	57.9	71.5	373	45.3	40.8	50.3
1992	790	54.2	50.5	58.2	407	64.4	58.2	71.2	383	46.3	41.7	51.3
1993	796	53.4	49.7	57.3	395	61.4	55.4	68.0	401	47.5	42.9	52.5
1994	745	49.4	45.9	53.1	403	61.3	55.4	67.8	342	40.0	35.8	44.5
1995	805	52.0	48.4	55.7	437	65.0	58.9	71.6	368	42.3	38.1	47.0
1996	857	55.0	51.4	58.9	461	68.1	62.0	74.8	396	44.6	40.3	49.4
1997	850	53.7	50.1	57.4	463	66.5	60.5	73.0	387	43.3	39.1	48.0
1998	811	50.2	46.8	53.8	410	58.1	52.6	64.1	401	44.2	39.9	48.8
1999	891	54.6	51.1	58.4	422	59.0	53.5	65.0	469	51.0	46.4	56.0
2000	922	55.7	52.1	59.4	502	68.6	62.7	74.9	420	44.8	40.6	49.4
2001	822	49.0	45.7	52.5	421	57.5	52.1	63.3	401	42.6	38.5	47.1
2002	830	48.9	45.6	52.3	422	56.3	51.0	61.9	408	42.9	38.8	47.5
2003	890	51.9	48.6	55.5	464	60.8	55.4	66.7	426	44.6	40.4	49.2
2004	869	49.8	46.6	53.3	419	54.0	48.9	59.5	450	45.7	41.5	50.3
2005	784	44.9	41.8	48.2	395	50.5	45.6	55.8	389	40.3	36.4	44.7
2001-2005	4,195	48.9	47.4	50.4	2,121	55.7	53.3	58.1	2,074	43.3	41.4	45.2

Table 33: Number of New Cancer Cases, Average Annual Age-Adjusted Incidence Rates, and 95% CI, by Race and Sex, County and Sex (All Races), Cancer Registry of Northern California, 2001-2005: Colon & Rectum (Invasive)

	Total				Male				Female			
	Cases	AAIR	95% CI		Cases	AAIR	95% CI		Cases	AAIR	95% CI	
All Races Combined	4,195	48.9	47.4	50.4	2,121	55.7	53.3	58.1	2,074	43.3	41.4	45.2
Non-Hispanic White	3,864	49.7	48.2	51.4	1,939	56.5	54.0	59.1	1,925	44.2	42.2	46.3
Non-Hispanic Black	36	49.3	34.3	69.2	25	66.2	41.7	102.9	11	--	--	--
Hispanic	206	46.2	39.7	53.6	113	54.5	43.9	67.4	93	39.9	31.8	49.4
Asian-Pacific Islander	54	31.9	23.8	42.3	25	34.6	22.1	53.1	29	29.9	19.8	43.7
Butte	578	47.1	43.2	51.2	267	50.0	44.1	56.5	311	44.6	39.7	50.2
Lake	192	45.2	39.0	52.3	98	48.8	39.6	60.0	94	40.8	32.9	50.6
Mendocino	222	44.7	38.9	51.1	117	52.6	43.4	63.3	105	38.4	31.3	46.9
Napa	403	51.9	46.9	57.3	210	60.8	52.9	69.7	193	45.2	38.9	52.3
Shasta	492	47.5	43.4	51.9	252	54.4	47.9	61.8	240	42.3	37.0	48.2
Sonoma	1,253	50.4	47.6	53.3	602	56.9	52.4	61.7	651	45.3	41.8	49.0
Colusa/Glenn/Tehama	306	53.1	47.3	59.5	166	62.5	53.3	72.9	140	44.5	37.3	52.8
Del Norte/Humboldt	439	54.8	49.7	60.2	241	67.7	59.3	77.0	198	44.5	38.5	51.4
Lassen/Modoc/Plumas	138	39.3	33.0	46.8	78	45.6	35.9	57.7	60	34.1	25.9	44.7
Siskiyou/Trinity	172	42.7	36.5	50.0	90	46.8	37.5	58.5	82	38.4	30.4	48.8

Source: Cancer Registry of Northern California (CRNC)/California Health Collaborative, Region 6/CCR.

*Note: Excludes in situ cancers. Rates based on fewer than fifteen cases are not shown. Race/ethnicity categories are mutually exclusive.

AAIR = Average annual age-adjusted incidence rates per 100,000 (2000 U.S. Standard) for the five-year period. Cases for small contiguous counties have been combined as noted. Veterans Health Administration hospitals did not report cancer cases to the California Cancer Registry (CCR) in 2005. Therefore, case counts and incidence rates for adult males in 2005 are underestimated and should be interpreted with caution (see Technical Notes of this report or www.ccrca.org/publications/VATechnotes).

COLON & RECTUM (INVASIVE)

Table 34: Number of New Cancer Cases, Average Annual Age-Specific Incidence Rates and 95% CI, by Age and Sex, Cancer Registry of Northern California, 2001-2005: Colon & Rectum (Invasive)

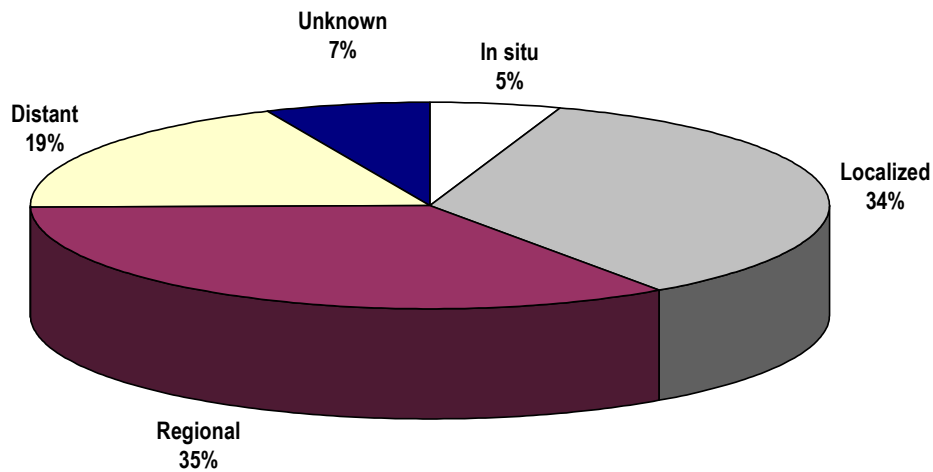
	Total				Male				Female			
	Cases	ASIR	95% CI		Cases	ASIR	95% CI		Cases	ASIR	95% CI	
00-04	0	--	--	--	0	--	--	--	0	--	--	--
05-09	0	--	--	--	0	--	--	--	0	--	--	--
10-14	0	--	--	--	0	--	--	--	0	--	--	--
15-19	<5	--	--	--	0	--	--	--	<5	--	--	--
20-24	<5	--	--	--	<5	--	--	--	0	--	--	--
25-29	7	--	--	--	<5	--	--	--	<5	--	--	--
30-34	15	3.3	1.8	5.4	7	--	--	--	8	--	--	--
35-39	36	7.3	5.1	10.1	17	6.7	3.9	10.8	19	7.8	4.7	12.2
40-44	72	12.7	10.0	16.0	35	12.6	8.7	17.5	37	12.9	9.1	17.8
45-49	141	23.9	20.2	28.2	69	24.0	18.7	30.3	72	23.9	18.7	30.1
50-54	252	44.8	39.4	50.7	136	48.8	41.0	57.8	116	40.8	33.7	49.0
55-59	287	62.0	55.0	69.6	165	72.2	61.6	84.1	122	52.1	43.2	62.2
60-64	424	125.9	114.2	138.4	263	160.9	142.1	181.6	161	92.8	79.0	108.3
65-69	490	180.5	164.8	197.2	258	198.7	175.2	224.5	232	163.8	143.4	186.3
70-74	571	234.2	215.4	254.3	301	268.8	239.3	300.9	270	204.9	181.2	230.8
75-79	640	287.5	265.7	310.7	338	349.4	313.1	388.7	302	240.0	213.7	268.6
80-84	669	388.2	359.3	418.7	312	444.3	396.4	496.4	357	349.6	314.3	387.8
85+	586	393.1	362.0	426.3	216	422.0	367.6	482.2	370	378.0	340.5	418.6

Source: Cancer Registry of Northern California (CRNC)/ California Health Collaborative, Region 6/ CCR.

*Note: Excludes in situ cancers. ASIR = Average annual age-specific incidence rates per 100,000 by age group.

Rates based on fewer than fifteen cases are not shown. Veterans Health Administration hospitals did not report cancer cases to the California Cancer Registry (CCR) in 2005. Therefore, case counts and incidence rates for adult males in 2005 are underestimated and should be interpreted with caution (see Technical Notes of this report or www.ccrca.org/publications/VAtechnotes).

Figure 30: SEER Summary Stage of Disease at Diagnosis, Cancer Registry of Northern California, 2001-2005: Colon & Rectum



Veterans Health Administration hospitals did not report cancer cases to the California Cancer Registry (CCR) in 2005. Therefore, case counts and incidence rates for adult males in 2005 are underestimated and should be interpreted with caution (see Technical Notes of this report or www.ccrca.org/publications/VAtechnotes).

COLON & RECTUM (IN SITU)

Table 35: Number of New Cancer Cases, Annual Age-Adjusted Incidence Rates, and 95% Confidence Intervals (CI), by Year of Diagnosis and Sex, Cancer Registry of Northern California, 1988-2005: Colon & Rectum (In Situ)

	Total				Male				Female			
	Cases	AAIR	95% CI		Cases	AAIR	95% CI		Cases	AAIR	95% CI	
1988	63	4.8	3.7	6.2	38	6.4	4.5	9.1	25	3.4	2.2	5.2
1989	48	3.4	2.5	4.6	30	4.9	3.3	7.3	18	2.1	1.2	3.5
1990	65	4.5	3.5	5.9	37	5.9	4.1	8.3	28	3.6	2.3	5.3
1991	54	3.7	2.8	5.0	25	3.8	2.4	5.8	29	3.7	2.5	5.5
1992	68	4.7	3.7	6.0	42	6.4	4.6	8.8	26	3.2	2.1	4.8
1993	61	4.1	3.1	5.2	35	5.0	3.5	7.2	26	3.1	2.0	4.7
1994	67	4.4	3.4	5.6	33	5.0	3.4	7.1	34	3.9	2.7	5.5
1995	45	2.9	2.1	3.9	35	5.3	3.6	7.4	10	--	--	--
1996	57	3.7	2.8	4.8	29	4.1	2.7	6.0	28	3.2	2.1	4.8
1997	46	2.9	2.1	3.9	27	3.9	2.6	5.8	19	2.1	1.3	3.4
1998	71	4.4	3.5	5.6	39	5.4	3.8	7.4	32	3.7	2.5	5.3
1999	80	4.9	3.9	6.2	53	7.4	5.5	9.7	27	3.1	2.0	4.6
2000	62	3.8	2.9	4.9	34	4.6	3.1	6.4	28	3.1	2.1	4.7
2001	52	3.1	2.3	4.1	31	4.1	2.8	5.9	21	2.3	1.4	3.6
2002	56	3.3	2.5	4.3	39	5.1	3.6	7.0	17	1.8	1.1	3.1
2003	38	2.2	1.6	3.1	19	2.4	1.4	3.8	19	2.0	1.2	3.2
2004	47	2.7	2.0	3.6	30	3.7	2.5	5.4	17	1.8	1.0	2.9
2005	37	2.0	1.4	2.8	18	2.3	1.3	3.6	19	1.9	1.1	3.1
2001-2005	230	2.7	2.3	3.0	137	3.5	2.9	4.1	93	1.9	1.6	2.4

Table 36: Number of New Cancer Cases, Average Annual Age-Adjusted Incidence Rates, and 95% CI, by Race and Sex, County and Sex (All Races), Cancer Registry of Northern California, 2001-2005: Colon & Rectum (In Situ)

	Total				Male				Female			
	Cases	AAIR	95% CI		Cases	AAIR	95% CI		Cases	AAIR	95% CI	
All Races Combined	230	2.7	2.3	3.0	137	3.5	2.9	4.1	93	1.9	1.6	2.4
Non-Hispanic White	216	2.8	2.4	3.2	129	3.7	3.1	4.4	87	2.0	1.6	2.6
Non-Hispanic Black	<5	--	--	--	<5	--	--	--	<5	--	--	--
Hispanic	5	--	--	--	<5	--	--	--	<5	--	--	--
Asian-Pacific Islander	<5	--	--	--	<5	--	--	--	<5	--	--	--
Butte	35	2.9	2.0	4.1	20	3.8	2.3	6.0	15	2.3	1.2	4.0
Lake	10	--	--	--	7	--	--	--	<5	--	--	--
Mendocino	19	3.7	2.2	6.0	9	--	--	--	10	--	--	--
Napa	13	--	--	--	6	--	--	--	7	--	--	--
Shasta	17	1.7	1.0	2.7	12	--	--	--	5	--	--	--
Sonoma	62	2.4	1.9	3.1	47	4.1	3.0	5.5	15	1.1	0.6	1.9
Colusa/Glenn/Tehama	10	1.8	0.9	3.4	5	--	--	--	5	--	--	--
Del Norte/Humboldt	34	4.2	2.9	5.9	14	--	--	--	20	4.5	2.8	7.2
Lassen/Modoc/Plumas	<5	--	--	--	<5	--	--	--	<5	--	--	--
Siskiyou/Trinity	27	6.4	4.2	9.9	15	7.4	4.1	13.3	12	--	--	--

Source: Cancer Registry of Northern California (CRNC)/California Health Collaborative, Region 6/CCR.

*Note: Rates based on fewer than fifteen cases are not shown. Race/ethnicity categories are mutually exclusive.

AAIR = Average annual age-adjusted incidence rates per 100,000 (2000 U.S. Standard) for the five-year period. Cases for small contiguous counties have been combined as noted. Veterans Health Administration hospitals did not report cancer cases to the California Cancer Registry (CCR) in 2005. Therefore, case counts and incidence rates for adult males in 2005 are underestimated and should be interpreted with caution (see Technical Notes of this report or www.ccrca.org/publications/VAtechnotes).

COLON & RECTUM (IN SITU)

Table 37: Number of New Cancer Cases, Average Annual Age-Specific Incidence Rates and 95% CI, by Age and Sex, Cancer Registry of Northern California, 2001-2005: Colon & Rectum (In Situ)

	Total				Male				Female			
	Cases	ASIR	95% CI		Cases	ASIR	95% CI		Cases	ASIR	95% CI	
00-04	0	--	--	--	0	--	--	--	0	--	--	--
05-09	0	--	--	--	0	--	--	--	0	--	--	--
10-14	0	--	--	--	0	--	--	--	0	--	--	--
15-19	<5	--	--	--	0	--	--	--	<5	--	--	--
20-24	<5	--	--	--	<5	--	--	--	<5	--	--	--
25-29	7	--	--	--	<5	--	--	--	<5	--	--	--
30-34	17	3.7	2.2	5.9	7	--	--	--	10	--	--	--
35-39	37	7.5	5.3	10.3	17	6.7	3.9	10.8	20	8.2	5	12.7
40-44	75	13.3	10.4	16.6	37	13.3	9.3	18.3	38	13.2	9.4	18.2
45-49	153	26	22	30.4	77	26.8	21.1	33.4	76	25.2	19.9	31.6
50-54	276	49.1	43.4	55.2	152	54.6	46.2	64	124	43.7	36.3	52
55-59	313	67.6	60.3	75.6	181	79.2	68.1	91.6	132	56.3	47.1	66.8
60-64	449	133.3	121.2	146.2	282	172.6	153	193.9	167	96.3	82.2	112
65-69	515	189.7	173.7	206.8	276	212.5	188.2	239.2	239	168.7	148	191.5
70-74	593	243.3	224.1	263.6	317	283.1	252.8	316	276	209.4	185.5	235.7
75-79	678	304.6	282.1	328.4	358	370	332.7	410.4	320	254.3	227.2	283.7
80-84	699	405.6	376.1	436.8	326	464.2	415.2	517.5	373	365.3	329.1	404.3
85+	608	407.9	376.1	441.7	224	437.7	382.2	498.9	384	392.3	354.1	433.6

Source: Cancer Registry of Northern California (CRNC)/ California Health Collaborative, Region 6/ CCR.

* Note: ASIR = Average annual age-specific incidence rates per 100,000 by a age group.

Rates based on fewer than fifteen cases are not shown. Veterans Health Administration hospitals did not report cancer cases to the California Cancer Registry (CCR) in 2005. Therefore, case counts and incidence rates for adult males in 2005 are underestimated and should be interpreted with caution (see Technical Notes of this report or www.ccrca.org/publications/VAtechnotes).

CORPUS & UTERUS NOS

Table 38: Number of New Cancer Cases, Annual Age-Adjusted Incidence Rates, and 95% Confidence Intervals (CI), by Year of Diagnosis, Cancer Registry of Northern California, 1988-2005: Corpus & Uterus, NOS

	Female			
	Cases	AAIR	95% CI	
1988	215	30.7	26.6	35.4
1989	164	22.2	18.9	26.1
1990	209	27.5	23.8	31.7
1991	212	27.8	24.1	32.0
1992	225	28.6	24.9	32.7
1993	208	26.1	22.6	30.0
1994	218	27.0	23.5	30.9
1995	208	25.6	22.2	29.5
1996	209	25.5	22.1	29.3
1997	228	27.2	23.7	31.1
1998	193	22.9	19.7	26.4
1999	221	25.4	22.1	29.1
2000	227	26.0	22.7	29.7
2001	231	26.2	22.9	29.9
2002	219	24.0	20.9	27.4
2003	215	23.6	20.5	27.1
2004	214	23.2	20.1	26.6
2005	229	24.8	21.7	28.4
2001-2005	1,108	24.3	22.9	25.8

Table 39: Number of New Cancer Cases, Average Annual Age-Adjusted Incidence Rates, and 95% CI, by Race and County (All Races), Cancer Registry of Northern California, 2001-2005: Corpus & Uterus, NOS

	Female			
	Cases	AAIR	95% CI	
All Races Combined	1,108	24.3	22.9	25.8
Non-Hispanic White	1,018	25.0	23.5	26.7
Non-Hispanic Black	9	--	--	--
Hispanic	48	18.7	13.5	25.4
Asian-Pacific Islander	14	12.3	6.7	21.6
Butte	169	26.6	22.7	31.2
Lake	50	25.1	18.5	33.9
Mendocino	56	20.4	15.3	26.9
Napa	101	25.0	20.3	30.7
Shasta	117	21.4	17.7	25.9
Sonoma	339	24.3	21.8	27.1
Colusa/Glenn/Tehama	64	22.3	17.1	28.6
Del Norte/Humboldt	118	27.2	22.5	32.7
Lassen/Modoc/Plumas	42	24.9	17.8	34.5
Siskiyou/Trinity	52	24.4	18.2	33.1

Source: Cancer Registry of Northern California (CRNC)/California Health Collaborative, Region 6/CCR.

*Note: Excludes in situ cancers. Rates based on fewer than fifteen cases are not shown. Race/ethnicity categories are mutually exclusive.

AAIR = Average annual age-adjusted incidence rates per 100,000 (2000 U.S. Standard) for the five-year period. Cases for small contiguous counties have been combined as noted. Veterans Health Administration hospitals did not report cancer cases to the California Cancer Registry (CCR) in 2005. Therefore, case counts and incidence rates for adult males in 2005 are underestimated and should be interpreted with caution (see Technical Notes of this report or www.ccrca.org/publications/VATechnotes).

Table 40: Number of New Cancer Cases, Average Annual Age-Specific Incidence Rates and 95% CI, by Age, Cancer Registry of Northern California, 2001-2005: Corpus & Uterus, NOS

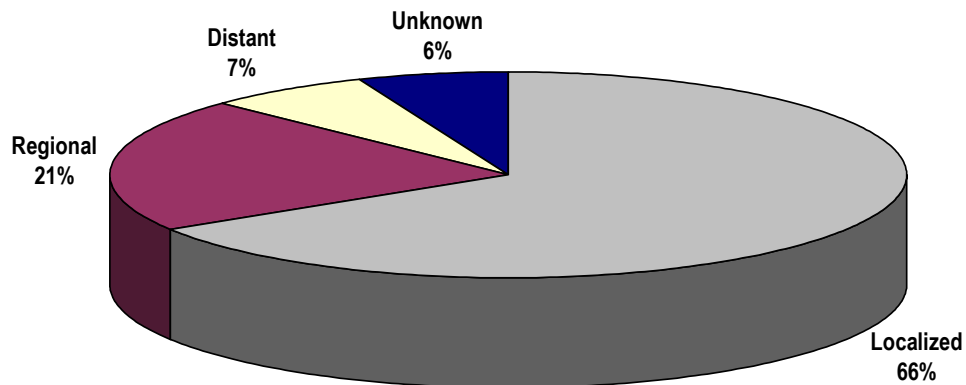
	Female			
	Cases	ASIR	95% CI	
00-04	0	--	--	--
05-09	0	--	--	--
10-14	0	--	--	--
15-19	0	--	--	--
20-24	0	--	--	--
25-29	0	--	--	--
30-34	8	--	--	--
35-39	12	--	--	--
40-44	42	14.6	10.6	19.8
45-49	62	20.6	15.8	26.4
50-54	118	41.5	34.4	49.7
55-59	174	74.3	63.6	86.2
60-64	130	74.9	62.6	89.0
65-69	139	98.1	82.5	115.9
70-74	117	88.8	73.4	106.4
75-79	121	96.2	79.8	114.9
80-84	87	85.2	68.2	105.1
85+	98	100.1	81.3	122.0

Source: Cancer Registry of Northern California (CRNC)/ California Health Collaborative, Region 6/ CCR.

*Note: Excludes in situ cancers. ASIR = Average annual age-specific incidence rates per 100,000 by age group.

Rates based on fewer than fifteen cases are not shown. Veterans Health Administration hospitals did not report cancer cases to the California Cancer Registry (CCR) in 2005. Therefore, case counts and incidence rates for adult males in 2005 are underestimated and should be interpreted with caution (see Technical Notes of this report or www.ccrca.org/publications/VAtechnotes).

Figure 31: SEER Summary Stage of Disease at Diagnosis, Cancer Registry of Northern California, 2001-2005: Corpus & Uterus, NOS



Veterans Health Administration hospitals did not report cancer cases to the California Cancer Registry (CCR) in 2005. Therefore, case counts and incidence rates for adult males in 2005 are underestimated and should be interpreted with caution (see Technical Notes of this report or www.ccrca.org/publications/VAtechnotes).

ESOPHAGUS

Table 41: Number of New Cancer Cases, Annual Age-Adjusted Incidence Rates, and 95% Confidence Intervals (CI), by Year of Diagnosis and Sex, Cancer Registry of Northern California, 1988-2005: Esophagus

	Total				Male				Female			
	Cases	AAIR	95% CI		Cases	AAIR	95% CI		Cases	AAIR	95% CI	
1988	65	4.8	3.7	6.2	48	8.3	6.1	11.3	17	2.2	1.3	3.6
1989	51	3.7	2.7	4.9	34	5.4	3.7	7.8	17	2.1	1.2	3.6
1990	49	3.4	2.5	4.6	36	5.4	3.8	7.8	13	--	--	--
1991	54	3.7	2.8	4.9	35	5.5	3.8	7.8	19	2.5	1.5	4.0
1992	74	5.2	4.1	6.6	50	8.1	6.0	10.9	24	2.8	1.8	4.4
1993	54	3.6	2.7	4.7	38	5.7	4.0	8.0	16	1.9	1.1	3.2
1994	66	4.4	3.4	5.7	52	8.0	6.0	10.6	14	--	--	--
1995	72	4.7	3.6	5.9	57	8.0	6.1	10.5	15	1.8	1.0	3.1
1996	72	4.6	3.6	5.9	53	7.7	5.7	10.1	19	2.3	1.3	3.6
1997	61	3.8	2.9	4.9	44	6.2	4.5	8.4	17	1.9	1.1	3.1
1998	74	4.6	3.6	5.9	52	7.3	5.4	9.7	22	2.6	1.6	4.0
1999	83	5.1	4.1	6.4	56	7.6	5.7	9.9	27	3.0	2.0	4.4
2000	90	5.4	4.4	6.7	63	8.6	6.6	11.0	27	2.9	1.9	4.4
2001	87	5.3	4.2	6.5	69	9.2	7.2	11.7	18	1.9	1.1	3.1
2002	96	5.7	4.6	7.0	69	9.2	7.2	11.7	27	2.8	1.9	4.2
2003	100	5.9	4.8	7.2	73	9.5	7.4	11.9	27	2.9	1.9	4.4
2004	105	6.1	5.0	7.5	81	10.5	8.3	13.1	24	2.6	1.6	4.0
2005	86	4.8	3.8	6.0	67	8.1	6.3	10.4	19	1.9	1.1	3.1
2001-2005	474	5.6	5.1	6.1	359	9.3	8.4	10.4	115	2.4	2.0	2.9

Table 42: Number of New Cancer Cases, Average Annual Age-Adjusted Incidence Rates, and 95% CI, by Race and Sex, County and Sex (All Races), Cancer Registry of Northern California, 2001-2005: Esophagus

	Total				Male				Female			
	Cases	AAIR	95% CI		Cases	AAIR	95% CI		Cases	AAIR	95% CI	
All Races Combined	474	5.6	5.1	6.1	359	9.3	8.4	10.4	115	2.4	2.0	2.9
Non-Hispanic White	448	5.9	5.3	6.4	335	9.7	8.7	10.8	113	2.6	2.2	3.2
Non-Hispanic Black	7	--	--	--	7	--	--	--	0	--	--	--
Hispanic	11	--	--	--	10	--	--	--	<5	--	--	--
Asian-Pacific Islander	<5	--	--	--	<5	--	--	--	<5	--	--	--
Butte	86	7.1	5.7	8.9	67	12.6	9.8	16.1	19	2.6	1.6	4.4
Lake	16	3.9	2.2	6.6	15	7.8	4.3	13.5	<5	--	--	--
Mendocino	33	6.6	4.6	9.5	26	11.1	7.2	16.6	7	--	--	--
Napa	47	6.3	4.6	8.4	32	9.4	6.4	13.3	15	3.7	2.0	6.3
Shasta	59	5.9	4.5	7.6	48	10.3	7.6	13.9	11	--	--	--
Sonoma	123	4.9	4.1	5.9	83	7.7	6.1	9.6	40	2.8	2.0	3.9
Colusa/Glenn/Tehama	22	3.9	2.4	5.9	16	5.9	3.3	9.7	6	--	--	--
Del Norte/Humboldt	40	5.0	3.6	6.9	32	8.8	6.0	12.6	8	--	--	--
Lassen/Modoc/Plumas	22	6.2	3.9	9.8	19	11.2	6.6	18.3	<5	--	--	--
Siskiyou/Trinity	26	6.3	4.1	9.8	21	11.0	6.8	17.8	5	--	--	--

Source: Cancer Registry of Northern California (CRNC)/California Health Collaborative, Region 6/CCR.

*Note: Excludes in situ cancers. Rates based on fewer than fifteen cases are not shown. Race/ethnicity categories are mutually exclusive.

AAIR = Average annual age-adjusted incidence rates per 100,000 (2000 U.S. Standard) for the five-year period. Cases for small contiguous counties have been combined as noted. Veterans Health Administration hospitals did not report cancer cases to the California Cancer Registry (CCR) in 2005. Therefore, case counts and incidence rates for adult males in 2005 are underestimated and should be interpreted with caution (see Technical Notes of this report or www.ccrca.org/publications/VATechnotes).

Table 43: Number of New Cancer Cases, Average Annual Age-Specific Incidence Rates and 95% CI, by Age and Sex, Cancer Registry of Northern California, 2001-2005: Esophagus

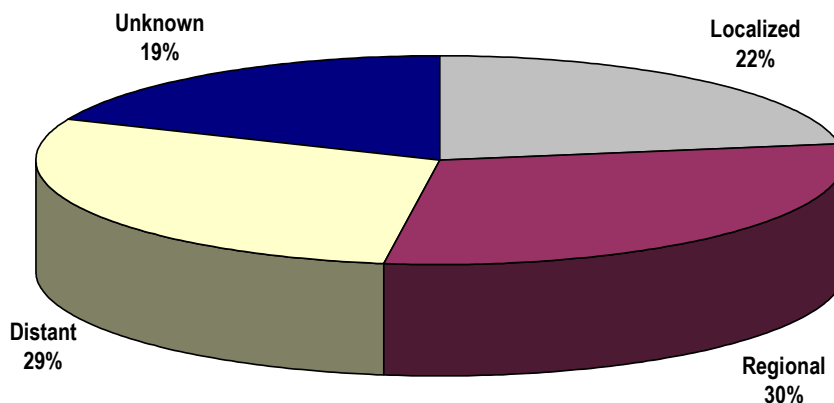
	Total				Male				Female			
	Cases	ASIR	95% CI		Cases	ASIR	95% CI		Cases	ASIR	95% CI	
00-04	0	--	--	--	0	--	--	--	0	--	--	--
05-09	0	--	--	--	0	--	--	--	0	--	--	--
10-14	0	--	--	--	0	--	--	--	0	--	--	--
15-19	0	--	--	--	0	--	--	--	0	--	--	--
20-24	0	--	--	--	0	--	--	--	0	--	--	--
25-29	0	--	--	--	0	--	--	--	0	--	--	--
30-34	0	--	--	--	0	--	--	--	0	--	--	--
35-39	<5	--	--	--	<5	--	--	--	<5	--	--	--
40-44	9	--	--	--	9	--	--	--	0	--	--	--
45-49	22	3.7	2.3	5.7	19	6.6	4.0	10.3	<5	--	--	--
50-54	33	5.9	4.0	8.2	25	9.0	5.8	13.2	8	--	--	--
55-59	42	9.1	6.5	12.3	31	13.6	9.2	19.3	11	--	--	--
60-64	62	18.4	14.1	23.6	53	32.4	24.3	42.4	9	--	--	--
65-69	66	24.3	18.8	30.9	53	40.8	30.6	53.4	13	--	--	--
70-74	60	24.6	18.8	31.7	43	38.4	27.8	51.7	17	12.9	7.5	20.7
75-79	81	36.4	28.9	45.2	60	62.0	47.3	79.8	21	16.7	10.3	25.5
80-84	54	31.3	23.5	40.9	39	55.5	39.5	75.9	15	14.7	8.2	24.2
85+	42	28.2	20.3	38.1	26	50.8	33.2	74.4	16	16.3	9.3	26.5

Source: Cancer Registry of Northern California (CRNC)/ California Health Collaborative, Region 6/ CCR.

*Note: Excludes in situ cancers. ASIR = Average annual age-specific incidence rates per 100,000 by age group.

Rates based on fewer than fifteen cases are not shown. Veterans Health Administration hospitals did not report cancer cases to the California Cancer Registry (CCR) in 2005. Therefore, case counts and incidence rates for adult males in 2005 are underestimated and should be interpreted with caution (see Technical Notes of this report or www.ccrca.org/publications/VAtechnotes).

Figure 32: SEER Summary Stage of Disease at Diagnosis, Cancer Registry of Northern California, 2001-2005: Esophagus



Veterans Health Administration hospitals did not report cancer cases to the California Cancer Registry (CCR) in 2005. Therefore, case counts and incidence rates for adult males in 2005 are underestimated and should be interpreted with caution (see Technical Notes of this report or www.ccrca.org/publications/VAtechnotes).

FEMALE GENITAL SYSTEM

Table 44: Number of New Cancer Cases, Annual Age-Adjusted Incidence Rates, and 95% Confidence Intervals (CI), by Year of Diagnosis, Cancer Registry of Northern California, 1988-2005: Female Genital System

	Female			
	Cases	AAIR	95% CI	
1988	424	61.9	56.0	68.4
1989	372	52.2	46.9	58.1
1990	427	57.8	52.3	63.8
1991	424	56.6	51.2	62.5
1992	433	57.1	51.8	63.0
1993	416	53.0	47.9	58.5
1994	430	54.5	49.4	60.0
1995	429	53.9	48.8	59.4
1996	457	56.9	51.8	62.5
1997	461	56.4	51.4	62.0
1998	455	55.4	50.4	60.8
1999	435	51.3	46.5	56.5
2000	467	54.8	49.9	60.2
2001	453	52.5	47.7	57.7
2002	436	49.2	44.6	54.1
2003	451	50.6	45.9	55.6
2004	462	51.4	46.8	56.5
2005	414	45.3	41.0	50.1
2001-2005	2,216	49.8	47.7	51.9

Table 45: Number of New Cancer Cases, Average Annual Age-Adjusted Incidence Rates, and 95% CI, by Race and County (All Races), Cancer Registry of Northern California, 2001-2005: Female Genital System

	Female			
	Cases	AAIR	95% CI	
All Races Combined	2,216	49.8	47.7	51.9
Non-Hispanic White	2,002	50.9	48.6	53.3
Non-Hispanic Black	19	55.2	33.0	87.4
Hispanic	133	45.6	37.6	55.1
Asian-Pacific Islander	27	24.8	16.2	37.0
Butte	308	50.2	44.6	56.4
Lake	111	56.5	46.2	68.9
Mendocino	137	51.0	42.7	60.8
Napa	194	49.8	42.9	57.6
Shasta	242	45.5	39.9	51.9
Sonoma	671	49.3	45.6	53.3
Colusa/Glenn/Tehama	138	47.3	39.6	56.1
Del Norte/Humboldt	240	56.6	49.6	64.5
Lassen/Modoc/Plumas	77	47.3	37.1	60.0
Siskiyou/Trinity	98	50.1	40.2	62.4

Source: Cancer Registry of Northern California (CRNC)/California Health Collaborative, Region 6/CCR.

*Note: Excludes in situ cancers. Rates based on fewer than fifteen cases are not shown. Race/ethnicity categories are mutually exclusive.

AAIR = Average annual age-adjusted incidence rates per 100,000 (2000 U.S. Standard) for the five-year period. Cases for small contiguous counties have been combined as noted. Veterans Health Administration hospitals did not report cancer cases to the California Cancer Registry (CCR) in 2005. Therefore, case counts and incidence rates for adult males in 2005 are underestimated and should be interpreted with caution (see Technical Notes of this report or www.ccrca.org/publications/VATechnotes).

Table 46: Number of New Cancer Cases, Average Annual Age-Specific Incidence Rates and 95% CI, by Age, Cancer Registry of Northern California, 2001-2005: Female Genital System

	Female			
	Cases	ASIR	95% CI	
00-04	0	--	--	--
05-09	0	--	--	--
10-14	<5	--	--	--
15-19	<5	--	--	--
20-24	9	--	--	--
25-29	18	8.3	4.9	13.2
30-34	43	19.8	14.3	26.7
35-39	62	25.5	19.5	32.6
40-44	111	38.7	31.8	46.6
45-49	158	52.5	44.6	61.3
50-54	233	82.0	71.8	93.3
55-59	306	130.6	116.4	146.1
60-64	249	143.6	126.3	162.5
65-69	226	159.5	139.4	181.8
70-74	213	161.6	140.6	184.9
75-79	231	183.6	160.7	208.8
80-84	171	167.5	143.3	194.5
85+	180	183.9	158.0	212.8

Source: Cancer Registry of Northern California (CRNC)/ California Health Collaborative, Region 6/ CCR.

*Note: Excludes in situ cancers. ASIR = Average annual age-specific incidence rates per 100,000 by age group.

Rates based on fewer than fifteen cases are not shown. Veterans Health Administration hospitals did not report cancer cases to the California Cancer Registry (CCR) in 2005. Therefore, case counts and incidence rates for adult males in 2005 are underestimated and should be interpreted with caution (see Technical Notes of this report or www.ccrca.org/publications/VAtechnotes).

HODGKIN LYMPHOMA

Table 47: Number of New Cancer Cases, Annual Age-Adjusted Incidence Rates, and 95% Confidence Intervals (CI), by Year of Diagnosis and Sex, Cancer Registry of Northern California, 1988-2005: Hodgkin Lymphoma

	Total				Male				Female			
	Cases	AAIR	95% CI		Cases	AAIR	95% CI		Cases	AAIR	95% CI	
1988	35	2.8	1.9	3.9	22	3.6	2.2	5.7	13	--	--	--
1989	38	3.0	2.1	4.1	22	3.5	2.2	5.6	16	2.4	1.3	4.0
1990	38	2.8	2.0	4.0	23	3.5	2.2	5.4	15	2.3	1.3	3.8
1991	40	2.9	2.1	4.1	20	3.1	1.9	5.0	20	2.8	1.7	4.4
1992	42	3.1	2.2	4.2	22	3.3	2.1	5.3	20	2.9	1.8	4.6
1993	37	2.7	1.9	3.7	20	2.9	1.8	4.6	17	2.4	1.4	3.9
1994	30	2.1	1.4	3.1	15	2.2	1.2	3.8	15	2.0	1.1	3.4
1995	43	3.1	2.2	4.2	23	3.3	2.1	5.1	20	2.7	1.7	4.3
1996	37	2.6	1.8	3.6	18	2.6	1.5	4.2	19	2.7	1.6	4.3
1997	41	2.9	2.1	3.9	24	3.4	2.2	5.2	17	2.3	1.4	3.8
1998	34	2.4	1.7	3.4	22	3.0	1.9	4.7	12	--	--	--
1999	36	2.4	1.7	3.3	21	2.8	1.8	4.4	15	1.9	1.1	3.3
2000	33	2.2	1.5	3.1	21	2.8	1.7	4.3	12	--	--	--
2001	54	3.6	2.7	4.7	32	4.5	3.1	6.4	22	2.9	1.8	4.4
2002	46	3.0	2.2	4.0	27	3.5	2.3	5.2	19	2.4	1.5	3.9
2003	47	3.0	2.2	4.0	26	3.3	2.2	4.9	21	2.7	1.7	4.2
2004	42	2.8	2.0	3.9	23	3.1	2.0	4.8	19	2.5	1.5	4.0
2005	38	2.5	1.7	3.4	25	3.2	2.1	4.8	13	--	--	--
2001-2005	227	3.0	2.6	3.4	133	3.5	3.0	4.2	94	2.4	2.0	3.0

Table 48: Number of New Cancer Cases, Average Annual Age-Adjusted Incidence Rates, and 95% CI, by Race and Sex, County and Sex (All Races), Cancer Registry of Northern California, 2001-2005: Hodgkin Lymphoma

	Total				Male				Female			
	Cases	AAIR	95% CI		Cases	AAIR	95% CI		Cases	AAIR	95% CI	
All Races Combined	227	3.0	2.6	3.4	133	3.5	3.0	4.2	94	2.4	2.0	3.0
Non-Hispanic White	201	3.5	3.0	4.0	118	4.3	3.5	5.1	83	2.8	2.2	3.5
Non-Hispanic Black	5	--	--	--	<5	--	--	--	<5	--	--	--
Hispanic	14	--	--	--	7	--	--	--	7	--	--	--
Asian-Pacific Islander	<5	--	--	--	0	--	--	--	<5	--	--	--
Butte	29	2.5	1.7	3.7	14	--	--	--	15	2.4	1.3	4.1
Lake	9	--	--	--	<5	--	--	--	5	--	--	--
Mendocino	11	--	--	--	6	--	--	--	5	--	--	--
Napa	14	--	--	--	14	--	--	--	0	--	--	--
Shasta	31	3.6	2.4	5.2	19	4.5	2.7	7.2	12	--	--	--
Sonoma	76	3.3	2.6	4.1	43	3.8	2.7	5.2	33	2.8	1.9	4.0
Colusa/Glenn/Tehama	9	--	--	--	<5	--	--	--	5	--	--	--
Del Norte/Humboldt	28	3.5	2.3	5.1	14	--	--	--	14	--	--	--
Lassen/Modoc/Plumas	7	--	--	--	6	--	--	--	<5	--	--	--
Siskiyou/Trinity	13	--	--	--	9	--	--	--	<5	--	--	--

Source: Cancer Registry of Northern California (CRNC)/California Health Collaborative, Region 6/CCR.

*Note: Excludes in situ cancers. Rates based on fewer than fifteen cases are not shown. Race/ethnicity categories are mutually exclusive.

AAIR = Average annual age-adjusted incidence rates per 100,000 (2000 U.S. Standard) for the five-year period. Cases for small contiguous counties have been combined as noted. Veterans Health Administration hospitals did not report cancer cases to the California Cancer Registry (CCR) in 2005. Therefore, case counts and incidence rates for adult males in 2005 are underestimated and should be interpreted with caution (see Technical Notes of this report or www.ccrca.org/publications/VATechnotes).

Table 49: Number of New Cancer Cases, Average Annual Age-Specific Incidence Rates and 95% CI, by Age and Sex, Cancer Registry of Northern California, 2001-2005: Hodgkin Lymphoma

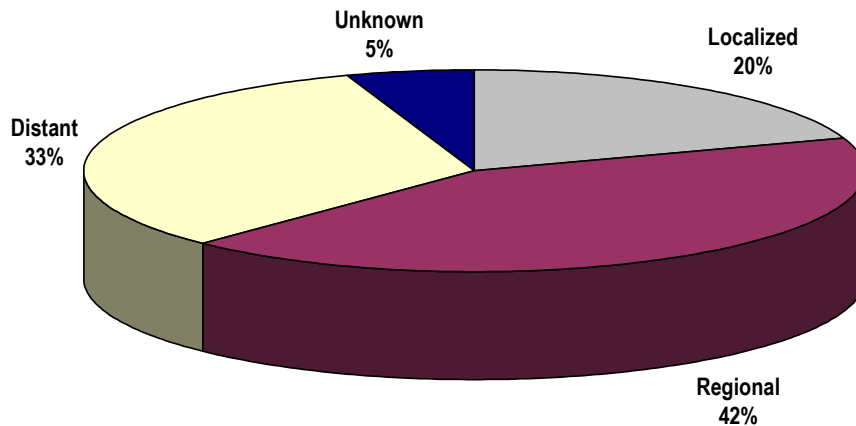
	Total				Male				Female			
	Cases	ASIR	95% CI		Cases	ASIR	95% CI		Cases	ASIR	95% CI	
00-04	<5	--	--	--	0	--	--	--	<5	--	--	--
05-09	<5	--	--	--	<5	--	--	--	0	--	--	--
10-14	6	--	--	--	<5	--	--	--	<5	--	--	--
15-19	18	3.2	1.9	5.0	10	--	--	--	8	--	--	--
20-24	26	4.5	2.9	6.6	12	--	--	--	14	--	--	--
25-29	19	4.0	2.4	6.3	12	--	--	--	7	--	--	--
30-34	24	5.2	3.4	7.8	13	--	--	--	11	--	--	--
35-39	21	4.2	2.6	6.5	15	6.0	3.3	9.8	6	--	--	--
40-44	24	4.2	2.7	6.3	18	6.5	3.8	10.2	6	--	--	--
45-49	16	2.7	1.6	4.4	8	--	--	--	8	--	--	--
50-54	10	--	--	--	6	--	--	--	<5	--	--	--
55-59	13	--	--	--	9	--	--	--	<5	--	--	--
60-64	10	--	--	--	6	--	--	--	<5	--	--	--
65-69	6	--	--	--	<5	--	--	--	<5	--	--	--
70-74	10	--	--	--	5	--	--	--	5	--	--	--
75-79	10	--	--	--	<5	--	--	--	6	--	--	--
80-84	5	--	--	--	<5	--	--	--	<5	--	--	--
85+	5	--	--	--	<5	--	--	--	<5	--	--	--

Source: Cancer Registry of Northern California (CRNC)/ California Health Collaborative, Region 6/ CCR.

*Note: Excludes in situ cancers. ASIR = Average annual age-specific incidence rates per 100,000 by age group.

Rates based on fewer than fifteen cases are not shown. Veterans Health Administration hospitals did not report cancer cases to the California Cancer Registry (CCR) in 2005. Therefore, case counts and incidence rates for adult males in 2005 are underestimated and should be interpreted with caution (see Technical Notes of this report or www.ccrca.org/publications/VAtechnotes).

Figure 33: SEER Summary Stage of Disease at Diagnosis, Cancer Registry of Northern California, 2001-2005: Hodgkin Lymphoma



Veterans Health Administration hospitals did not report cancer cases to the California Cancer Registry (CCR) in 2005. Therefore, case counts and incidence rates for adult males in 2005 are underestimated and should be interpreted with caution (see Technical Notes of this report or www.ccrca.org/publications/VAtechnotes).

KIDNEY & RENAL PELVIS

Table 50: Number of New Cancer Cases, Annual Age-Adjusted Incidence Rates, and 95% Confidence Intervals (CI), by Year of Diagnosis and Sex, Cancer Registry of Northern California, 1988-2005: Kidney & Renal Pelvis

	Total				Male				Female			
	Cases	AAIR	95% CI		Cases	AAIR	95% CI		Cases	AAIR	95% CI	
1988	120	9.4	7.8	11.4	73	12.8	10.0	16.4	47	6.5	4.7	8.8
1989	127	9.4	7.8	11.2	82	13.3	10.5	16.8	45	6.2	4.5	8.4
1990	150	11.0	9.3	13.0	89	14.7	11.7	18.3	61	8.0	6.1	10.5
1991	135	9.7	8.1	11.6	84	13.6	10.8	17.1	51	6.8	5.0	9.0
1992	143	10.0	8.4	11.9	87	13.5	10.7	16.8	56	6.9	5.2	9.0
1993	145	9.9	8.3	11.7	91	13.8	11.0	17.1	54	6.7	5.0	8.9
1994	156	10.7	9.1	12.5	90	13.9	11.2	17.2	66	8.1	6.2	10.4
1995	174	11.8	10.1	13.7	105	15.4	12.6	18.7	69	8.5	6.6	10.9
1996	189	12.4	10.7	14.3	119	17.5	14.5	21.1	70	8.4	6.5	10.8
1997	156	10.1	8.6	11.8	98	13.9	11.3	17.1	58	7.0	5.3	9.1
1998	158	10.0	8.5	11.7	105	14.6	11.9	17.7	53	6.4	4.8	8.4
1999	164	10.2	8.7	11.9	100	13.7	11.1	16.7	64	7.4	5.7	9.6
2000	176	10.8	9.3	12.6	109	14.5	11.9	17.5	67	7.5	5.8	9.7
2001	177	10.7	9.2	12.5	123	16.5	13.7	19.7	54	6.0	4.5	7.9
2002	207	12.4	10.8	14.3	135	17.8	14.9	21.1	72	8.3	6.4	10.5
2003	216	12.7	11.0	14.5	136	17.3	14.5	20.5	80	8.5	6.7	10.7
2004	199	11.6	10.0	13.3	122	15.5	12.9	18.6	77	8.1	6.4	10.3
2005	246	14.6	12.8	16.6	169	21.5	18.4	25.1	77	8.8	6.9	11.1
2001-2005	1,045	12.4	11.7	13.2	685	17.7	16.4	19.1	360	7.9	7.1	8.8

Table 51: Number of New Cancer Cases, Average Annual Age-Adjusted Incidence Rates, and 95% CI, by Race and Sex, County and Sex (All Races), Cancer Registry of Northern California, 2001-2005: Kidney & Renal Pelvis

	Total				Male				Female			
	Cases	AAIR	95% CI		Cases	AAIR	95% CI		Cases	AAIR	95% CI	
All Races Combined	1,045	12.4	11.7	13.2	685	17.7	16.4	19.1	360	7.9	7.1	8.8
Non-Hispanic White	933	12.5	11.7	13.4	611	17.8	16.4	19.4	322	8.1	7.2	9.0
Non-Hispanic Black	20	26.7	16.1	42.2	14	--	--	--	6	--	--	--
Hispanic	67	12.1	9.1	15.9	43	15.5	10.6	22.6	24	9.0	5.7	13.9
Asian-Pacific Islander	8	--	--	--	5	--	--	--	<5	--	--	--
Butte	139	12.2	10.2	14.5	85	16.4	13.1	20.4	54	8.9	6.6	11.8
Lake	55	13.4	10.1	17.8	41	21.4	15.3	29.5	14	--	--	--
Mendocino	65	13.0	10.0	16.8	42	17.8	12.8	24.4	23	8.5	5.4	13.2
Napa	96	12.5	10.1	15.4	59	17.0	12.9	22.0	37	9.1	6.4	12.8
Shasta	142	13.9	11.7	16.5	88	18.8	15.0	23.3	54	9.8	7.4	13.0
Sonoma	283	11.5	10.2	13.0	202	18.4	15.9	21.2	81	6.1	4.8	7.6
Colusa/Glenn/Tehama	82	14.5	11.5	18.1	47	18.0	13.2	24.1	35	11.5	8.0	16.3
Del Norte/Humboldt	99	12.3	10.0	15.0	63	16.9	12.9	21.8	36	8.1	5.7	11.4
Lassen/Modoc/Plumas	39	11.0	7.8	15.4	27	14.8	9.7	22.3	12	--	--	--
Siskiyou/Trinity	45	11.7	8.4	16.1	31	16.9	11.4	25.0	14	--	--	--

Source: Cancer Registry of Northern California (CRNC)/California Health Collaborative, Region 6/CCR.

*Note: Excludes in situ cancers. Rates based on fewer than fifteen cases are not shown. Race/ethnicity categories are mutually exclusive.

AAIR = Average annual age-adjusted incidence rates per 100,000 (2000 U.S. Standard) for the five-year period. Cases for small contiguous counties have been combined as noted. Veterans Health Administration hospitals did not report cancer cases to the California Cancer Registry (CCR) in 2005. Therefore, case counts and incidence rates for adult males in 2005 are underestimated and should be interpreted with caution (see Technical Notes of this report or www.ccrca.org/publications/VATechnotes).

Table 52: Number of New Cancer Cases, Average Annual Age-Specific Incidence Rates and 95% CI, by Age and Sex, Cancer Registry of Northern California, 2001-2005: Kidney & Renal Pelvis

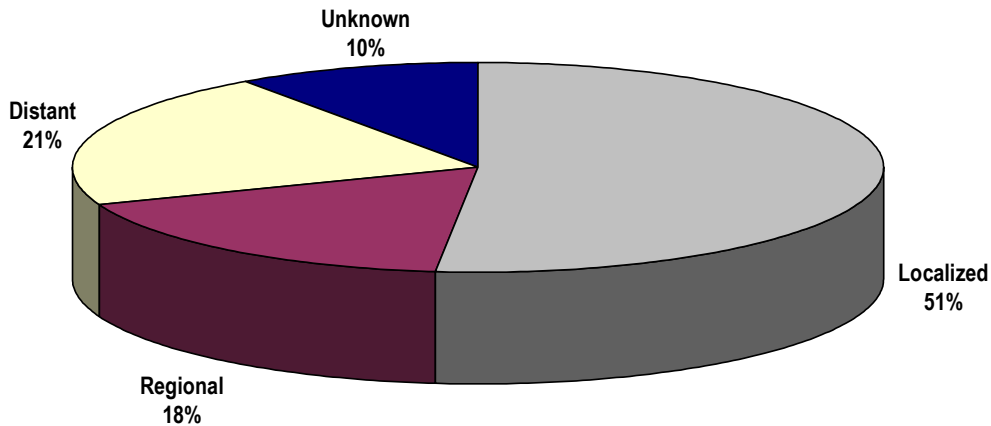
	Total				Male				Female			
	Cases	ASIR	95% CI		Cases	ASIR	95% CI		Cases	ASIR	95% CI	
00-04	18	4.1	2.5	6.5	10	--	--	--	8	--	--	--
05-09	<5	--	--	--	<5	--	--	--	<5	--	--	--
10-14	<5	--	--	--	<5	--	--	--	0	--	--	--
15-19	0	--	--	--	0	--	--	--	0	--	--	--
20-24	<5	--	--	--	<5	--	--	--	0	--	--	--
25-29	<5	--	--	--	<5	--	--	--	<5	--	--	--
30-34	6	--	--	--	<5	--	--	--	<5	--	--	--
35-39	11	--	--	--	8	--	--	--	<5	--	--	--
40-44	32	5.7	3.9	8.0	19	6.8	4.1	10.6	13	--	--	--
45-49	67	11.4	8.8	14.5	44	15.3	11.1	20.5	23	7.6	4.8	11.5
50-54	92	16.4	13.2	20.1	65	23.3	18.0	29.7	27	9.5	6.3	13.8
55-59	120	25.9	21.5	31.0	81	35.4	28.1	44.1	39	16.6	11.8	22.8
60-64	114	33.8	27.9	40.7	78	47.7	37.7	59.6	36	20.8	14.5	28.7
65-69	149	54.9	46.4	64.4	101	77.8	63.4	94.5	48	33.9	25.0	44.9
70-74	118	48.4	40.1	58.0	80	71.4	56.6	88.9	38	28.8	20.4	39.6
75-79	127	57.1	47.6	67.9	79	81.7	64.6	101.8	48	38.1	28.1	50.6
80-84	99	57.4	46.7	69.9	62	88.3	67.7	113.2	37	36.2	25.5	49.9
85+	85	57.0	45.5	70.5	49	95.7	70.8	126.6	36	36.8	25.8	50.9

Source: Cancer Registry of Northern California (CRNC)/ California Health Collaborative, Region 6/ CCR.

*Note: Excludes in situ cancers. ASIR = Average annual age-specific incidence rates per 100,000 by age group.

Rates based on fewer than fifteen cases are not shown. Veterans Health Administration hospitals did not report cancer cases to the California Cancer Registry (CCR) in 2005. Therefore, case counts and incidence rates for adult males in 2005 are underestimated and should be interpreted with caution (see Technical Notes of this report or www.ccrca.org/publications/VAtechnotes).

Figure 34: SEER Summary Stage of Disease at Diagnosis, Cancer Registry of Northern California, 2001-2005: Kidney & Renal Pelvis



Veterans Health Administration hospitals did not report cancer cases to the California Cancer Registry (CCR) in 2005. Therefore, case counts and incidence rates for adult males in 2005 are underestimated and should be interpreted with caution (see Technical Notes of this report or www.ccrca.org/publications/VAtechnotes).

LARYNX

Table 53: Number of New Cancer Cases, Annual Age-Adjusted Incidence Rates, and 95% Confidence Intervals (CI), by Year of Diagnosis and Sex, Cancer Registry of Northern California, 1988-2005: Larynx

	Total				Male				Female			
	Cases	AAIR	95% CI		Cases	AAIR	95% CI		Cases	AAIR	95% CI	
1988	77	5.7	4.5	7.3	53	8.5	6.3	11.4	24	3.4	2.2	5.3
1989	76	5.5	4.3	6.9	59	9.5	7.2	12.4	17	2.1	1.2	3.6
1990	71	5.2	4.0	6.7	57	9.0	6.8	11.9	14	--	--	--
1991	53	3.6	2.7	4.7	42	6.2	4.4	8.5	11	--	--	--
1992	71	4.9	3.8	6.2	56	8.5	6.4	11.2	15	1.9	1.0	3.2
1993	41	2.8	2.0	3.8	30	4.3	2.9	6.3	11	--	--	--
1994	83	5.5	4.4	6.9	65	9.6	7.4	12.4	18	2.2	1.3	3.6
1995	85	5.6	4.5	7.0	67	9.6	7.4	12.3	18	2.3	1.3	3.7
1996	56	3.6	2.7	4.7	44	6.2	4.5	8.4	12	--	--	--
1997	67	4.4	3.4	5.6	49	7.2	5.3	9.6	18	2.3	1.3	3.7
1998	52	3.3	2.5	4.4	37	5.2	3.6	7.2	15	1.8	1.0	3.1
1999	56	3.5	2.6	4.6	43	5.8	4.2	7.9	13	--	--	--
2000	61	3.8	2.9	4.9	49	6.5	4.8	8.7	12	--	--	--
2001	64	3.9	3.0	5.0	50	6.6	4.9	8.8	14	--	--	--
2002	60	3.6	2.8	4.7	45	5.8	4.3	7.9	15	1.8	1.0	3.0
2003	46	2.7	2.0	3.6	36	4.5	3.2	6.3	10	--	--	--
2004	70	4.1	3.2	5.2	57	7.2	5.4	9.3	13	--	--	--
2005	56	3.2	2.4	4.2	46	5.8	4.3	7.8	10	--	--	--
2001-2005	296	3.5	3.1	3.9	234	6.0	5.3	6.8	62	1.4	1.1	1.8

Table 54: Number of New Cancer Cases, Average Annual Age-Adjusted Incidence Rates, and 95% CI, by Race and Sex, County and Sex (All Races), Cancer Registry of Northern California, 2001-2005: Larynx

	Total				Male				Female			
	Cases	AAIR	95% CI		Cases	AAIR	95% CI		Cases	AAIR	95% CI	
All Races Combined	296	3.5	3.1	3.9	234	6.0	5.3	6.8	62	1.4	1.1	1.8
Non-Hispanic White	272	3.6	3.2	4.1	213	6.1	5.3	7.0	59	1.6	1.2	2.1
Non-Hispanic Black	<5	--	--	--	<5	--	--	--	<5	--	--	--
Hispanic	20	4.5	2.7	7.4	18	8.4	4.7	14.5	<5	--	--	--
Asian-Pacific Islander	0	--	--	--	0	--	--	--	0	--	--	--
Butte	43	3.6	2.6	5.0	34	6.3	4.4	9.0	9	--	--	--
Lake	33	8.1	5.6	11.7	25	12.8	8.2	19.5	8	--	--	--
Mendocino	8	--	--	--	8	--	--	--	0	--	--	--
Napa	24	3.2	2.1	4.9	18	5.3	3.1	8.5	6	--	--	--
Shasta	45	4.3	3.1	5.9	34	7.1	4.9	10.1	11	--	--	--
Sonoma	62	2.5	1.9	3.2	50	4.6	3.4	6.1	12	--	--	--
Colusa/Glenn/Tehama	27	4.7	3.1	6.9	23	8.4	5.3	12.8	<5	--	--	--
Del Norte/Humboldt	28	3.4	2.3	5.0	20	5.1	3.1	8.1	8	--	--	--
Lassen/Modoc/Plumas	10	--	--	--	10	--	--	--	0	--	--	--
Siskiyou/Trinity	16	4.4	2.4	7.7	12	--	--	--	<5	--	--	--

Source: Cancer Registry of Northern California (CRNC)/California Health Collaborative, Region 6/CCR.

*Note: Excludes in situ cancers. Rates based on fewer than fifteen cases are not shown. Race/ethnicity categories are mutually exclusive.

AAIR = Average annual age-adjusted incidence rates per 100,000 (2000 U.S. Standard) for the five-year period. Cases for small contiguous counties have been combined as noted. Veterans Health Administration hospitals did not report cancer cases to the California Cancer Registry (CCR) in 2005. Therefore, case counts and incidence rates for adult males in 2005 are underestimated and should be interpreted with caution (see Technical Notes of this report or www.ccrca.org/publications/VATechnotes).

Table 55: Number of New Cancer Cases, Average Annual Age-Specific Incidence Rates and 95% CI, by Age and Sex, Cancer Registry of Northern California, 2001-2005: Larynx

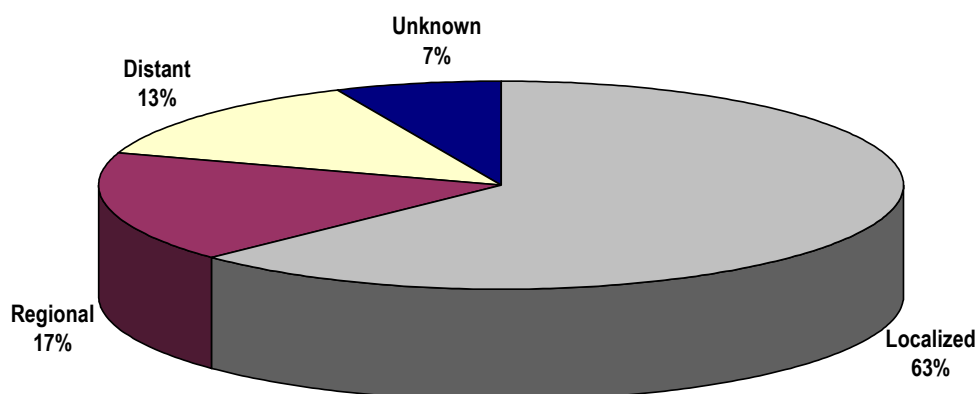
	Total				Male				Female			
	Cases	ASIR	95% CI		Cases	ASIR	95% CI		Cases	ASIR	95% CI	
00-04	0	--	--	--	0	--	--	--	0	--	--	--
05-09	0	--	--	--	0	--	--	--	0	--	--	--
10-14	0	--	--	--	0	--	--	--	0	--	--	--
15-19	0	--	--	--	0	--	--	--	0	--	--	--
20-24	0	--	--	--	0	--	--	--	0	--	--	--
25-29	<5	--	--	--	0	--	--	--	<5	--	--	--
30-34	<5	--	--	--	0	--	--	--	<5	--	--	--
35-39	<5	--	--	--	<5	--	--	--	<5	--	--	--
40-44	<5	--	--	--	<5	--	--	--	<5	--	--	--
45-49	8	--	--	--	7	--	--	--	<5	--	--	--
50-54	26	4.6	3.0	6.8	23	8.3	5.2	12.4	<5	--	--	--
55-59	38	8.2	5.8	11.3	32	14.0	9.6	19.8	6	--	--	--
60-64	37	11.0	7.7	15.1	30	18.4	12.4	26.2	7	--	--	--
65-69	45	16.6	12.1	22.2	33	25.4	17.5	35.7	12	--	--	--
70-74	46	18.9	13.8	25.2	34	30.4	21.0	42.4	12	--	--	--
75-79	43	19.3	14.0	26.0	35	36.2	25.2	50.3	8	--	--	--
80-84	25	14.5	9.4	21.4	22	31.3	19.6	47.4	<5	--	--	--
85+	19	12.7	7.7	19.9	15	29.3	16.4	48.3	<5	--	--	--

Source: Cancer Registry of Northern California (CRNC)/ California Health Collaborative, Region 6/ CCR.

*Note: Excludes in situ cancers. ASIR = Average annual age-specific incidence rates per 100,000 by age group.

Rates based on fewer than fifteen cases are not shown. Veterans Health Administration hospitals did not report cancer cases to the California Cancer Registry (CCR) in 2005. Therefore, case counts and incidence rates for adult males in 2005 are underestimated and should be interpreted with caution (see Technical Notes of this report or www.ccrca.org/publications/VAtechnotes).

Figure 35: SEER Summary Stage of Disease at Diagnosis, Cancer Registry of Northern California, 2001-2005: Larynx



Veterans Health Administration hospitals did not report cancer cases to the California Cancer Registry (CCR) in 2005. Therefore, case counts and incidence rates for adult males in 2005 are underestimated and should be interpreted with caution (see Technical Notes of this report or www.ccrca.org/publications/VAtechnotes).

LEUKEMIA

Table 56: Number of New Cancer Cases, Annual Age-Adjusted Incidence Rates, and 95% Confidence Intervals (CI), by Year of Diagnosis and Sex, Cancer Registry of Northern California, 1988-2005: Leukemia

	Total				Male				Female			
	Cases	AAIR	95% CI		Cases	AAIR	95% CI		Cases	AAIR	95% CI	
1988	153	12.0	10.1	14.1	84	14.2	11.3	17.8	69	10.1	7.8	13.0
1989	190	14.0	12.1	16.3	114	18.8	15.4	22.9	76	10.3	8.1	13.1
1990	182	13.3	11.4	15.4	95	15.2	12.2	18.8	87	11.4	9.1	14.2
1991	157	11.3	9.6	13.3	97	15.6	12.6	19.3	60	7.5	5.7	9.9
1992	161	11.1	9.5	13.0	99	15.5	12.5	19.0	62	7.9	6.0	10.3
1993	211	14.2	12.3	16.3	125	19.4	16.1	23.3	86	10.4	8.3	12.9
1994	187	12.8	11.0	14.8	105	16.4	13.3	19.9	82	10.1	8.0	12.6
1995	204	13.7	11.8	15.7	112	16.9	13.8	20.4	92	11.4	9.1	14.0
1996	174	11.4	9.7	13.2	101	15.2	12.3	18.6	73	8.6	6.7	10.9
1997	200	13.0	11.2	14.9	121	17.5	14.5	21.0	79	9.6	7.6	12.1
1998	199	12.5	10.8	14.4	103	14.3	11.7	17.5	96	10.9	8.8	13.4
1999	221	13.9	12.1	15.9	130	18.0	15.0	21.5	91	10.3	8.2	12.7
2000	209	13.0	11.3	14.9	125	17.1	14.2	20.5	84	9.6	7.7	12.1
2001	202	12.3	10.7	14.1	129	17.5	14.6	20.8	73	8.1	6.3	10.3
2002	220	13.3	11.6	15.2	132	17.7	14.8	21.1	88	9.4	7.5	11.6
2003	197	12.0	10.3	13.8	107	14.2	11.7	17.3	90	10.0	8.0	12.5
2004	217	13.0	11.3	14.9	131	17.2	14.4	20.5	86	9.6	7.6	12.0
2005	181	10.6	9.1	12.3	105	13.6	11.1	16.6	76	8.1	6.3	10.2
2001-2005	1,017	12.2	11.5	13.0	604	16.1	14.8	17.4	413	9.0	8.2	10.0

Table 57: Number of New Cancer Cases, Average Annual Age-Adjusted Incidence Rates, and 95% CI, by Race and Sex, County and Sex (All Races), Cancer Registry of Northern California, 2001-2005: Leukemia

	Total				Male				Female			
	Cases	AAIR	95% CI		Cases	AAIR	95% CI		Cases	AAIR	95% CI	
All Races Combined	1,017	12.2	11.5	13.0	604	16.1	14.8	17.4	413	9.0	8.2	10.0
Non-Hispanic White	891	12.2	11.4	13.0	530	16.1	14.8	17.6	361	8.9	7.9	9.9
Non-Hispanic Black	13	--	--	--	9	--	--	--	<5	--	--	--
Hispanic	91	15.1	11.6	19.5	53	18.0	12.4	25.9	38	12.7	8.5	18.4
Asian-Pacific Islander	7	--	--	--	5	--	--	--	<5	--	--	--
Butte	133	11.4	9.5	13.6	73	13.9	10.9	17.6	60	9.5	7.1	12.4
Lake	51	13.4	9.9	18.0	32	17.9	12.1	25.8	19	9.8	5.8	16.0
Mendocino	56	11.6	8.7	15.2	37	16.6	11.6	23.1	19	7.1	4.2	11.5
Napa	112	15.3	12.6	18.5	73	21.9	17.1	27.6	39	9.3	6.6	13.1
Shasta	111	11.3	9.3	13.7	56	12.2	9.2	16.0	55	10.4	7.8	13.8
Sonoma	293	12.2	10.8	13.7	181	17.2	14.8	20.0	112	8.2	6.7	9.9
Colusa/Glenn/Tehama	60	10.8	8.2	13.9	31	11.9	8.1	17.1	29	9.8	6.5	14.3
Del Norte/Humboldt	120	14.9	12.3	17.9	70	19.5	15.1	24.8	50	11.4	8.4	15.2
Lassen/Modoc/Plumas	35	10.2	7.1	14.6	26	16.0	10.3	24.2	9	--	--	--
Siskiyou/Trinity	46	11.6	8.4	16.0	25	13.7	8.7	21.3	21	9.7	5.9	16.0

Source: Cancer Registry of Northern California (CRNC)/California Health Collaborative, Region 6/CCR.

*Note: Excludes in situ cancers. Rates based on fewer than fifteen cases are not shown. Race/ethnicity categories are mutually exclusive.

AAIR = Average annual age-adjusted incidence rates per 100,000 (2000 U.S. Standard) for the five-year period. Cases for small contiguous counties have been combined as noted. Veterans Health Administration hospitals did not report cancer cases to the California Cancer Registry (CCR) in 2005. Therefore, case counts and incidence rates for adult males in 2005 are underestimated and should be interpreted with caution (see Technical Notes of this report or www.ccrca.org/publications/VATechnotes).

Table 58: Number of New Cancer Cases, Average Annual Age-Specific Incidence Rates and 95% CI, by Age and Sex, Cancer Registry of Northern California, 2001-2005: Leukemia

	Total				Male				Female			
	Cases	ASIR	95% CI		Cases	ASIR	95% CI		Cases	ASIR	95% CI	
00-04	27	6.2	4.1	9.0	17	7.6	4.4	12.2	10	--	--	--
05-09	19	4.1	2.5	6.4	13	--	--	--	6	--	--	--
10-14	13	2.4	1.3	4.1	5	--	--	--	8	--	--	--
15-19	15	2.6	1.5	4.3	10	--	--	--	5	--	--	--
20-24	8	--	--	--	6	--	--	--	<5	--	--	--
25-29	11	--	--	--	7	--	--	--	<5	--	--	--
30-34	6	--	--	--	<5	--	--	--	<5	--	--	--
35-39	23	4.6	2.9	7.0	14	--	--	--	9	--	--	--
40-44	29	5.1	3.4	7.4	15	5.4	3.0	8.9	14	--	--	--
45-49	36	6.1	4.3	8.5	22	7.6	4.8	11.6	14	--	--	--
50-54	43	7.6	5.5	10.3	24	8.6	5.5	12.8	19	6.7	4.0	10.4
55-59	72	15.6	12.2	19.6	41	17.9	12.9	24.3	31	13.2	9.0	18.8
60-64	88	26.1	21.0	32.2	56	34.3	25.9	44.5	32	18.4	12.6	26.0
65-69	111	40.9	33.6	49.2	76	58.5	46.1	73.3	35	24.7	17.2	34.4
70-74	110	45.1	37.1	54.4	65	58.0	44.8	74.0	45	34.1	24.9	45.7
75-79	152	68.3	57.9	80.0	97	100.3	81.3	122.3	55	43.7	32.9	56.9
80-84	132	76.6	64.1	90.8	80	113.9	90.3	141.8	52	50.9	38.0	66.8
85+	122	81.8	68.0	97.7	52	101.6	75.9	133.2	70	71.5	55.8	90.4

Source: Cancer Registry of Northern California (CRNC)/ California Health Collaborative, Region 6/ CCR.

*Note: Excludes in situ cancers. ASIR = Average annual age-specific incidence rates per 100,000 by age group.

Rates based on fewer than fifteen cases are not shown. Veterans Health Administration hospitals did not report cancer cases to the California Cancer Registry (CCR) in 2005. Therefore, case counts and incidence rates for adult males in 2005 are underestimated and should be interpreted with caution (see Technical Notes of this report or www.ccrca.org/publications/VAtechnotes).

LIVER

Table 59: Number of New Cancer Cases, Annual Age-Adjusted Incidence Rates, and 95% Confidence Intervals (CI), by Year of Diagnosis and Sex, Cancer Registry of Northern California, 1988-2005: Liver

	Total				Male				Female			
	Cases	AAIR	95% CI		Cases	AAIR	95% CI		Cases	AAIR	95% CI	
1988	32	2.5	1.7	3.6	24	4.2	2.6	6.5	8	--	--	--
1989	22	1.7	1.1	2.7	14	--	--	--	8	--	--	--
1990	25	1.8	1.1	2.7	17	2.8	1.6	4.7	8	--	--	--
1991	44	3.1	2.2	4.2	24	3.7	2.3	5.7	20	2.6	1.6	4.2
1992	44	3.1	2.3	4.3	27	4.2	2.7	6.3	17	2.1	1.2	3.5
1993	55	3.6	2.7	4.8	35	5.0	3.5	7.2	20	2.4	1.4	3.8
1994	40	2.7	1.9	3.7	32	4.6	3.1	6.6	8	--	--	--
1995	48	3.2	2.3	4.2	27	4.0	2.6	5.9	21	2.4	1.5	3.7
1996	70	4.6	3.6	5.9	45	6.6	4.8	8.9	25	3.0	1.9	4.6
1997	90	5.8	4.6	7.1	60	8.5	6.5	11.1	30	3.4	2.3	5.0
1998	80	5.1	4.0	6.4	63	8.7	6.7	11.2	17	2.0	1.1	3.3
1999	85	5.3	4.2	6.6	54	7.5	5.6	9.8	31	3.5	2.4	5.0
2000	91	5.6	4.5	6.9	64	8.4	6.4	10.7	27	3.1	2.0	4.6
2001	87	5.3	4.2	6.5	62	8.1	6.2	10.4	25	2.8	1.8	4.3
2002	88	5.4	4.3	6.6	56	7.2	5.5	9.4	32	3.7	2.5	5.3
2003	112	6.5	5.4	7.9	90	11.3	9.1	13.9	22	2.3	1.4	3.6
2004	117	6.9	5.7	8.3	86	10.5	8.4	13.1	31	3.6	2.4	5.2
2005	107	6.0	4.9	7.3	85	10.1	8.1	12.6	22	2.4	1.5	3.7
2001-2005	511	6.0	5.5	6.6	379	9.5	8.6	10.5	132	2.9	2.5	3.5

Table 60: Number of New Cancer Cases, Average Annual Age-Adjusted Incidence Rates, and 95% CI, by Race and Sex, County and Sex (All Races), Cancer Registry of Northern California, 2001-2005: Liver

	Total				Male				Female			
	Cases	AAIR	95% CI		Cases	AAIR	95% CI		Cases	AAIR	95% CI	
All Races Combined	511	6.0	5.5	6.6	379	9.5	8.6	10.5	132	2.9	2.5	3.5
Non-Hispanic White	400	5.3	4.8	5.9	293	8.4	7.4	9.4	107	2.7	2.2	3.3
Non-Hispanic Black	7	--	--	--	<5	--	--	--	<5	--	--	--
Hispanic	48	8.9	6.4	12.3	36	12.9	8.6	19.4	12	--	--	--
Asian-Pacific Islander	30	17.2	11.4	25.2	23	30.9	19.0	48.9	7	--	--	--
Butte	58	5.1	3.8	6.6	43	8.3	6.0	11.3	15	2.4	1.3	4.1
Lake	26	6.3	4.1	9.5	17	8.6	5.0	14.4	9	--	--	--
Mendocino	48	9.1	6.6	12.2	44	17.0	12.3	23.2	<5	--	--	--
Napa	39	5.4	3.8	7.4	26	7.6	5.0	11.3	13	--	--	--
Shasta	47	4.7	3.5	6.3	37	7.9	5.5	11.0	10	--	--	--
Sonoma	165	6.6	5.6	7.7	119	10.3	8.5	12.3	46	3.5	2.6	4.7
Colusa/Glenn/Tehama	34	6.3	4.3	8.8	22	8.5	5.3	13.0	12	--	--	--
Del Norte/Humboldt	57	6.8	5.2	8.9	42	10.6	7.6	14.5	15	3.4	1.9	5.8
Lassen/Modoc/Plumas	21	6.0	3.7	9.6	17	9.5	5.5	16.1	<5	--	--	--
Siskiyou/Trinity	16	3.9	2.2	6.9	12	--	--	--	<5	--	--	--

Source: Cancer Registry of Northern California (CRNC)/California Health Collaborative, Region 6/CCR.

*Note: Excludes in situ cancers. Rates based on fewer than fifteen cases are not shown. Race/ethnicity categories are mutually exclusive.

AAIR = Average annual age-adjusted incidence rates per 100,000 (2000 U.S. Standard) for the five-year period. Cases for small contiguous counties have been combined as noted. Veterans Health Administration hospitals did not report cancer cases to the California Cancer Registry (CCR) in 2005. Therefore, case counts and incidence rates for adult males in 2005 are underestimated and should be interpreted with caution (see Technical Notes of this report or www.ccrca.org/publications/VATechnotes).

Table 61: Number of New Cancer Cases, Average Annual Age-Specific Incidence Rates and 95% CI, by Age and Sex, Cancer Registry of Northern California, 2001-2005: Liver

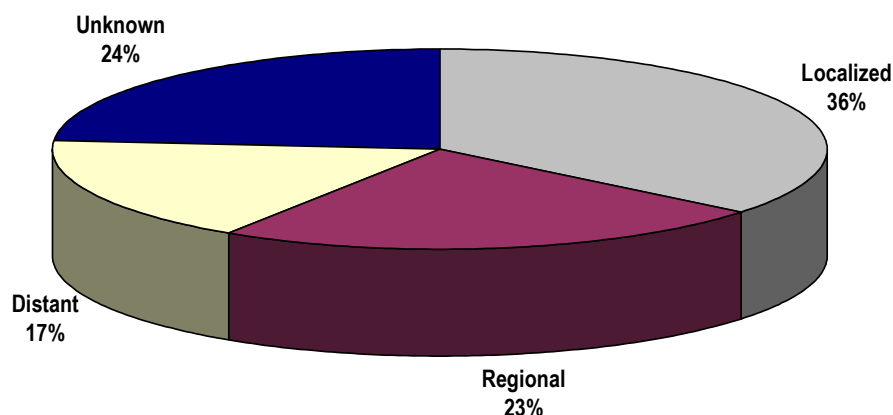
	Total				Male				Female			
	Cases	ASIR	95% CI		Cases	ASIR	95% CI		Cases	ASIR	95% CI	
00-04	<5	--	--	--	<5	--	--	--	<5	--	--	--
05-09	<5	--	--	--	<5	--	--	--	<5	--	--	--
10-14	<5	--	--	--	0	--	--	--	<5	--	--	--
15-19	<5	--	--	--	<5	--	--	--	0	--	--	--
20-24	<5	--	--	--	<5	--	--	--	<5	--	--	--
25-29	<5	--	--	--	0	--	--	--	<5	--	--	--
30-34	0	--	--	--	0	--	--	--	0	--	--	--
35-39	<5	--	--	--	<5	--	--	--	0	--	--	--
40-44	12	--	--	--	11	--	--	--	<5	--	--	--
45-49	48	8.2	6.0	10.8	42	14.6	10.5	19.7	6	--	--	--
50-54	85	15.1	12.1	18.7	71	25.5	19.9	32.2	14	--	--	--
55-59	59	12.7	9.7	16.4	54	23.6	17.8	30.8	5	--	--	--
60-64	53	15.7	11.8	20.6	41	25.1	18.0	34.0	12	--	--	--
65-69	65	23.9	18.5	30.5	40	30.8	22.0	41.9	25	17.6	11.4	26.1
70-74	63	25.8	19.9	33.1	39	34.8	24.8	47.6	24	18.2	11.7	27.1
75-79	53	23.8	17.8	31.1	35	36.2	25.2	50.3	18	14.3	8.5	22.6
80-84	30	17.4	11.7	24.8	20	28.5	17.4	44.0	10	--	--	--
85+	28	18.8	12.5	27.1	17	33.2	19.3	53.2	11	--	--	--

Source: Cancer Registry of Northern California (CRNC)/ California Health Collaborative, Region 6/ CCR.

*Note: Excludes in situ cancers. ASIR = Average annual age-specific incidence rates per 100,000 by age group.

Rates based on fewer than fifteen cases are not shown. Veterans Health Administration hospitals did not report cancer cases to the California Cancer Registry (CCR) in 2005. Therefore, case counts and incidence rates for adult males in 2005 are underestimated and should be interpreted with caution (see Technical Notes of this report or www.ccrca.org/publications/VAtechnotes).

Figure 36: SEER Summary Stage of Disease at Diagnosis, Cancer Registry of Northern California, 2001-2005: Liver



Veterans Health Administration hospitals did not report cancer cases to the California Cancer Registry (CCR) in 2005. Therefore, case counts and incidence rates for adult males in 2005 are underestimated and should be interpreted with caution (see Technical Notes of this report or www.ccrca.org/publications/VAtechnotes).

LUNG & BRONCHUS

Table 62: Number of New Cancer Cases, Annual Age-Adjusted Incidence Rates, and 95% Confidence Intervals (CI), by Year of Diagnosis and Sex, Cancer Registry of Northern California, 1988-2005: Lung & Bronchus

	Total				Male				Female			
	Cases	AAIR	95% CI		Cases	AAIR	95% CI		Cases	AAIR	95% CI	
1988	1,051	79.0	74.2	84.1	631	105.0	96.7	113.9	420	59.8	54.1	66.2
1989	1,046	75.5	70.9	80.4	626	100.4	92.4	108.9	420	56.8	51.3	62.7
1990	1,080	77.2	72.6	82.1	630	100.6	92.7	109.1	450	60.7	55.0	66.8
1991	1,161	80.2	75.6	85.1	661	102.8	94.9	111.3	500	63.7	58.1	69.8
1992	1,149	78.6	74.1	83.4	658	100.9	93.2	109.1	491	61.5	56.0	67.3
1993	1,168	77.8	73.3	82.5	626	94.3	86.9	102.2	542	66.2	60.7	72.2
1994	1,236	81.4	76.9	86.1	681	99.7	92.3	107.7	555	67.1	61.5	73.0
1995	1,202	77.6	73.3	82.2	660	95.4	88.2	103.1	542	64.1	58.7	69.9
1996	1,205	77.4	73.0	81.9	675	96.3	89.1	104.0	530	62.4	57.1	68.1
1997	1,226	77.6	73.3	82.1	656	92.7	85.7	100.2	570	66.3	60.9	72.0
1998	1,227	76.3	72.0	80.7	697	96.9	89.8	104.5	530	60.5	55.5	66.0
1999	1,251	77.0	72.7	81.4	659	90.8	83.9	98.0	592	66.8	61.5	72.5
2000	1,248	75.9	71.7	80.2	658	89.7	83.0	96.9	590	65.7	60.5	71.4
2001	1,208	72.7	68.7	77.0	621	84.2	77.7	91.1	587	65.0	59.8	70.6
2002	1,290	76.8	72.6	81.1	646	86.3	79.7	93.2	644	69.8	64.5	75.5
2003	1,173	69.0	65.1	73.1	629	82.5	76.2	89.3	544	58.5	53.7	63.7
2004	1,232	71.7	67.8	75.9	657	85.2	78.8	92.1	575	61.5	56.5	66.8
2005	1,199	69.0	65.1	73.1	622	79.9	73.7	86.5	577	60.9	56.0	66.2
2001-2005	6,102	71.8	70.0	73.6	3,175	83.6	80.7	86.6	2,927	63.1	60.8	65.4

Table 63: Number of New Cancer Cases, Average Annual Age-Adjusted Incidence Rates, and 95% CI, by Race and Sex, County and Sex (All Races), Cancer Registry of Northern California, 2001-2005: Lung & Bronchus

	Total				Male				Female			
	Cases	AAIR	95% CI		Cases	AAIR	95% CI		Cases	AAIR	95% CI	
All Races Combined	6,102	71.8	70.0	73.6	3,175	83.6	80.7	86.6	2,927	63.1	60.8	65.4
Non-Hispanic White	5,675	73.8	71.9	75.8	2,946	85.8	82.7	89.0	2,729	64.9	62.5	67.4
Non-Hispanic Black	61	85.8	65.2	111.2	44	127.9	90.9	177.2	17	49.3	28.6	80.0
Hispanic	231	53.3	46.3	61.2	107	53.8	43.4	66.5	124	54.1	44.7	65.1
Asian-Pacific Islander	59	37.0	28.0	48.3	40	62.0	43.7	86.4	19	20.1	12.0	32.1
Butte	907	75.0	70.1	80.1	466	87.7	79.9	96.2	441	65.8	59.6	72.5
Lake	426	100.8	91.4	111.1	233	118.0	103.3	134.7	193	87.0	75.1	100.8
Mendocino	327	65.4	58.5	73.1	164	71.3	60.7	83.4	163	60.7	51.6	71.1
Napa	509	67.0	61.3	73.2	280	82.5	73.1	92.8	229	55.8	48.7	63.8
Shasta	866	83.5	78.0	89.4	481	104.3	95.1	114.2	385	68.0	61.3	75.3
Sonoma	1,458	60.3	57.2	63.5	723	69.0	64.0	74.3	735	54.4	50.4	58.5
Colusa/Glenn/Tehama	474	82.1	74.8	89.9	249	94.5	83.1	107.1	225	73.0	63.7	83.4
Del Norte/Humboldt	604	75.5	69.6	81.9	292	80.8	71.7	90.8	312	71.3	63.6	79.8
Lassen/Modoc/Plumas	225	63.6	55.5	72.8	123	71.1	58.9	85.5	102	57.7	47.0	70.8
Siskiyou/Trinity	306	73.4	65.3	82.5	164	83.2	70.9	97.9	142	65.2	54.9	77.8

Source: Cancer Registry of Northern California (CRNC)/California Health Collaborative, Region 6/CCR.

*Note: Excludes in situ cancers. Rates based on fewer than fifteen cases are not shown. Race/ethnicity categories are mutually exclusive.

AAIR = Average annual age-adjusted incidence rates per 100,000 (2000 U.S. Standard) for the five-year period. Cases for small contiguous counties have been combined as noted. Veterans Health Administration hospitals did not report cancer cases to the California Cancer Registry (CCR) in 2005. Therefore, case counts and incidence rates for adult males in 2005 are underestimated and should be interpreted with caution (see Technical Notes of this report or www.ccrca.org/publications/VATechnotes).

Table 64: Number of New Cancer Cases, Average Annual Age-Specific Incidence Rates and 95% CI, by Age and Sex, Cancer Registry of Northern California, 2001-2005: Lung & Bronchus

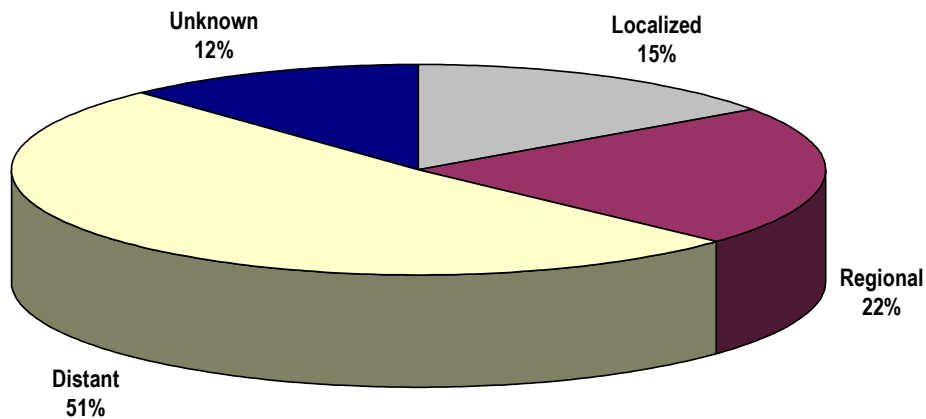
	Total				Male				Female			
	Cases	ASIR	95% CI		Cases	ASIR	95% CI		Cases	ASIR	95% CI	
00-04	0	--	--	--	0	--	--	--	0	--	--	--
05-09	0	--	--	--	0	--	--	--	0	--	--	--
10-14	0	--	--	--	0	--	--	--	0	--	--	--
15-19	0	--	--	--	0	--	--	--	0	--	--	--
20-24	<5	--	--	--	0	--	--	--	<5	--	--	--
25-29	<5	--	--	--	<5	--	--	--	<5	--	--	--
30-34	<5	--	--	--	<5	--	--	--	<5	--	--	--
35-39	26	5.2	3.4	7.7	12	--	--	--	14	--	--	--
40-44	60	10.6	8.1	13.7	31	11.1	7.6	15.8	29	10.1	6.8	14.5
45-49	151	25.6	21.7	30.1	72	25.0	19.6	31.5	79	26.2	20.8	32.7
50-54	293	52.1	46.3	58.4	151	54.2	45.9	63.6	142	50.0	42.1	58.9
55-59	493	106.5	97.3	116.4	247	108.1	95.0	122.4	246	105.0	92.3	119.0
60-64	691	205.1	190.1	221.0	357	218.4	196.4	242.3	334	192.6	172.5	214.4
65-69	897	330.4	309.1	352.7	484	372.7	340.2	407.4	413	291.6	264.1	321.1
70-74	1,044	428.3	402.7	455.0	555	495.6	455.2	538.6	489	371.1	338.9	405.5
75-79	1,099	493.8	465.0	523.8	562	580.9	533.9	631.0	537	426.7	391.4	464.4
80-84	814	472.3	440.4	505.9	436	620.9	564.0	682.0	378	370.2	333.8	409.4
85+	525	352.2	322.7	383.7	264	515.8	455.5	581.9	261	266.7	235.3	301.1

Source: Cancer Registry of Northern California (CRNC)/ California Health Collaborative, Region 6/ CCR.

*Note: Excludes in situ cancers. ASIR = Average annual age-specific incidence rates per 100,000 by age group.

Rates based on fewer than fifteen cases are not shown. Veterans Health Administration hospitals did not report cancer cases to the California Cancer Registry (CCR) in 2005. Therefore, case counts and incidence rates for adult males in 2005 are underestimated and should be interpreted with caution (see Technical Notes of this report or www.ccrca.org/publications/VAtechnotes).

Figure 37: SEER Summary Stage of Disease at Diagnosis, Cancer Registry of Northern California, 2001-2005: Lung & Bronchus



Veterans Health Administration hospitals did not report cancer cases to the California Cancer Registry (CCR) in 2005. Therefore, case counts and incidence rates for adult males in 2005 are underestimated and should be interpreted with caution (see Technical Notes of this report or www.ccrca.org/publications/VAtechnotes).

MALE GENITAL SYSTEM

Table 65: Number of New Cancer Cases, Annual Age-Adjusted Incidence Rates, and 95% Confidence Intervals (CI), by Year of Diagnosis, Cancer Registry of Northern California, 1988-2005: Male Genital System

	Male			
	Cases	AAIR	95% CI	
1988	771	129.2	119.9	139.2
1989	751	123.0	114.1	132.6
1990	924	148.0	138.3	158.3
1991	1,149	178.4	167.9	189.5
1992	1,323	198.8	188.0	210.2
1993	1,323	196.8	186.1	208.0
1994	1,112	164.7	155.0	174.9
1995	1,037	150.7	141.5	160.3
1996	1,074	153.5	144.4	163.1
1997	1,142	160.9	151.6	170.6
1998	1,116	155.1	146.0	164.5
1999	1,201	165.0	155.8	174.7
2000	1,228	166.2	157.0	175.9
2001	1,195	159.8	150.8	169.2
2002	1,202	158.3	149.4	167.6
2003	1,175	151.4	142.9	160.4
2004	1,164	148.0	139.5	156.8
2005	1,127	141.9	133.7	150.6
2001-2005	5,863	151.8	147.9	155.7

Table 66: Number of New Cancer Cases, Average Annual Age-Adjusted Incidence Rates, and 95% CI, by Race and County (All Races), Cancer Registry of Northern California, 2001-2005: Male Genital System

	Male			
	Cases	AAIR	95% CI	
All Races Combined	5,863	151.8	147.9	155.7
Non-Hispanic White	5,326	154.3	150.1	158.5
Non-Hispanic Black	86	237.9	188.2	299.1
Hispanic	299	138.3	121.9	156.9
Asian-Pacific Islander	44	64.9	46.6	89.1
Butte	951	179.0	167.8	190.9
Lake	252	126.7	111.4	143.8
Mendocino	274	115.2	101.8	130.1
Napa	523	152.1	139.2	165.8
Shasta	866	184.0	171.9	196.8
Sonoma	1,530	141.4	134.3	148.7
Colusa/Glenn/Tehama	422	157.7	142.9	173.6
Del Norte/Humboldt	561	154.6	141.9	168.2
Lassen/Modoc/Plumas	226	129.5	112.8	148.3
Siskiyou/Trinity	258	132.2	116.4	150.4

Source: Cancer Registry of Northern California (CRNC)/California Health Collaborative, Region 6/CCR.

*Note: Excludes in situ cancers. Rates based on fewer than fifteen cases are not shown. Race/ethnicity categories are mutually exclusive.

AAIR = Average annual age-adjusted incidence rates per 100,000 (2000 U.S. Standard) for the five-year period. Cases for small contiguous counties have been combined as noted. Veterans Health Administration hospitals did not report cancer cases to the California Cancer Registry (CCR) in 2005. Therefore, case counts and incidence rates for adult males in 2005 are underestimated and should be interpreted with caution (see Technical Notes of this report or www.ccrca.org/publications/VATechnotes).

Table 67: Number of New Cancer Cases, Average Annual Age-Specific Incidence Rates and 95% CI, by Age, Cancer Registry of Northern California, 2001-2005: Male Genital System

	Male			
	Cases	ASIR	95% CI	
00-04	0	--	--	--
05-09	0	--	--	--
10-14	<5	--	--	--
15-19	14	--	--	--
20-24	19	6.2	3.8	9.7
25-29	27	10.7	7.0	15.5
30-34	42	17.5	12.6	23.6
35-39	28	11.1	7.4	16.1
40-44	51	18.3	13.6	24.1
45-49	93	32.3	26.1	39.6
50-54	344	123.5	110.8	137.3
55-59	679	297.1	275.2	320.3
60-64	835	510.9	476.9	546.8
65-69	1,068	822.4	773.8	873.3
70-74	983	877.7	823.7	934.4
75-79	778	804.2	748.6	862.7
80-84	551	784.6	720.5	853.0
85+	350	683.8	614.1	759.4

Source: Cancer Registry of Northern California (CRNC)/ California Health Collaborative, Region 6/ CCR.

*Note: Excludes in situ cancers. ASIR = Average annual age-specific incidence rates per 100,000 by age group.

Rates based on fewer than fifteen cases are not shown. Veterans Health Administration hospitals did not report cancer cases to the California Cancer Registry (CCR) in 2005. Therefore, case counts and incidence rates for adult males in 2005 are underestimated and should be interpreted with caution (see Technical Notes of this report or www.ccrca.org/publications/VAtechnotes).

MELANOMAS OF THE SKIN (INVASIVE)

Table 68: Number of New Cancer Cases, Annual Age-Adjusted Incidence Rates, and 95% Confidence Intervals (CI), by Year of Diagnosis and Sex, Cancer Registry of Northern California, 1988-2005: Melanoma of the Skin (Invasive)

	Total				Male				Female			
	Cases	AAIR	95% CI		Cases	AAIR	95% CI		Cases	AAIR	95% CI	
1988	128	10.2	8.5	12.3	71	12.1	9.4	15.5	57	9.1	6.8	11.9
1989	175	14.0	12.0	16.3	108	18.9	15.4	23.0	67	9.8	7.5	12.6
1990	161	12.4	10.5	14.5	93	15.6	12.5	19.3	68	10.4	8.0	13.3
1991	197	14.6	12.6	16.9	114	18.1	14.9	22.0	83	11.8	9.3	14.7
1992	170	12.4	10.6	14.5	92	14.6	11.7	18.1	78	11.1	8.8	14.0
1993	188	13.2	11.4	15.3	109	16.2	13.3	19.7	79	10.6	8.3	13.3
1994	200	14.2	12.3	16.4	113	17.3	14.2	20.9	87	12.0	9.6	14.9
1995	275	19.2	17.0	21.6	159	23.8	20.2	27.9	116	15.7	12.9	18.9
1996	251	17.1	15.0	19.4	143	20.6	17.3	24.4	108	14.4	11.8	17.5
1997	283	19.0	16.8	21.3	159	22.6	19.2	26.5	124	16.3	13.5	19.5
1998	303	19.7	17.6	22.1	191	26.7	23.0	30.9	112	14.4	11.8	17.4
1999	299	19.1	17.0	21.4	193	26.4	22.8	30.4	106	13.2	10.8	16.0
2000	318	20.0	17.9	22.4	185	24.7	21.3	28.6	133	16.1	13.5	19.2
2001	336	20.7	18.5	23.0	204	27.0	23.4	31.1	132	15.8	13.2	18.8
2002	333	20.4	18.2	22.7	201	26.1	22.6	30.1	132	15.9	13.2	18.9
2003	360	21.5	19.3	23.9	196	25.1	21.7	29.0	164	19.0	16.1	22.2
2004	378	22.5	20.3	24.9	205	26.3	22.8	30.3	173	19.6	16.7	22.9
2005	393	23.2	21.0	25.7	234	29.3	25.6	33.4	159	18.6	15.8	21.9
2001-2005	1,800	21.6	20.6	22.7	1,040	26.8	25.2	28.5	760	17.8	16.5	19.1

Table 69: Number of New Cancer Cases, Average Annual Age-Adjusted Incidence Rates, and 95% CI, by Race and Sex, County and Sex (All Races), Cancer Registry of Northern California, 2001-2005: Melanoma of the Skin (Invasive)

	Total				Male				Female			
	Cases	AAIR	95% CI		Cases	AAIR	95% CI		Cases	AAIR	95% CI	
All Races Combined	1,800	21.6	20.6	22.7	1,040	26.8	25.2	28.5	760	17.8	16.5	19.1
Non-Hispanic White	1,704	23.8	22.6	25.0	989	29.2	27.4	31.2	715	19.6	18.1	21.1
Non-Hispanic Black	0	--	--	--	0	--	--	--	0	--	--	--
Hispanic	40	6.5	4.4	9.5	20	6.9	3.8	12.4	20	6.4	3.8	10.7
Asian-Pacific Islander	<5	--	--	--	<5	--	--	--	<5	--	--	--
Butte	224	19.2	16.8	22.0	135	25.5	21.4	30.3	89	14.8	11.8	18.4
Lake	64	16.4	12.5	21.2	34	18.0	12.4	25.7	30	14.9	9.9	22.1
Mendocino	130	26.1	21.7	31.2	71	31.1	24.1	39.5	59	23.4	17.7	30.7
Napa	139	18.9	15.9	22.4	86	25.1	20.1	31.1	53	14.1	10.5	18.6
Shasta	264	26.8	23.7	30.4	152	33.0	27.9	38.8	112	21.9	17.9	26.6
Sonoma	575	23.2	21.3	25.2	322	28.6	25.5	32.0	253	19.3	16.9	21.9
Colusa/Glenn/Tehama	100	18.4	14.9	22.4	58	21.9	16.6	28.5	42	15.4	11.1	21.0
Del Norte/Humboldt	143	17.7	14.9	21.0	88	23.0	18.4	28.5	55	13.8	10.4	18.2
Lassen/Modoc/Plumas	67	18.9	14.6	24.3	46	24.5	17.9	33.5	21	12.7	7.8	20.4
Siskiyou/Trinity	94	24.5	19.7	30.5	48	25.1	18.4	34.3	46	23.7	17.2	32.7

Source: Cancer Registry of Northern California (CRNC)/California Health Collaborative, Region 6/CCR.

*Note: Excludes in situ cancers. Rates based on fewer than fifteen cases are not shown. Race/ethnicity categories are mutually exclusive.

AAIR = Average annual age-adjusted incidence rates per 100,000 (2000 U.S. Standard) for the five-year period. Cases for small contiguous counties have been combined as noted. Veterans Health Administration hospitals did not report cancer cases to the California Cancer Registry (CCR) in 2005. Therefore, case counts and incidence rates for adult males in 2005 are underestimated and should be interpreted with caution (see Technical Notes of this report or www.ccrca.org/publications/VATechnotes).

MELANOMAS OF THE SKIN (INVASIVE)

Table 70: Number of New Cancer Cases, Average Annual Age-Specific Incidence Rates and 95% CI, by Age and Sex, Cancer Registry of Northern California, 2001-2005: Melanoma of the Skin (Invasive)

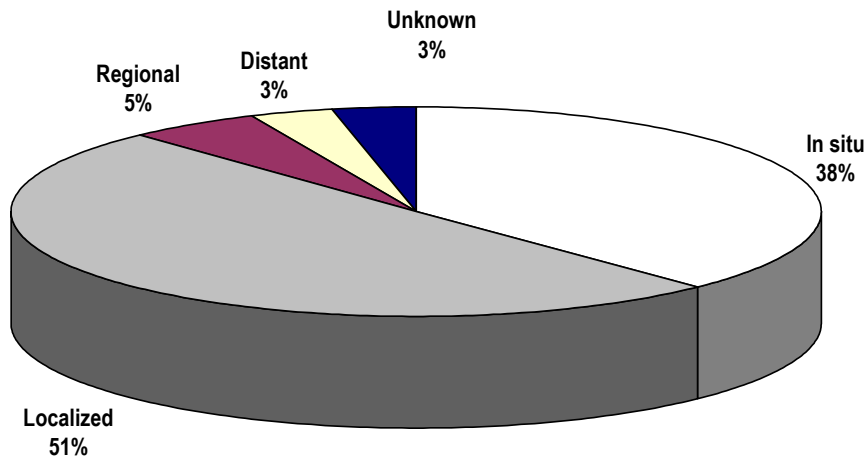
	Total			Male			Female		
	Cases	ASIR	95% CI	Cases	ASIR	95% CI	Cases	ASIR	95% CI
00-04	0	--	--	0	--	--	0	--	--
05-09	<5	--	--	<5	--	--	<5	--	--
10-14	<5	--	--	<5	--	--	0	--	--
15-19	14	--	--	9	--	--	5	--	--
20-24	17	2.9	1.7	5	--	--	12	--	--
25-29	26	5.5	3.6	7	--	--	19	8.8	5.3
30-34	45	9.8	7.2	13	--	--	32	14.7	10.1
35-39	64	12.9	9.9	30	11.9	8.0	34	14.0	9.7
40-44	94	16.6	13.4	40	14.4	10.3	54	18.8	14.1
45-49	134	22.8	19.1	76	26.4	20.8	58	19.3	14.6
50-54	223	39.6	34.6	130	46.7	39.0	93	32.7	26.4
55-59	218	47.1	41.1	125	54.7	45.5	93	39.7	32.0
60-64	184	54.6	47.0	105	64.2	52.5	79	45.5	36.1
65-69	161	59.3	50.5	103	79.3	64.7	58	40.9	31.1
70-74	182	74.7	64.2	117	104.5	86.4	65	49.3	38.1
75-79	177	79.5	68.2	120	124.0	102.8	57	45.3	34.3
80-84	151	87.6	74.2	95	135.3	109.5	56	54.8	41.4
85+	106	71.1	58.2	63	123.1	94.6	43	43.9	31.8

Source: Cancer Registry of Northern California (CRNC)/ California Health Collaborative, Region 6/ CCR.

*Note: Excludes in situ cancers. ASIR = Average annual age-specific incidence rates per 100,000 by age group.

Rates based on fewer than fifteen cases are not shown. Veterans Health Administration hospitals did not report cancer cases to the California Cancer Registry (CCR) in 2005. Therefore, case counts and incidence rates for adult males in 2005 are underestimated and should be interpreted with caution (see Technical Notes of this report or www.ccrca.org/publications/VAtechnotes).

Figure 38: SEER Summary Stage of Disease at Diagnosis, Cancer Registry of Northern California, 2001-2005: Melanoma of the Skin



Veterans Health Administration hospitals did not report cancer cases to the California Cancer Registry (CCR) in 2005. Therefore, case counts and incidence rates for adult males in 2005 are underestimated and should be interpreted with caution (see Technical Notes of this report or www.ccrca.org/publications/VAtechnotes).

MELANOMAS OF THE SKIN (*IN SITU*)

Table 71: Number of New Cancer Cases, Annual Age-Adjusted Incidence Rates, and 95% Confidence Intervals (CI), by Year of Diagnosis and Sex, Cancer Registry of Northern California, 1988-2005: Melanoma of the Skin (In Situ)

	Total				Male				Female			
	Cases	AAIR	95% CI		Cases	AAIR	95% CI		Cases	AAIR	95% CI	
1988	34	2.6	1.8	3.7	20	3.4	2.0	5.5	14	--	--	--
1989	37	2.8	2.0	3.9	24	4.0	2.5	6.3	13	--	--	--
1990	43	3.3	2.4	4.5	24	3.9	2.4	6.0	19	2.9	1.7	4.6
1991	60	4.2	3.2	5.4	32	4.8	3.2	6.9	28	3.8	2.5	5.6
1992	64	4.5	3.4	5.7	37	5.6	4.0	8.0	27	3.7	2.4	5.5
1993	97	6.6	5.4	8.1	56	8.7	6.5	11.5	41	5.3	3.8	7.3
1994	104	7.2	5.9	8.8	59	8.9	6.7	11.6	45	6.2	4.5	8.4
1995	116	8.0	6.6	9.6	64	9.7	7.4	12.5	52	7.0	5.2	9.2
1996	138	9.4	7.8	11.1	67	9.8	7.6	12.6	71	9.3	7.2	11.8
1997	164	10.7	9.1	12.5	97	13.7	11.1	16.8	67	8.6	6.7	11.0
1998	173	11.1	9.5	12.9	108	15.2	12.4	18.4	65	8.3	6.4	10.6
1999	197	12.5	10.8	14.4	111	15.2	12.5	18.4	86	10.7	8.5	13.3
2000	230	14.2	12.4	16.2	124	17.0	14.1	20.3	106	12.3	10.0	14.9
2001	220	13.6	11.8	15.5	125	16.9	14.0	20.2	95	11.3	9.1	13.9
2002	227	13.6	11.9	15.5	118	15.4	12.7	18.5	109	12.4	10.2	15.1
2003	175	10.4	8.9	12.1	100	12.9	10.5	15.8	75	8.6	6.8	10.9
2004	197	11.5	9.9	13.2	114	14.5	11.9	17.5	83	9.2	7.3	11.5
2005	270	15.7	13.8	17.7	145	18.1	15.3	21.4	125	14.3	11.8	17.1
2001-2005	1,089	13.0	12.2	13.8	602	15.6	14.4	16.9	487	11.2	10.2	12.2

Table 72: Number of New Cancer Cases, Average Annual Age-Adjusted Incidence Rates, and 95% CI, by Race and Sex, County and Sex (All Races), Cancer Registry of Northern California, 2001-2005: Melanoma of the Skin (In Situ)

	Total				Male				Female			
	Cases	AAIR	95% CI		Cases	AAIR	95% CI		Cases	AAIR	95% CI	
All Races Combined	1,089	13.0	12.2	13.8	602	15.6	14.4	16.9	487	11.2	10.2	12.2
Non-Hispanic White	1,022	13.8	13.0	14.7	572	16.6	15.3	18.1	450	11.9	10.8	13.1
Non-Hispanic Black	0	--	--	--	0	--	--	--	0	--	--	--
Hispanic	22	4.7	2.8	7.5	7	--	--	--	15	5.8	3.1	10.1
Asian-Pacific Islander	<5	--	--	--	0	--	--	--	<5	--	--	--
Butte	166	14.0	11.9	16.4	86	15.8	12.6	19.7	80	13.4	10.5	16.9
Lake	38	9.5	6.7	13.3	23	12.5	7.9	19.3	15	7.1	4.0	12.5
Mendocino	85	16.9	13.5	21.1	48	20.4	15.0	27.4	37	14.4	10.0	20.2
Napa	92	12.4	9.9	15.2	55	15.9	12.0	20.8	37	9.7	6.8	13.6
Shasta	99	9.8	7.9	11.9	64	13.4	10.3	17.2	35	6.6	4.6	9.4
Sonoma	394	16.0	14.4	17.7	203	18.8	16.3	21.7	191	14.4	12.4	16.6
Colusa/Glenn/Tehama	77	13.9	11.0	17.5	42	15.8	11.4	21.5	35	12.6	8.7	17.8
Del Norte/Humboldt	57	7.1	5.4	9.3	25	6.7	4.3	10.0	32	8.0	5.4	11.4
Lassen/Modoc/Plumas	21	5.9	3.6	9.4	12	--	--	--	9	--	--	--
Siskiyou/Trinity	60	14.8	11.3	19.6	44	22.2	16.0	30.7	16	8.0	4.5	14.2

Source: Cancer Registry of Northern California (CRNC)/California Health Collaborative, Region 6/CCR.

*Note: Rates based on fewer than fifteen cases are not shown. Race/ethnicity categories are mutually exclusive.

AAIR = Average annual age-adjusted incidence rates per 100,000 (2000 U.S. Standard) for the five-year period. Cases for small contiguous counties have been combined as noted. Veterans Health Administration hospitals did not report cancer cases to the California Cancer Registry (CCR) in 2005. Therefore, case counts and incidence rates for adult males in 2005 are underestimated and should be interpreted with caution (see Technical Notes of this report or www.ccrca.org/publications/VATechnotes).

MELANOMAS OF THE SKIN (IN SITU)

Table 73: Number of New Cancer Cases, Average Annual Age-Specific Incidence Rates and 95% CI, by Age and Sex, Cancer Registry of Northern California, 2001-2005: Melanoma of the Skin (In Situ)

	Total				Male				Female			
	Cases	ASIR	95% CI		Cases	ASIR	95% CI		Cases	ASIR	95% CI	
00-04	0	--	--	--	0	--	--	--	0	--	--	--
05-09	<5	--	--	--	<5	--	--	--	<5	--	--	--
10-14	<5	--	--	--	<5	--	--	--	<5	--	--	--
15-19	15	2.6	1.5	4.3	9	--	--	--	6	--	--	--
20-24	31	5.3	3.6	7.6	7	--	--	--	24	8.7	5.6	12.9
25-29	34	7.2	5	10.1	10	--	--	--	24	11.1	7.1	16.5
30-34	58	12.7	9.6	16.4	18	7.5	4.4	11.8	40	18.4	13.2	25.1
35-39	90	18.2	14.6	22.3	35	13.9	9.7	19.3	55	22.6	17	29.4
40-44	136	24.1	20.2	28.4	53	19	14.2	24.9	83	28.9	23	35.9
45-49	209	35.5	30.8	40.6	102	35.4	28.9	43	107	35.5	29.1	43
50-54	311	55.3	49.3	61.8	171	61.4	52.5	71.3	140	49.3	41.5	58.2
55-59	348	75.2	67.5	83.5	198	86.6	75	99.6	150	64	54.2	75.1
60-64	292	86.7	77	97.2	177	108.3	92.9	125.5	115	66.3	54.7	79.6
65-69	286	105.3	93.5	118.3	179	137.8	118.4	159.6	107	75.5	61.9	91.3
70-74	306	125.5	111.9	140.4	192	171.4	148	197.5	114	86.5	71.4	103.9
75-79	327	146.9	131.4	163.7	211	218.1	189.7	249.6	116	92.2	76.2	110.6
80-84	252	146.2	128.7	165.4	168	239.2	204.4	278.3	84	82.3	65.6	101.8
85+	189	126.8	109.4	146.2	110	214.9	176.6	259	79	80.7	63.9	100.6

Source: Cancer Registry of Northern California (CRNC)/ California Health Collaborative, Region 6/ CCR.

* Note: ASIR = Average annual age-specific incidence rates per 100,000 by age group.

Rates based on fewer than fifteen cases are not shown. Veterans Health Administration hospitals did not report cancer cases to the California Cancer Registry (CCR) in 2005. Therefore, case counts and incidence rates for adult males in 2005 are underestimated and should be interpreted with caution (see Technical Notes of this report or www.ccrca.org/publications/VAtechnotes).

MYELOMA

Table 74: Number of New Cancer Cases, Annual Age-Adjusted Incidence Rates, and 95% Confidence Intervals (CI), by Year of Diagnosis and Sex, Cancer Registry of Northern California, 1988-2005: Myeloma

	Total				Male				Female			
	Cases	AAIR	95% CI		Cases	AAIR	95% CI		Cases	AAIR	95% CI	
1988	59	4.5	3.4	5.9	40	6.9	4.8	9.6	19	2.7	1.6	4.5
1989	60	4.6	3.5	6.0	37	6.4	4.5	9.1	23	2.9	1.8	4.6
1990	74	5.3	4.1	6.7	38	6.6	4.6	9.3	36	4.5	3.1	6.4
1991	73	5.2	4.1	6.6	34	5.8	4.0	8.3	39	5.0	3.5	6.9
1992	64	4.4	3.4	5.7	30	4.8	3.2	7.1	34	4.0	2.7	5.7
1993	94	6.4	5.2	7.9	53	8.3	6.2	11.1	41	5.1	3.6	7.0
1994	94	6.2	5.0	7.6	42	6.5	4.7	8.9	52	6.0	4.4	7.9
1995	79	5.1	4.0	6.4	44	6.5	4.7	8.9	35	4.1	2.8	5.8
1996	85	5.4	4.3	6.7	47	6.9	5.0	9.2	38	4.1	2.9	5.7
1997	75	4.7	3.7	6.0	40	5.8	4.1	7.9	35	3.9	2.7	5.6
1998	78	4.9	3.8	6.1	53	7.6	5.7	10.0	25	2.8	1.8	4.3
1999	85	5.2	4.2	6.5	51	6.9	5.2	9.2	34	3.7	2.6	5.3
2000	93	5.6	4.6	6.9	44	5.9	4.3	8.0	49	5.4	3.9	7.2
2001	92	5.5	4.5	6.8	47	6.3	4.6	8.4	45	4.8	3.5	6.5
2002	76	4.4	3.5	5.6	39	5.3	3.8	7.3	37	3.8	2.7	5.4
2003	88	5.1	4.1	6.3	53	6.8	5.1	9.0	35	3.7	2.6	5.3
2004	94	5.4	4.3	6.6	56	7.1	5.4	9.3	38	4.1	2.9	5.7
2005	95	5.5	4.4	6.8	54	6.9	5.2	9.1	41	4.3	3.1	6.0
2001-2005	445	5.2	4.7	5.7	249	6.5	5.7	7.3	196	4.2	3.6	4.8

Table 75: Number of New Cancer Cases, Average Annual Age-Adjusted Incidence Rates, and 95% CI, by Race and Sex, County and Sex (All Races), Cancer Registry of Northern California, 2001-2005: Myeloma

	Total				Male				Female			
	Cases	AAIR	95% CI		Cases	AAIR	95% CI		Cases	AAIR	95% CI	
All Races Combined	445	5.2	4.7	5.7	249	6.5	5.7	7.3	196	4.2	3.6	4.8
Non-Hispanic White	397	5.1	4.6	5.6	218	6.3	5.5	7.2	179	4.2	3.6	4.9
Non-Hispanic Black	9	--	--	--	6	--	--	--	<5	--	--	--
Hispanic	29	5.8	3.8	8.8	17	6.7	3.5	12.4	12	--	--	--
Asian-Pacific Islander	<5	--	--	--	<5	--	--	--	<5	--	--	--
Butte	71	5.8	4.5	7.4	40	7.5	5.3	10.3	31	4.4	2.9	6.5
Lake	18	4.3	2.6	7.2	9	--	--	--	9	--	--	--
Mendocino	23	4.6	2.9	7.0	14	--	--	--	9	--	--	--
Napa	40	5.2	3.7	7.2	28	8.3	5.5	12.1	12	--	--	--
Shasta	51	4.9	3.6	6.5	26	5.7	3.7	8.5	25	4.3	2.8	6.6
Sonoma	151	6.0	5.1	7.1	86	7.9	6.3	9.8	65	4.7	3.6	6.0
Colusa/Glenn/Tehama	27	4.7	3.1	7.0	13	--	--	--	14	--	--	--
Del Norte/Humboldt	34	4.3	3.0	6.1	18	5.0	2.9	8.1	16	4.1	2.3	6.8
Lassen/Modoc/Plumas	9	--	--	--	<5	--	--	--	6	--	--	--
Siskiyou/Trinity	21	5.5	3.3	9.0	12	--	--	--	9	--	--	--

Source: Cancer Registry of Northern California (CRNC)/California Health Collaborative, Region 6/CCR.

*Note: Excludes in situ cancers. Rates based on fewer than fifteen cases are not shown. Race/ethnicity categories are mutually exclusive.

AAIR = Average annual age-adjusted incidence rates per 100,000 (2000 U.S. Standard) for the five-year period. Cases for small contiguous counties have been combined as noted. Veterans Health Administration hospitals did not report cancer cases to the California Cancer Registry (CCR) in 2005. Therefore, case counts and incidence rates for adult males in 2005 are underestimated and should be interpreted with caution (see Technical Notes of this report or www.ccrca.org/publications/VATechnotes).

Table 76: Number of New Cancer Cases, Average Annual Age-Specific Incidence Rates and 95% CI, by Age and Sex, Cancer Registry of Northern California, 2001-2005: Multiple Myeloma

	Total				Male				Female			
	Cases	ASIR	95% CI		Cases	ASIR	95% CI		Cases	ASIR	95% CI	
00-04	0	--	--	--	0	--	--	--	0	--	--	--
05-09	0	--	--	--	0	--	--	--	0	--	--	--
10-14	0	--	--	--	0	--	--	--	0	--	--	--
15-19	0	--	--	--	0	--	--	--	0	--	--	--
20-24	0	--	--	--	0	--	--	--	0	--	--	--
25-29	0	--	--	--	0	--	--	--	0	--	--	--
30-34	<5	--	--	--	<5	--	--	--	0	--	--	--
35-39	<5	--	--	--	<5	--	--	--	<5	--	--	--
40-44	9	--	--	--	<5	--	--	--	6	--	--	--
45-49	12	--	--	--	8	--	--	--	<5	--	--	--
50-54	36	6.4	4.5	8.9	22	7.9	4.9	12.0	14	--	--	--
55-59	40	8.6	6.2	11.8	27	11.8	7.8	17.2	13	--	--	--
60-64	44	13.1	9.5	17.5	33	20.2	13.9	28.4	11	--	--	--
65-69	48	17.7	13.0	23.4	22	16.9	10.6	25.6	26	18.4	12.0	26.9
70-74	61	25.0	19.1	32.1	34	30.4	21.0	42.4	27	20.5	13.5	29.8
75-79	72	32.3	25.3	40.7	33	34.1	23.5	47.9	39	31.0	22.0	42.4
80-84	62	36.0	27.6	46.1	33	47.0	32.3	66.0	29	28.4	19.0	40.8
85+	56	37.6	28.4	48.8	30	58.6	39.5	83.7	26	26.6	17.4	38.9

Source: Cancer Registry of Northern California (CRNC)/ California Health Collaborative, Region 6/ CCR.

*Note: Excludes in situ cancers. ASIR = Average annual age-specific incidence rates per 100,000 by age group.

Rates based on fewer than fifteen cases are not shown. Veterans Health Administration hospitals did not report cancer cases to the California Cancer Registry (CCR) in 2005. Therefore, case counts and incidence rates for adult males in 2005 are underestimated and should be interpreted with caution (see Technical Notes of this report or www.ccrca.org/publications/VAtechnotes).

NON-HODGKIN LYMPHOMA

Table 77: Number of New Cancer Cases, Annual Age-Adjusted Incidence Rates, and 95% Confidence Intervals (CI), by Year of Diagnosis and Sex, Cancer Registry of Northern California, 1988-2005: Non-Hodgkin Lymphoma

	Total				Male				Female			
	Cases	AAIR	95% CI		Cases	AAIR	95% CI		Cases	AAIR	95% CI	
1988	214	16.9	14.7	19.4	107	18.7	15.2	22.8	107	15.1	12.3	18.4
1989	244	18.7	16.4	21.3	138	22.8	19.1	27.2	106	14.8	12.0	18.1
1990	253	18.4	16.1	20.8	138	22.6	18.8	26.9	115	14.8	12.2	18.0
1991	252	18.1	15.9	20.6	150	23.7	20.0	28.0	102	13.6	11.0	16.7
1992	250	17.6	15.5	20.0	148	22.8	19.2	27.0	102	12.7	10.4	15.6
1993	258	17.6	15.5	19.9	128	19.7	16.4	23.6	130	15.4	12.8	18.4
1994	307	20.7	18.4	23.2	175	26.3	22.5	30.6	132	16.0	13.3	19.1
1995	308	20.8	18.5	23.3	172	25.6	21.9	29.8	136	16.8	14.0	20.0
1996	276	18.1	16.0	20.4	148	21.3	18.0	25.1	128	15.2	12.7	18.2
1997	324	21.1	18.9	23.6	179	25.4	21.8	29.5	145	17.2	14.5	20.4
1998	308	19.5	17.4	21.8	172	24.1	20.6	28.0	136	16.0	13.4	19.0
1999	307	19.1	17.0	21.4	150	20.8	17.6	24.5	157	18.0	15.2	21.1
2000	309	19.1	17.0	21.4	151	20.3	17.2	23.9	158	18.0	15.3	21.2
2001	327	20.0	17.9	22.3	192	25.4	22.0	29.4	135	15.0	12.5	17.8
2002	340	20.7	18.6	23.1	193	25.7	22.2	29.7	147	16.6	14.0	19.6
2003	355	21.2	19.0	23.6	196	25.3	21.9	29.1	159	17.4	14.7	20.4
2004	350	20.3	18.2	22.6	186	24.0	20.7	27.8	164	17.1	14.5	20.0
2005	314	18.2	16.2	20.4	163	20.6	17.6	24.2	151	15.9	13.5	18.8
2001-2005	1,686	20.0	19.1	21.0	930	24.2	22.7	25.8	756	16.3	15.2	17.6

Table 78: Number of New Cancer Cases, Average Annual Age-Adjusted Incidence Rates, and 95% CI, by Race and Sex, County and Sex (All Races), Cancer Registry of Northern California, 2001-2005: Non-Hodgkin Lymphoma

	Total				Male				Female			
	Cases	AAIR	95% CI		Cases	AAIR	95% CI		Cases	AAIR	95% CI	
All Races Combined	1,686	20.0	19.1	21.0	930	24.2	22.7	25.8	756	16.3	15.2	17.6
Non-Hispanic White	1,508	20.3	19.3	21.4	821	24.6	23.0	26.4	687	16.5	15.3	17.9
Non-Hispanic Black	16	18.8	10.4	32.0	11	--	--	--	5	--	--	--
Hispanic	112	20.4	16.4	25.2	68	24.2	18.0	32.6	44	16.6	11.8	23.0
Asian-Pacific Islander	24	12.9	8.1	20.0	13	--	--	--	11	--	--	--
Butte	239	20.1	17.6	22.9	126	23.5	19.6	28.2	113	17.1	14.0	20.8
Lake	67	17.3	13.3	22.3	40	22.4	15.8	31.0	27	12.2	8.0	18.4
Mendocino	96	19.0	15.3	23.4	57	24.1	18.1	31.6	39	14.3	10.1	19.9
Napa	151	20.1	17.0	23.7	84	24.5	19.5	30.4	67	16.0	12.3	20.6
Shasta	193	19.3	16.6	22.3	103	22.6	18.4	27.6	90	16.3	13.1	20.2
Sonoma	494	20.1	18.4	22.0	263	24.2	21.3	27.4	231	17.0	14.8	19.4
Colusa/Glenn/Tehama	128	23.1	19.2	27.5	73	28.3	22.1	35.7	55	17.8	13.3	23.4
Del Norte/Humboldt	185	22.8	19.6	26.4	104	27.7	22.5	33.7	81	18.7	14.8	23.4
Lassen/Modoc/Plumas	60	17.0	12.9	22.2	38	21.1	14.8	29.8	22	12.2	7.7	19.4
Siskiyou/Trinity	73	18.4	14.3	23.7	42	21.8	15.6	30.4	31	15.1	10.1	22.7

Source: Cancer Registry of Northern California (CRNC)/California Health Collaborative, Region 6/CCR.

*Note: Excludes in situ cancers. Rates based on fewer than fifteen cases are not shown. Race/ethnicity categories are mutually exclusive.

AAIR = Average annual age-adjusted incidence rates per 100,000 (2000 U.S. Standard) for the five-year period. Cases for small contiguous counties have been combined as noted. Veterans Health Administration hospitals did not report cancer cases to the California Cancer Registry (CCR) in 2005. Therefore, case counts and incidence rates for adult males in 2005 are underestimated and should be interpreted with caution (see Technical Notes of this report or www.ccrca.org/publications/VATechnotes).

NON-HODGKIN LYMPHOMA

Table 79: Number of New Cancer Cases, Average Annual Age-Specific Incidence Rates and 95% CI, by Age and Sex, Cancer Registry of Northern California, 2001-2005: Non-Hodgkin Lymphoma

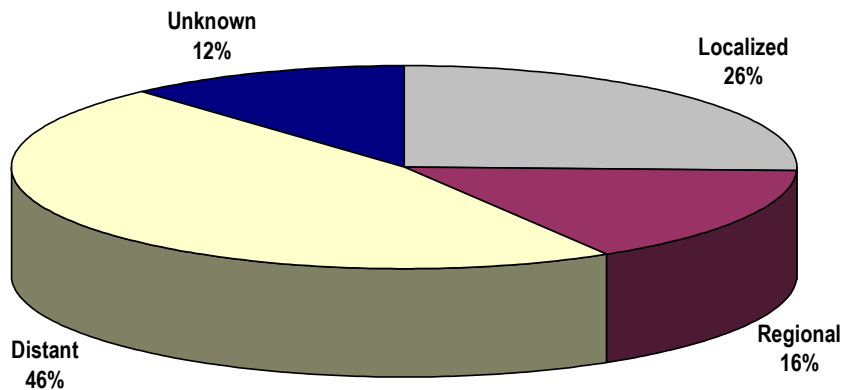
	Total				Male				Female			
	Cases	ASIR	95% CI		Cases	ASIR	95% CI		Cases	ASIR	95% CI	
00-04	<5	--	--	--	<5	--	--	--	0	--	--	--
05-09	8	--	--	--	7	--	--	--	<5	--	--	--
10-14	5	--	--	--	<5	--	--	--	<5	--	--	--
15-19	9	--	--	--	7	--	--	--	<5	--	--	--
20-24	13	--	--	--	8	--	--	--	5	--	--	--
25-29	20	4.3	2.6	6.6	13	--	--	--	7	--	--	--
30-34	19	4.2	2.5	6.5	15	6.2	3.5	10.3	<5	--	--	--
35-39	31	6.3	4.3	8.9	17	6.7	3.9	10.8	14	--	--	--
40-44	55	9.7	7.3	12.7	42	15.1	10.9	20.4	13	--	--	--
45-49	104	17.7	14.4	21.4	67	23.3	18.0	29.6	37	12.3	8.7	16.9
50-54	125	22.2	18.5	26.5	81	29.1	23.1	36.1	44	15.5	11.3	20.8
55-59	165	35.7	30.4	41.5	98	42.9	34.8	52.3	67	28.6	22.2	36.3
60-64	180	53.4	45.9	61.8	91	55.7	44.8	68.4	89	51.3	41.2	63.1
65-69	193	71.1	61.4	81.9	119	91.6	75.9	109.7	74	52.2	41.0	65.6
70-74	206	84.5	73.4	96.9	103	92.0	75.1	111.5	103	78.2	63.8	94.8
75-79	213	95.7	83.3	109.4	108	111.6	91.6	134.8	105	83.4	68.2	101.0
80-84	178	103.3	88.7	119.6	76	108.2	85.3	135.5	102	99.9	81.4	121.3
85+	158	106.0	90.1	123.9	70	136.8	106.6	172.8	88	89.9	72.1	110.8

Source: Cancer Registry of Northern California (CRNC)/ California Health Collaborative, Region 6/ CCR.

*Note: Excludes in situ cancers. ASIR = Average annual age-specific incidence rates per 100,000 by age group.

Rates based on fewer than fifteen cases are not shown. Veterans Health Administration hospitals did not report cancer cases to the California Cancer Registry (CCR) in 2005. Therefore, case counts and incidence rates for adult males in 2005 are underestimated and should be interpreted with caution (see Technical Notes of this report or www.ccrca.org/publications/VAtechnotes).

Figure 39: SEER Summary Stage of Disease at Diagnosis, Cancer Registry of Northern California, 2001-2005: Non-Hodgkin Lymphoma



Veterans Health Administration hospitals did not report cancer cases to the California Cancer Registry (CCR) in 2005. Therefore, case counts and incidence rates for adult males in 2005 are underestimated and should be interpreted with caution (see Technical Notes of this report or www.ccrca.org/publications/VAtechnotes).

ORAL CAVITY & PHARYNX

Table 80: Number of New Cancer Cases, Annual Age-Adjusted Incidence Rates, and 95% Confidence Intervals (CI), by Year of Diagnosis and Sex, Cancer Registry of Northern California, 1988-2005: Oral Cavity & Pharynx

	Total				Male				Female			
	Cases	AAIR	95% CI		Cases	AAIR	95% CI		Cases	AAIR	95% CI	
1988	154	11.8	10.0	13.9	104	17.3	14.0	21.2	50	7.3	5.4	9.8
1989	155	11.8	10.0	13.9	102	16.8	13.6	20.6	53	7.4	5.5	9.8
1990	207	14.5	12.6	16.7	140	21.7	18.2	25.9	67	8.6	6.6	11.0
1991	190	13.8	11.9	16.0	127	19.9	16.5	23.9	63	8.5	6.5	11.0
1992	201	13.9	12.0	16.0	136	20.7	17.3	24.7	65	8.3	6.3	10.6
1993	191	13.3	11.5	15.4	120	18.5	15.3	22.3	71	8.8	6.8	11.1
1994	185	12.6	10.9	14.6	122	18.3	15.1	22.0	63	7.7	5.9	10.0
1995	191	12.5	10.8	14.5	132	19.2	16.1	22.9	59	7.1	5.4	9.3
1996	172	11.4	9.7	13.2	115	16.7	13.8	20.2	57	6.8	5.1	8.9
1997	201	13.1	11.3	15.1	135	19.0	15.9	22.6	66	7.9	6.1	10.1
1998	168	10.8	9.2	12.6	112	15.6	12.8	18.8	56	6.6	5.0	8.6
1999	201	12.7	11.0	14.6	144	19.3	16.3	22.8	57	6.7	5.0	8.8
2000	170	10.6	9.1	12.4	117	15.7	13.0	18.9	53	6.2	4.7	8.3
2001	201	12.2	10.6	14.1	141	18.5	15.5	21.9	60	6.6	5.1	8.7
2002	195	11.8	10.2	13.6	133	17.2	14.4	20.4	62	6.9	5.3	8.9
2003	195	11.5	9.9	13.2	120	15.1	12.5	18.1	75	8.3	6.5	10.6
2004	200	11.7	10.1	13.5	134	16.8	14.0	20.0	66	7.3	5.6	9.4
2005	203	11.6	10.0	13.3	148	18.1	15.3	21.3	55	5.9	4.4	7.8
2001-2005	994	11.8	11.1	12.5	676	17.1	15.9	18.5	318	7.0	6.3	7.9

Table 81: Number of New Cancer Cases, Average Annual Age-Adjusted Incidence Rates, and 95% CI, by Race and Sex, County and Sex (All Races), Cancer Registry of Northern California, 2001-2005: Oral Cavity & Pharynx

	Total				Male				Female			
	Cases	AAIR	95% CI		Cases	AAIR	95% CI		Cases	AAIR	95% CI	
All Races Combined	994	11.8	11.1	12.5	676	17.1	15.9	18.5	318	7.0	6.3	7.9
Non-Hispanic White	914	12.3	11.5	13.2	619	18.0	16.6	19.5	295	7.4	6.5	8.3
Non-Hispanic Black	8	--	--	--	5	--	--	--	<5	--	--	--
Hispanic	47	8.9	6.3	12.3	33	12.8	8.3	19.7	14	5.3	2.8	9.5
Asian-Pacific Islander	7	--	--	--	5	--	--	--	<5	--	--	--
Butte	131	11.3	9.4	13.4	91	17.3	13.9	21.4	40	6.1	4.3	8.5
Lake	36	9.3	6.5	13.2	20	10.5	6.4	16.8	16	8.1	4.6	13.9
Mendocino	54	10.9	8.2	14.4	37	15.6	10.9	21.9	17	6.6	3.8	11.1
Napa	93	12.6	10.2	15.5	66	19.2	14.8	24.5	27	6.5	4.2	9.8
Shasta	120	11.7	9.7	14.1	87	18.1	14.5	22.5	33	6.1	4.2	8.8
Sonoma	320	12.8	11.4	14.3	211	18.5	16.0	21.2	109	8.0	6.5	9.7
Colusa/Glenn/Tehama	66	11.8	9.1	15.0	47	17.8	13.1	23.8	19	6.3	3.8	10.1
Del Norte/Humboldt	99	12.2	9.9	15.0	69	17.9	13.9	22.8	30	7.1	4.8	10.3
Lassen/Modoc/Plumas	31	8.7	5.9	12.7	21	11.7	7.2	18.7	10	--	--	--
Siskiyou/Trinity	44	11.6	8.3	16.1	27	15.1	9.8	23.1	17	8.6	4.9	15.1

Source: Cancer Registry of Northern California (CRNC)/California Health Collaborative, Region 6/CCR.

*Note: Excludes in situ cancers. Rates based on fewer than fifteen cases are not shown. Race/ethnicity categories are mutually exclusive.

AAIR = Average annual age-adjusted incidence rates per 100,000 (2000 U.S. Standard) for the five-year period. Cases for small contiguous counties have been combined as noted. Veterans Health Administration hospitals did not report cancer cases to the California Cancer Registry (CCR) in 2005. Therefore, case counts and incidence rates for adult males in 2005 are underestimated and should be interpreted with caution (see Technical Notes of this report or www.ccrca.org/publications/VATechnotes).

Table 82: Number of New Cancer Cases, Average Annual Age-Specific Incidence Rates and 95% CI, by Age and Sex, Cancer Registry of Northern California, 2001-2005: Oral Cavity & Pharynx

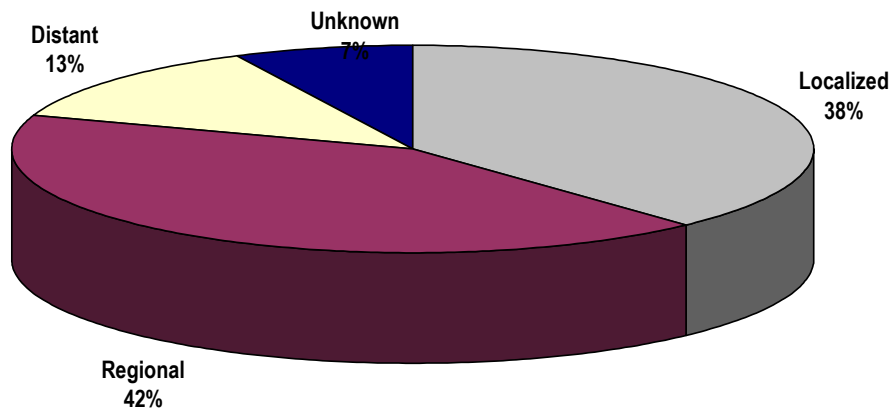
	Total				Male				Female			
	Cases	ASIR	95% CI		Cases	ASIR	95% CI		Cases	ASIR	95% CI	
00-04	0	--	--	--	0	--	--	--	0	--	--	--
05-09	<5	--	--	--	<5	--	--	--	0	--	--	--
10-14	<5	--	--	--	<5	--	--	--	0	--	--	--
15-19	<5	--	--	--	<5	--	--	--	0	--	--	--
20-24	<5	--	--	--	<5	--	--	--	<5	--	--	--
25-29	<5	--	--	--	<5	--	--	--	<5	--	--	--
30-34	7	--	--	--	<5	--	--	--	5	--	--	--
35-39	22	4.4	2.8	6.7	15	6.0	3.3	9.8	7	--	--	--
40-44	44	7.8	5.7	10.4	32	11.5	7.9	16.2	12	--	--	--
45-49	73	12.4	9.7	15.6	53	18.4	13.8	24.1	20	6.6	4.1	10.3
50-54	126	22.4	18.7	26.7	94	33.7	27.3	41.3	32	11.3	7.7	15.9
55-59	128	27.7	23.1	32.9	97	42.4	34.4	51.8	31	13.2	9.0	18.8
60-64	131	38.9	32.5	46.1	90	55.1	44.3	67.7	41	23.6	17.0	32.1
65-69	113	41.6	34.3	50.0	75	57.8	45.4	72.4	38	26.8	19.0	36.8
70-74	98	40.2	32.6	49.0	69	61.6	47.9	78.0	29	22.0	14.7	31.6
75-79	110	49.4	40.6	59.6	65	67.2	51.9	85.6	45	35.8	26.1	47.9
80-84	69	40.0	31.2	50.7	48	68.4	50.4	90.6	21	20.6	12.7	31.4
85+	65	43.6	33.7	55.6	30	58.6	39.5	83.7	35	35.8	24.9	49.7

Source: Cancer Registry of Northern California (CRNC)/ California Health Collaborative, Region 6/ CCR.

*Note: Excludes in situ cancers. ASIR = Average annual age-specific incidence rates per 100,000 by age group.

Rates based on fewer than fifteen cases are not shown. Veterans Health Administration hospitals did not report cancer cases to the California Cancer Registry (CCR) in 2005. Therefore, case counts and incidence rates for adult males in 2005 are underestimated and should be interpreted with caution (see Technical Notes of this report or www.ccrca.org/publications/VAtechnotes).

Figure 40: SEER Summary Stage of Disease at Diagnosis, Cancer Registry of Northern California, 2001-2005: Oral Cavity & Pharynx



Veterans Health Administration hospitals did not report cancer cases to the California Cancer Registry (CCR) in 2005. Therefore, case counts and incidence rates for adult males in 2005 are underestimated and should be interpreted with caution (see Technical Notes of this report or www.ccrca.org/publications/VAtechnotes).

OVARY

Table 83: Number of New Cancer Cases, Annual Age-Adjusted Incidence Rates, and 95% Confidence Intervals (CI), by Year of Diagnosis, Cancer Registry of Northern California, 1988-2005: Ovary

	Female			
	Cases	AAIR	95% CI	
1988	108	15.9	12.9	19.4
1989	116	16.6	13.6	20.1
1990	112	14.9	12.2	18.2
1991	115	15.2	12.5	18.4
1992	120	16.1	13.3	19.5
1993	118	14.9	12.3	17.9
1994	133	16.9	14.1	20.1
1995	125	15.4	12.8	18.4
1996	136	16.3	13.7	19.5
1997	132	16.4	13.7	19.5
1998	140	16.8	14.1	19.9
1999	116	13.6	11.2	16.4
2000	141	16.4	13.8	19.4
2001	134	15.3	12.8	18.2
2002	136	15.3	12.8	18.2
2003	135	14.9	12.5	17.7
2004	157	17.2	14.6	20.2
2005	114	12.2	10.0	14.7
2001-2005	676	15.0	13.9	16.2

Table 84: Number of New Cancer Cases, Average Annual Age-Adjusted Incidence Rates, and 95% CI, by Race and Sex, County and Sex (All Races), Cancer Registry of Northern California, 2001-2005: Ovary

	Female			
	Cases	AAIR	95% CI	
All Races Combined	676	15.0	13.9	16.2
Non-Hispanic White	615	15.4	14.2	16.7
Non-Hispanic Black	<5	--	--	--
Hispanic	43	15.7	11.1	22.0
Asian-Pacific Islander	9	--	--	--
Butte	95	15.2	12.2	18.8
Lake	37	17.6	12.3	24.9
Mendocino	55	20.0	15.0	26.5
Napa	52	13.2	9.8	17.6
Shasta	77	14.0	11.0	17.7
Sonoma	212	15.7	13.6	18.0
Colusa/Glenn/Tehama	48	15.9	11.7	21.4
Del Norte/Humboldt	58	13.4	10.2	17.5
Lassen/Modoc/Plumas	22	13.5	8.4	21.4
Siskiyou/Trinity	20	9.6	5.8	16.2

Source: Cancer Registry of Northern California (CRNC)/California Health Collaborative, Region 6/CCR.

*Note: Excludes in situ cancers. Rates based on fewer than fifteen cases are not shown. Race/ethnicity categories are mutually exclusive.

AAIR = Average annual age-adjusted incidence rates per 100,000 (2000 U.S. Standard) for the five-year period. Cases for small contiguous counties have been combined as noted. Veterans Health Administration hospitals did not report cancer cases to the California Cancer Registry (CCR) in 2005. Therefore, case counts and incidence rates for adult males in 2005 are underestimated and should be interpreted with caution (see Technical Notes of this report or www.ccrca.org/publications/VATechnotes).

Table 85: Number of New Cancer Cases, Average Annual Age-Specific Incidence Rates and 95% CI, by Age, Cancer Registry of Northern California, 2001-2005: Ovary

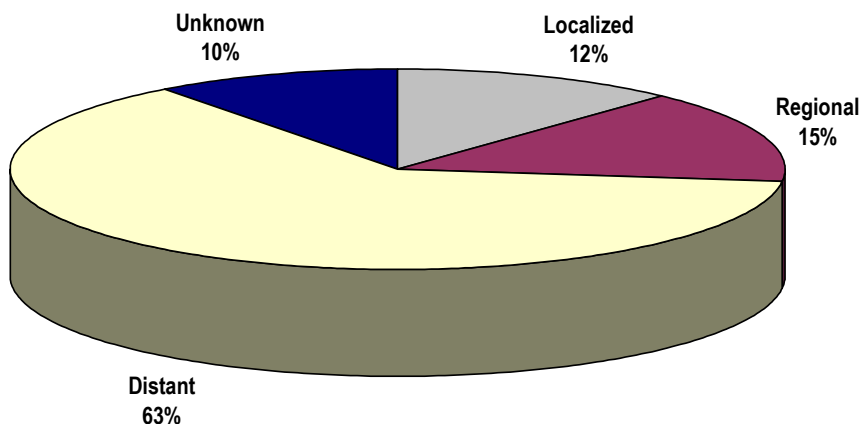
	Female			
	Cases	ASIR	95% CI	
00-04	0	--	--	--
05-09	0	--	--	--
10-14	<5	--	--	--
15-19	<5	--	--	--
20-24	<5	--	--	--
25-29	<5	--	--	--
30-34	9	--	--	--
35-39	12	4.9	2.5	8.6
40-44	22	7.7	4.8	11.6
45-49	49	16.3	12.0	21.5
50-54	70	24.6	19.2	31.1
55-59	89	38.0	30.5	46.7
60-64	82	47.3	37.6	58.7
65-69	66	46.6	36.0	59.3
70-74	73	55.4	43.4	69.6
75-79	78	62.0	49.0	77.4
80-84	58	56.8	43.1	73.4
85+	56	57.2	43.2	74.3

Source: Cancer Registry of Northern California (CRNC)/ California Health Collaborative, Region 6/ CCR.

*Note: Excludes in situ cancers. ASIR = Average annual age-specific incidence rates per 100,000 by age group.

Rates based on fewer than fifteen cases are not shown. Veterans Health Administration hospitals did not report cancer cases to the California Cancer Registry (CCR) in 2005. Therefore, case counts and incidence rates for adult males in 2005 are underestimated and should be interpreted with caution (see Technical Notes of this report or www.ccrca.org/publications/VAtechnotes).

Figure 41: SEER Summary Stage of Disease at Diagnosis, Cancer Registry of Northern California, 2001-2005: Ovary



Veterans Health Administration hospitals did not report cancer cases to the California Cancer Registry (CCR) in 2005. Therefore, case counts and incidence rates for adult males in 2005 are underestimated and should be interpreted with caution (see Technical Notes of this report or www.ccrca.org/publications/VAtechnotes).

PANCREAS

Table 86: Number of New Cancer Cases, Annual Age-Adjusted Incidence Rates, and 95% Confidence Intervals (CI), by Year of Diagnosis and Sex, Cancer Registry of Northern California, 1988-2005: Pancreas

	Total				Male				Female			
	Cases	AAIR	95% CI		Cases	AAIR	95% CI		Cases	AAIR	95% CI	
1988	142	11.1	9.3	13.2	73	12.9	10.0	16.6	69	10.0	7.7	12.9
1989	157	11.7	9.9	13.8	89	14.4	11.5	18.0	68	9.1	7.0	11.7
1990	158	11.1	9.4	13.1	84	13.2	10.5	16.6	74	9.2	7.2	11.7
1991	154	10.8	9.1	12.7	79	12.7	10.0	16.1	75	9.0	7.1	11.4
1992	169	11.5	9.8	13.5	95	14.8	11.9	18.3	74	9.1	7.1	11.6
1993	181	12.2	10.5	14.1	85	12.8	10.2	16.0	96	11.3	9.2	14.0
1994	176	11.6	9.9	13.5	87	13.0	10.4	16.1	89	10.3	8.3	12.8
1995	186	12.2	10.5	14.2	97	14.3	11.6	17.6	89	10.4	8.3	12.9
1996	173	11.0	9.5	12.9	79	11.5	9.1	14.5	94	10.6	8.6	13.1
1997	180	11.4	9.7	13.2	97	14.2	11.5	17.4	83	9.3	7.4	11.6
1998	185	11.4	9.8	13.2	80	11.4	9.0	14.3	105	11.5	9.4	14.0
1999	195	11.8	10.2	13.7	91	13.0	10.4	16.0	104	11.2	9.1	13.7
2000	187	11.3	9.8	13.1	96	13.0	10.5	16.0	91	9.8	7.8	12.1
2001	194	11.6	10.0	13.4	94	12.7	10.3	15.6	100	10.7	8.7	13.1
2002	200	11.8	10.3	13.6	113	15.0	12.3	18.1	87	9.2	7.4	11.5
2003	191	11.1	9.5	12.8	105	13.8	11.3	16.8	86	8.9	7.1	11.1
2004	213	12.1	10.5	13.9	112	14.4	11.8	17.4	101	10.4	8.4	12.7
2005	211	11.9	10.4	13.7	109	13.8	11.3	16.8	102	10.1	8.2	12.4
2001-2005	1,009	11.7	11.0	12.5	533	14.0	12.8	15.2	476	9.9	9.0	10.8

Table 87: Number of New Cancer Cases, Average Annual Age-Adjusted Incidence Rates, and 95% CI, by Race and Sex, County and Sex (All Races), Cancer Registry of Northern California, 2001-2005: Pancreas

	Total				Male				Female			
	Cases	AAIR	95% CI		Cases	AAIR	95% CI		Cases	AAIR	95% CI	
All Races Combined	1,009	11.7	11.0	12.5	533	14.0	12.8	15.2	476	9.9	9.0	10.8
Non-Hispanic White	928	11.9	11.2	12.7	488	14.2	13.0	15.6	440	10.0	9.1	11.1
Non-Hispanic Black	13	--	--	--	6	--	--	--	7	--	--	--
Hispanic	44	11.6	8.3	15.8	25	13.8	8.7	21.5	19	9.5	5.6	15.1
Asian-Pacific Islander	13	--	--	--	6	--	--	--	7	--	--	--
Butte	162	13.3	11.3	15.6	77	14.6	11.5	18.4	85	12.3	9.8	15.5
Lake	63	15.0	11.5	19.5	36	18.4	12.9	26.0	27	12.3	8.1	18.7
Mendocino	68	13.5	10.4	17.2	36	15.4	10.7	21.7	32	11.5	7.9	16.7
Napa	79	10.3	8.1	12.9	38	11.2	7.9	15.5	41	9.3	6.6	12.9
Shasta	99	9.6	7.8	11.7	64	13.7	10.5	17.6	35	6.1	4.2	8.6
Sonoma	294	11.7	10.4	13.2	156	14.6	12.4	17.2	138	9.4	7.9	11.2
Colusa/Glenn/Tehama	66	11.3	8.7	14.4	33	12.8	8.8	18.1	33	10.4	7.2	14.9
Del Norte/Humboldt	92	11.3	9.1	13.9	47	13.5	9.9	18.1	45	10.0	7.3	13.6
Lassen/Modoc/Plumas	43	12.3	8.9	16.9	23	13.1	8.3	20.4	20	10.8	6.6	17.7
Siskiyou/Trinity	43	10.5	7.6	14.6	23	11.2	7.1	17.9	20	9.3	5.7	15.7

Source: Cancer Registry of Northern California (CRNC)/California Health Collaborative, Region 6/CCR.

*Note: Excludes in situ cancers. Rates based on fewer than fifteen cases are not shown. Race/ethnicity categories are mutually exclusive.

AAIR = Average annual age-adjusted incidence rates per 100,000 (2000 U.S. Standard) for the five-year period. Cases for small contiguous counties have been combined as noted. Veterans Health Administration hospitals did not report cancer cases to the California Cancer Registry (CCR) in 2005. Therefore, case counts and incidence rates for adult males in 2005 are underestimated and should be interpreted with caution (see Technical Notes of this report or www.ccrca.org/publications/VATechnotes).

Table 88: Number of New Cancer Cases, Average Annual Age-Specific Incidence Rates and 95% CI, by Age and Sex, Cancer Registry of Northern California, 2001-2005: Pancreas

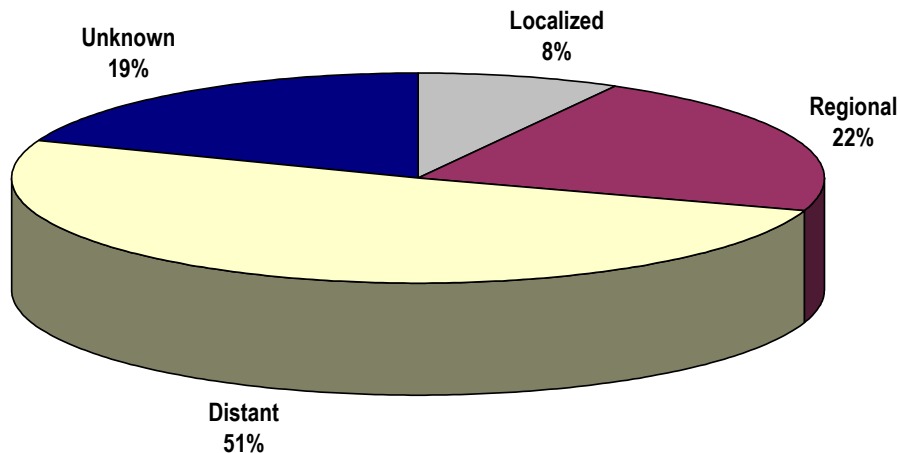
	Total				Male				Female			
	Cases	ASIR	95% CI		Cases	ASIR	95% CI		Cases	ASIR	95% CI	
00-04	0	--	--	--	0	--	--	--	0	--	--	--
05-09	0	--	--	--	0	--	--	--	0	--	--	--
10-14	0	--	--	--	0	--	--	--	0	--	--	--
15-19	0	--	--	--	0	--	--	--	0	--	--	--
20-24	0	--	--	--	0	--	--	--	0	--	--	--
25-29	0	--	--	--	0	--	--	--	0	--	--	--
30-34	<5	--	--	--	<5	--	--	--	0	--	--	--
35-39	7	--	--	--	<5	--	--	--	5	--	--	--
40-44	14	--	--	--	11	--	--	--	<5	--	--	--
45-49	36	6.1	4.3	8.5	23	8.0	5.1	12.0	13	--	--	--
50-54	57	10.1	7.7	13.1	34	12.2	8.5	17.1	23	8.1	5.1	12.1
55-59	84	18.1	14.5	22.5	49	21.4	15.9	28.3	35	14.9	10.4	20.8
60-64	113	33.5	27.6	40.3	60	36.7	28.0	47.3	53	30.6	22.9	40.0
65-69	126	46.4	38.7	55.3	73	56.2	44.1	70.7	53	37.4	28.0	48.9
70-74	128	52.5	43.8	62.4	74	66.1	51.9	83.0	54	41.0	30.8	53.5
75-79	159	71.4	60.8	83.4	88	91.0	73.0	112.1	71	56.4	44.1	71.2
80-84	143	83.0	69.9	97.7	61	86.9	66.4	111.6	82	80.3	63.9	99.7
85+	141	94.6	79.6	111.6	57	111.4	84.3	144.3	84	85.8	68.5	106.3

Source: Cancer Registry of Northern California (CRNC)/ California Health Collaborative, Region 6/ CCR.

*Note: Excludes in situ cancers. ASIR = Average annual age-specific incidence rates per 100,000 by age group.

Rates based on fewer than fifteen cases are not shown. Veterans Health Administration hospitals did not report cancer cases to the California Cancer Registry (CCR) in 2005. Therefore, case counts and incidence rates for adult males in 2005 are underestimated and should be interpreted with caution (see Technical Notes of this report or www.ccrca.org/publications/VAtechnotes).

Figure 42: SEER Summary Stage of Disease at Diagnosis, Cancer Registry of Northern California, 2001-2005: Pancreas



Veterans Health Administration hospitals did not report cancer cases to the California Cancer Registry (CCR) in 2005. Therefore, case counts and incidence rates for adult males in 2005 are underestimated and should be interpreted with caution (see Technical Notes of this report or www.ccrca.org/publications/VAtechnotes).

PROSTATE

Table 89: Number of New Cancer Cases, Annual Age-Adjusted Incidence Rates, and 95% Confidence Intervals (CI), by Year of Diagnosis, Cancer Registry of Northern California, 1988-2005: Prostate

	Male			
	Cases	AAIR	95% CI	
1988	740	124.5	115.4	134.3
1989	715	117.3	108.6	126.7
1990	882	141.9	132.4	152.0
1991	1,098	170.9	160.6	181.7
1992	1,272	191.4	180.8	202.5
1993	1,277	190.1	179.6	201.1
1994	1,068	158.4	148.9	168.5
1995	998	144.9	136.0	154.4
1996	1,028	146.9	138.0	156.4
1997	1,085	152.7	143.7	162.2
1998	1,067	148.1	139.3	157.4
1999	1,131	155.1	146.2	164.5
2000	1,177	159.1	150.1	168.6
2001	1,149	153.4	144.7	162.6
2002	1,139	149.8	141.2	158.8
2003	1,132	145.5	137.1	154.4
2004	1,104	140.1	131.9	148.7
2005	1,077	135.3	127.3	143.8
2001-2005	5,601	144.7	140.9	148.6

Table 90: Number of New Cancer Cases, Average Annual Age-Adjusted Incidence Rates, and 95% CI, by Race and County (All Races), Cancer Registry of Northern California, 2001-2005: Prostate

	Male			
	Cases	AAIR	95% CI	
All Races Combined	5,601	144.7	140.9	148.6
Non-Hispanic White	5,093	145.8	141.8	149.9
Non-Hispanic Black	86	237.9	188.2	299.1
Hispanic	273	134.1	117.7	152.5
Asian-Pacific Islander	43	64.2	46.0	88.3
Butte	911	171.3	160.3	182.9
Lake	242	119.9	105.2	136.4
Mendocino	262	109.6	96.5	124.1
Napa	499	144.8	132.3	158.2
Shasta	834	176.0	164.2	188.6
Sonoma	1,449	134.1	127.2	141.4
Colusa/Glenn/Tehama	400	148.8	134.5	164.3
Del Norte/Humboldt	543	150.1	137.6	163.5
Lassen/Modoc/Plumas	217	124.9	108.6	143.6
Siskiyou/Trinity	244	122.0	107.1	139.1

Source: Cancer Registry of Northern California (CRNC)/California Health Collaborative, Region 6/CCR.

*Note: Excludes in situ cancers. Rates based on fewer than fifteen cases are not shown. Race/ethnicity categories are mutually exclusive.

AAIR = Average annual age-adjusted incidence rates per 100,000 (2000 U.S. Standard) for the five-year period. Cases for small contiguous counties have been combined as noted. Veterans Health Administration hospitals did not report cancer cases to the California Cancer Registry (CCR) in 2005. Therefore, case counts and incidence rates for adult males in 2005 are underestimated and should be interpreted with caution (see Technical Notes of this report or www.ccrca.org/publications/VATechnotes).

Table 91: Number of New Cancer Cases, Average Annual Age-Specific Incidence Rates and 95% CI, by Age, Cancer Registry of Northern California, 2001-2005: Prostate

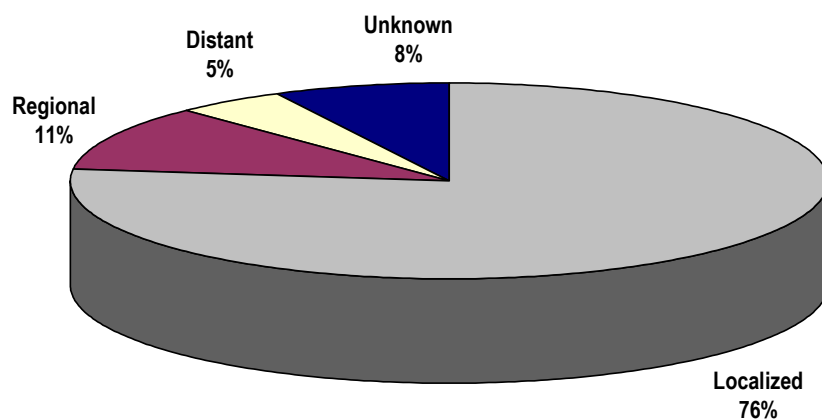
	Male			
	Cases	ASIR	95% CI	
00-04	0	--	--	--
05-09	0	--	--	--
10-14	0	--	--	--
15-19	0	--	--	--
20-24	0	--	--	--
25-29	0	--	--	--
30-34	0	--	--	--
35-39	<5	--	--	--
40-44	11	--	--	--
45-49	67	23.3	18.0	29.6
50-54	328	117.8	105.4	131.2
55-59	673	294.5	272.7	317.6
60-64	827	506.0	472.1	541.7
65-69	1,056	813.2	764.9	863.8
70-74	974	869.7	815.9	926.1
75-79	768	793.8	738.7	852.0
80-84	548	780.4	716.4	848.5
85+	348	679.9	610.4	755.3

Source: Cancer Registry of Northern California (CRNC)/ California Health Collaborative, Region 6/ CCR.

*Note: Excludes in situ cancers. ASIR = Average annual age-specific incidence rates per 100,000 by age group.

Rates based on fewer than fifteen cases are not shown. Veterans Health Administration hospitals did not report cancer cases to the California Cancer Registry (CCR) in 2005. Therefore, case counts and incidence rates for adult males in 2005 are underestimated and should be interpreted with caution (see Technical Notes of this report or www.ccrca.org/publications/VAtchnotes).

Figure 43: SEER Summary Stage of Disease at Diagnosis, Cancer Registry of Northern California, 2001-2005: Prostate



Veterans Health Administration hospitals did not report cancer cases to the California Cancer Registry (CCR) in 2005. Therefore, case counts and incidence rates for adult males in 2005 are underestimated and should be interpreted with caution (see Technical Notes of this report or www.ccrca.org/publications/VAtchnotes).

RECTUM & RECTOSIGMOID

Table 92: Number of New Cancer Cases, Annual Age-Adjusted Incidence Rates, and 95% Confidence Intervals (CI), by Year of Diagnosis and Sex, Cancer Registry of Northern California, 1988-2005: Rectum & Rectosigmoid

	Total				Male				Female			
	Cases	AAIR	95% CI		Cases	AAIR	95% CI		Cases	AAIR	95% CI	
1988	246	18.6	16.3	21.1	147	25.1	21.1	29.8	99	13.4	10.8	16.4
1989	239	17.7	15.5	20.2	123	20.6	17.0	24.9	116	15.6	12.9	18.9
1990	224	16.1	14.0	18.5	137	22.1	18.4	26.3	87	11.4	9.1	14.2
1991	200	14.3	12.4	16.5	123	20.3	16.8	24.5	77	9.7	7.6	12.3
1992	227	15.8	13.8	18.1	129	20.1	16.7	24.1	98	12.5	10.1	15.4
1993	211	14.1	12.3	16.2	116	17.5	14.4	21.2	95	11.5	9.3	14.2
1994	212	14.2	12.4	16.3	126	18.9	15.7	22.7	86	10.4	8.3	13.0
1995	208	13.5	11.7	15.5	119	17.6	14.5	21.2	89	10.3	8.3	12.8
1996	239	15.6	13.7	17.8	149	21.9	18.5	25.8	90	10.4	8.4	12.9
1997	241	15.4	13.5	17.5	139	19.7	16.5	23.4	102	11.9	9.7	14.5
1998	234	14.5	12.7	16.5	134	18.8	15.7	22.3	100	11.1	9.0	13.6
1999	278	17.3	15.3	19.4	150	20.4	17.2	24.0	128	14.6	12.1	17.4
2000	269	16.3	14.4	18.4	172	23.3	19.9	27.1	97	10.7	8.7	13.1
2001	258	15.5	13.7	17.6	152	20.8	17.6	24.5	106	11.5	9.4	14.0
2002	225	13.5	11.8	15.4	133	17.5	14.6	20.8	92	10.2	8.2	12.6
2003	258	15.2	13.4	17.2	134	17.1	14.3	20.4	124	13.1	10.9	15.7
2004	239	14.0	12.2	15.9	140	17.9	15.0	21.2	99	10.4	8.4	12.8
2005	231	13.4	11.7	15.3	132	16.7	13.9	19.9	99	10.5	8.4	12.9
2001-2005	1,211	14.3	13.5	15.1	691	17.9	16.6	19.3	520	11.2	10.2	12.2

Table 93: Number of New Cancer Cases, Average Annual Age-Adjusted Incidence Rates, and 95% CI, by Race and Sex, County and Sex (All Races), Cancer Registry of Northern California, 2001-2005: Rectum & Rectosigmoid

	Total				Male				Female			
	Cases	AAIR	95% CI		Cases	AAIR	95% CI		Cases	AAIR	95% CI	
All Races Combined	1,211	14.3	13.5	15.1	691	17.9	16.6	19.3	520	11.2	10.2	12.2
Non-Hispanic White	1,103	14.5	13.7	15.5	632	18.4	17.0	19.9	471	11.3	10.3	12.4
Non-Hispanic Black	5	--	--	--	<5	--	--	--	<5	--	--	--
Hispanic	71	14.5	11.1	18.7	38	14.0	9.6	20.6	33	14.2	9.6	20.4
Asian-Pacific Islander	22	12.7	7.9	19.9	11	--	--	--	11	--	--	--
Butte	177	14.8	12.7	17.3	86	16.2	13.0	20.2	91	13.7	11.0	17.1
Lake	52	12.5	9.3	16.6	31	15.4	10.4	22.4	21	9.5	5.9	15.3
Mendocino	52	10.6	7.9	14.1	32	14.4	9.8	20.6	20	7.5	4.5	12.0
Napa	110	14.5	11.9	17.5	63	17.9	13.7	23.0	47	11.6	8.5	15.7
Shasta	129	12.6	10.5	15.1	77	16.5	13.0	20.7	52	9.5	7.0	12.6
Sonoma	353	14.2	12.8	15.8	197	18.2	15.7	21.0	156	10.9	9.2	12.8
Colusa/Glenn/Tehama	97	16.9	13.7	20.7	65	24.5	18.9	31.3	32	10.2	6.9	14.6
Del Norte/Humboldt	142	17.8	15.0	21.0	86	23.8	19.0	29.5	56	12.9	9.7	16.9
Lassen/Modoc/Plumas	41	11.4	8.2	15.9	23	12.5	7.9	19.6	18	10.2	6.0	17.2
Siskiyou/Trinity	58	14.5	11.0	19.3	31	16.2	10.9	24.0	27	12.9	8.4	20.1

Source: Cancer Registry of Northern California (CRNC)/California Health Collaborative, Region 6/CCR.

*Note: Excludes in situ cancers. Rates based on fewer than fifteen cases are not shown. Race/ethnicity categories are mutually exclusive.

AAIR = Average annual age-adjusted incidence rates per 100,000 (2000 U.S. Standard) for the five-year period. Cases for small contiguous counties have been combined as noted. Veterans Health Administration hospitals did not report cancer cases to the California Cancer Registry (CCR) in 2005. Therefore, case counts and incidence rates for adult males in 2005 are underestimated and should be interpreted with caution (see Technical Notes of this report or www.ccrca.org/publications/VATechnotes).

RECTUM & RECTOSIGMOID

Table 94: Number of New Cancer Cases, Average Annual Age-Specific Incidence Rates and 95% CI, by Age and Sex, Cancer Registry of Northern California, 2001-2005: Rectum & Rectosigmoid

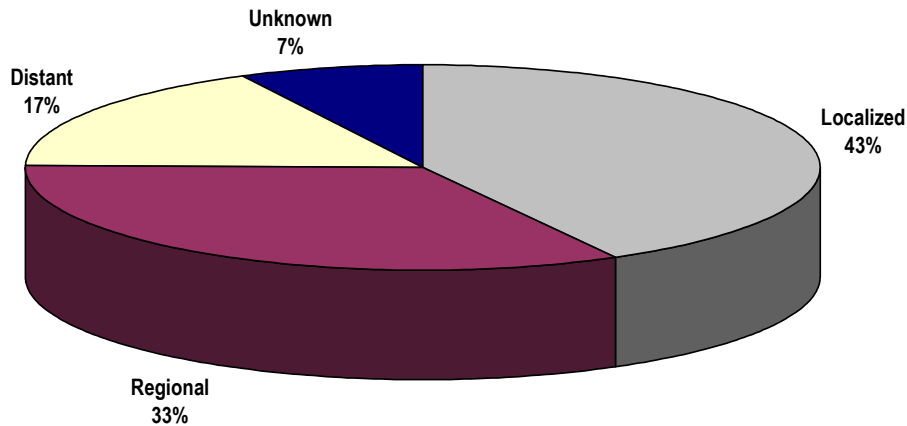
	Total				Male				Female			
	Cases	ASIR	95% CI		Cases	ASIR	95% CI		Cases	ASIR	95% CI	
00-04	0	--	--	--	0	--	--	--	0	--	--	--
05-09	0	--	--	--	0	--	--	--	0	--	--	--
10-14	0	--	--	--	0	--	--	--	0	--	--	--
15-19	0	--	--	--	0	--	--	--	0	--	--	--
20-24	0	--	--	--	0	--	--	--	0	--	--	--
25-29	<5	--	--	--	0	--	--	--	<5	--	--	--
30-34	9	--	--	--	5	--	--	--	<5	--	--	--
35-39	17	3.4	2.0	5.5	9	--	--	--	8	--	--	--
40-44	34	6.0	4.2	8.4	17	6.1	3.6	9.8	17	5.9	3.5	9.5
45-49	66	11.2	8.7	14.3	36	12.5	8.8	17.3	30	10.0	6.7	14.2
50-54	92	16.4	13.2	20.1	56	20.1	15.2	26.1	36	12.7	8.9	17.5
55-59	105	22.7	18.6	27.5	68	29.8	23.1	37.7	37	15.8	11.1	21.8
60-64	132	39.2	32.8	46.5	92	56.3	45.4	69.0	40	23.1	16.5	31.4
65-69	171	63.0	53.9	73.2	102	78.5	64.0	95.4	69	48.7	37.9	61.6
70-74	143	58.7	49.4	69.1	86	76.8	61.4	94.8	57	43.3	32.8	56.0
75-79	172	77.3	66.2	89.7	100	103.4	84.1	125.7	72	57.2	44.8	72.1
80-84	145	84.1	71.0	99.0	73	104.0	81.5	130.7	72	70.5	55.2	88.8
85+	124	83.2	69.2	99.2	47	91.8	67.5	122.1	77	78.7	62.1	98.3

Source: Cancer Registry of Northern California (CRNC)/ California Health Collaborative, Region 6/ CCR.

*Note: Excludes in situ cancers. ASIR = Average annual age-specific incidence rates per 100,000 by age group.

Rates based on fewer than fifteen cases are not shown. Veterans Health Administration hospitals did not report cancer cases to the California Cancer Registry (CCR) in 2005. Therefore, case counts and incidence rates for adult males in 2005 are underestimated and should be interpreted with caution (see Technical Notes of this report or www.ccrca.org/publications/VAtechnotes).

Figure 44: SEER Summary Stage of Disease at Diagnosis, Cancer Registry of Northern California, 2001-2005: Rectum & Rectosigmoid



Veterans Health Administration hospitals did not report cancer cases to the California Cancer Registry (CCR) in 2005. Therefore, case counts and incidence rates for adult males in 2005 are underestimated and should be interpreted with caution (see Technical Notes of this report or www.ccrca.org/publications/VAtechnotes).

STOMACH

Table 95: Number of New Cancer Cases, Annual Age-Adjusted Incidence Rates, and 95% Confidence Intervals (CI), by Year of Diagnosis and Sex, Cancer Registry of Northern California, 1988-2005: Stomach

	Total				Male				Female			
	Cases	AAIR	95% CI		Cases	AAIR	95% CI		Cases	AAIR	95% CI	
1988	108	8.1	6.6	9.9	73	12.5	9.7	16.0	35	4.8	3.3	6.9
1989	126	9.3	7.7	11.2	85	14.5	11.4	18.2	41	5.3	3.8	7.4
1990	111	8.0	6.5	9.7	74	12.5	9.7	16.0	37	4.7	3.3	6.6
1991	118	8.2	6.8	9.9	78	12.6	9.9	16.0	40	4.7	3.4	6.6
1992	85	6.0	4.8	7.4	56	8.8	6.6	11.6	29	3.5	2.4	5.2
1993	112	7.5	6.1	9.0	73	11.5	8.9	14.6	39	4.6	3.3	6.4
1994	111	7.3	6.0	8.8	66	10.0	7.7	12.9	45	5.1	3.7	7.0
1995	123	8.0	6.6	9.6	76	11.3	8.9	14.3	47	5.5	4.0	7.5
1996	111	7.2	5.9	8.7	68	9.9	7.7	12.6	43	4.9	3.5	6.7
1997	109	6.9	5.7	8.3	72	10.2	8.0	13.0	37	4.2	2.9	5.8
1998	122	7.6	6.3	9.1	75	10.5	8.2	13.2	47	5.2	3.8	7.0
1999	110	6.8	5.6	8.2	73	10.2	8.0	12.9	37	4.0	2.8	5.7
2000	111	6.7	5.5	8.1	77	10.8	8.5	13.5	34	3.5	2.4	5.0
2001	87	5.2	4.2	6.5	63	8.6	6.6	11.0	24	2.6	1.6	4.0
2002	117	6.9	5.7	8.3	69	9.1	7.1	11.6	48	5.0	3.7	6.7
2003	105	6.1	5.0	7.4	66	8.6	6.7	11.0	39	4.0	2.8	5.6
2004	111	6.5	5.3	7.8	77	10.1	8.0	12.7	34	3.7	2.5	5.3
2005	98	5.6	4.6	6.9	64	8.4	6.5	10.8	34	3.6	2.5	5.1
2001-2005	518	6.1	5.6	6.6	339	9.0	8.0	10.0	179	3.8	3.2	4.4

Table 96: Number of New Cancer Cases, Average Annual Age-Adjusted Incidence Rates, and 95% CI, by Race and Sex, County and Sex (All Races), Cancer Registry of Northern California, 2001-2005: Stomach

	Total				Male				Female			
	Cases	AAIR	95% CI		Cases	AAIR	95% CI		Cases	AAIR	95% CI	
All Races Combined	518	6.1	5.6	6.6	339	9.0	8.0	10.0	179	3.8	3.2	4.4
Non-Hispanic White	448	5.8	5.3	6.4	296	8.7	7.8	9.8	152	3.5	3.0	4.2
Non-Hispanic Black	6	--	--	--	<5	--	--	--	<5	--	--	--
Hispanic	45	9.7	6.8	13.5	30	13.2	8.3	20.5	15	6.6	3.6	11.4
Asian-Pacific Islander	14	--	--	--	7	--	--	--	7	--	--	--
Butte	71	5.9	4.6	7.6	48	9.3	6.8	12.4	23	3.2	2.0	5.0
Lake	41	10.0	7.1	13.8	30	15.8	10.6	23.1	11	--	--	--
Mendocino	23	4.7	2.9	7.2	14	--	--	--	9	--	--	--
Napa	52	6.9	5.1	9.1	35	10.2	7.1	14.3	17	4.2	2.4	6.9
Shasta	53	5.1	3.8	6.8	33	7.0	4.8	10.0	20	3.5	2.1	5.6
Sonoma	147	5.9	4.9	6.9	90	8.4	6.7	10.4	57	3.9	2.9	5.1
Colusa/Glenn/Tehama	45	7.8	5.7	10.6	29	11.2	7.5	16.2	16	5.2	2.9	8.6
Del Norte/Humboldt	57	7.0	5.3	9.1	41	11.3	8.1	15.5	16	3.7	2.1	6.2
Lassen/Modoc/Plumas	15	4.5	2.5	7.9	9	--	--	--	6	--	--	--
Siskiyou/Trinity	14	--	--	--	10	--	--	--	<5	--	--	--

Source: Cancer Registry of Northern California (CRNC)/California Health Collaborative, Region 6/CCR.

*Note: Excludes in situ cancers. Rates based on fewer than fifteen cases are not shown. Race/ethnicity categories are mutually exclusive.

AAIR = Average annual age-adjusted incidence rates per 100,000 (2000 U.S. Standard) for the five-year period. Cases for small contiguous counties have been combined as noted. Veterans Health Administration hospitals did not report cancer cases to the California Cancer Registry (CCR) in 2005. Therefore, case counts and incidence rates for adult males in 2005 are underestimated and should be interpreted with caution (see Technical Notes of this report or www.ccrca.org/publications/VATechnotes).

Table 97: Number of New Cancer Cases, Average Annual Age-Specific Incidence Rates and 95% CI, by Age and Sex, Cancer Registry of Northern California, 2001-2005: Stomach

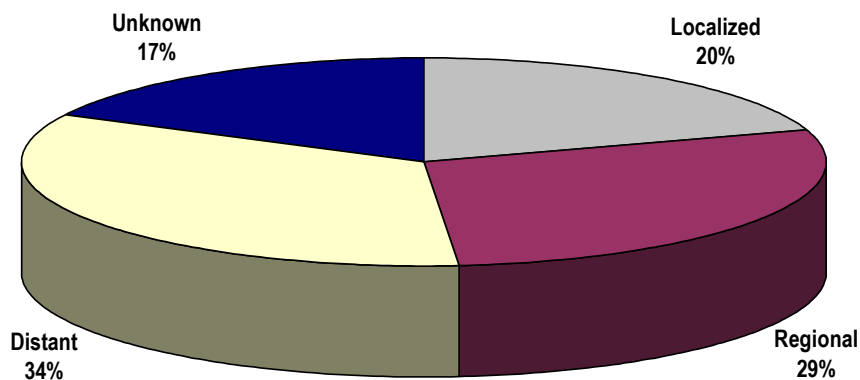
	Total				Male				Female			
	Cases	ASIR	95% CI		Cases	ASIR	95% CI		Cases	ASIR	95% CI	
00-04	0	--	--	--	0	--	--	--	0	--	--	--
05-09	0	--	--	--	0	--	--	--	0	--	--	--
10-14	0	--	--	--	0	--	--	--	0	--	--	--
15-19	0	--	--	--	0	--	--	--	0	--	--	--
20-24	0	--	--	--	0	--	--	--	0	--	--	--
25-29	<5	--	--	--	<5	--	--	--	<5	--	--	--
30-34	6	--	--	--	<5	--	--	--	<5	--	--	--
35-39	5	--	--	--	<5	--	--	--	<5	--	--	--
40-44	16	2.8	1.6	4.6	12	--	--	--	<5	--	--	--
45-49	31	5.3	3.6	7.5	22	7.6	4.8	11.6	9	--	--	--
50-54	26	4.6	3.0	6.8	21	7.5	4.7	11.5	<5	--	--	--
55-59	35	7.6	5.3	10.5	24	10.5	6.7	15.6	11	--	--	--
60-64	39	11.6	8.2	15.8	24	14.7	9.4	21.9	15	8.6	4.8	14.3
65-69	57	21.0	15.9	27.2	39	30.0	21.4	41.1	18	12.7	7.5	20.1
70-74	64	26.3	20.2	33.5	38	33.9	24.0	46.6	26	19.7	12.9	28.9
75-79	81	36.4	28.9	45.2	55	56.8	42.8	74.0	26	20.7	13.5	30.3
80-84	84	48.7	38.9	60.3	55	78.3	59.0	101.9	29	28.4	19.0	40.8
85+	72	48.3	37.8	60.8	40	78.2	55.8	106.4	32	32.7	22.4	46.2

Source: Cancer Registry of Northern California (CRNC)/ California Health Collaborative, Region 6/ CCR.

*Note: Excludes in situ cancers. ASIR = Average annual age-specific incidence rates per 100,000 by age group.

Rates based on fewer than fifteen cases are not shown. Veterans Health Administration hospitals did not report cancer cases to the California Cancer Registry (CCR) in 2005. Therefore, case counts and incidence rates for adult males in 2005 are underestimated and should be interpreted with caution (see Technical Notes of this report or www.ccrca.org/publications/VAtechnotes).

Figure 45: SEER Summary Stage of Disease at Diagnosis, Cancer Registry of Northern California, 2001-2005: Stomach



Veterans Health Administration hospitals did not report cancer cases to the California Cancer Registry (CCR) in 2005. Therefore, case counts and incidence rates for adult males in 2005 are underestimated and should be interpreted with caution (see Technical Notes of this report or www.ccrca.org/publications/VAtechnotes).

TESTIS

Table 98: Number of New Cancer Cases, Annual Age-Adjusted Incidence Rates, and 95% Confidence Intervals (CI), by Year of Diagnosis, Cancer Registry of Northern California, 1988-2005: Testis

	Male			
	Cases	AAIR	95% CI	
1988	27	4.1	2.7	6.3
1989	31	4.8	3.2	7.0
1990	37	5.4	3.8	7.6
1991	44	6.4	4.6	8.8
1992	42	6.1	4.4	8.4
1993	42	6.0	4.3	8.3
1994	39	5.6	4.0	7.8
1995	33	4.8	3.3	6.9
1996	38	5.5	3.9	7.6
1997	49	7.0	5.2	9.3
1998	42	5.9	4.2	8.0
1999	57	8.1	6.1	10.5
2000	48	6.7	4.9	8.9
2001	36	5.0	3.5	6.9
2002	49	6.6	4.9	8.8
2003	37	5.1	3.6	7.1
2004	49	6.5	4.8	8.6
2005	46	6.1	4.5	8.3
2001-2005	217	5.9	5.1	6.7

Table 99: Number of New Cancer Cases, Average Annual Age-Adjusted Incidence Rates, and 95% CI, by Race and Sex, County and Sex (All Races), Cancer Registry of Northern California, 2001-2005: Testis

	Male			
	Cases	AAIR	95% CI	
All Races Combined	217	5.9	5.1	6.7
Non-Hispanic White	193	7.3	6.3	8.4
Non-Hispanic Black	0	--	--	--
Hispanic	21	2.9	1.7	6.6
Asian-Pacific Islander	<5	--	--	--
Butte	35	6.7	4.6	9.5
Lake	8	--	--	--
Mendocino	10	4.9	2.3	9.3
Napa	16	4.9	2.8	8.0
Shasta	27	6.8	4.5	10.1
Sonoma	74	6.5	5.1	8.2
Colusa/Glenn/Tehama	14	--	--	--
Del Norte/Humboldt	14	--	--	--
Lassen/Modoc/Plumas	7	--	--	--
Siskiyou/Trinity	12	--	--	--

Source: Cancer Registry of Northern California (CRNC)/California Health Collaborative, Region 6/CCR.

*Note: Excludes in situ cancers. Rates based on fewer than fifteen cases are not shown. Race/ethnicity categories are mutually exclusive.

AAIR = Average annual age-adjusted incidence rates per 100,000 (2000 U.S. Standard) for the five-year period. Cases for small contiguous counties have been combined as noted. Veterans Health Administration hospitals did not report cancer cases to the California Cancer Registry (CCR) in 2005. Therefore, case counts and incidence rates for adult males in 2005 are underestimated and should be interpreted with caution (see Technical Notes of this report or www.ccrca.org/publications/VATechnotes).

Table 100: Number of New Cancer Cases, Average Annual Age-Specific Incidence Rates and 95% CI, by Age, Cancer Registry of Northern California, 2001-2005: Testis

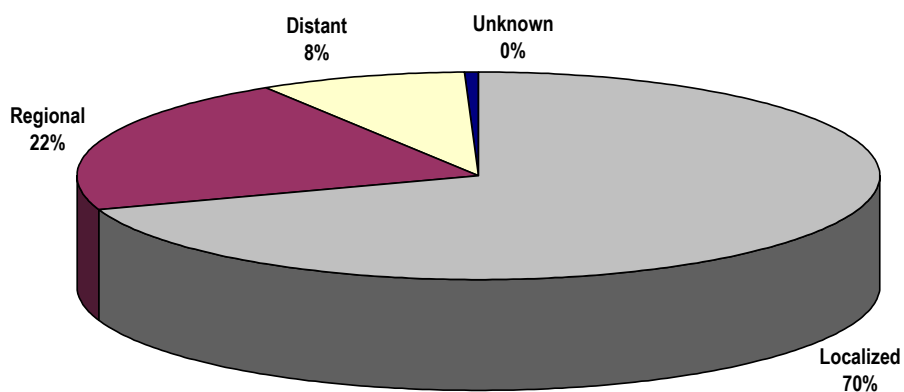
	Male			
	Cases	ASIR	95% CI	
00-04	0	--	--	--
05-09	0	--	--	--
10-14	0	--	--	--
15-19	14	--	--	--
20-24	19	6.2	3.8	9.7
25-29	27	10.7	7.0	15.5
30-34	42	17.5	12.6	23.6
35-39	26	10.3	6.7	15.1
40-44	38	13.6	9.7	18.7
45-49	25	8.7	5.6	12.8
50-54	11	--	--	--
55-59	<5	--	--	--
60-64	<5	--	--	--
65-69	<5	--	--	--
70-74	<5	--	--	--
75-79	<5	--	--	--
80-84	0	--	--	--
85+	0	--	--	--

Source: Cancer Registry of Northern California (CRNC)/ California Health Collaborative, Region 6/ CCR.

*Note: Excludes in situ cancers. ASIR = Average annual age-specific incidence rates per 100,000 by age group.

Rates based on fewer than fifteen cases are not shown. Veterans Health Administration hospitals did not report cancer cases to the California Cancer Registry (CCR) in 2005. Therefore, case counts and incidence rates for adult males in 2005 are underestimated and should be interpreted with caution (see Technical Notes of this report or www.ccrca.org/publications/VAtechnotes).

Figure 46: SEER Summary Stage of Disease at Diagnosis, Cancer Registry of Northern California, 2001-2005: Testis



Veterans Health Administration hospitals did not report cancer cases to the California Cancer Registry (CCR) in 2005. Therefore, case counts and incidence rates for adult males in 2005 are underestimated and should be interpreted with caution (see Technical Notes of this report or www.ccrca.org/publications/VAtechnotes).

THYROID

Table 101: Number of New Cancer Cases, Annual Age-Adjusted Incidence Rates, and 95% Confidence Intervals (CI), by Year of Diagnosis and Sex, Cancer Registry of Northern California, 1988-2005: Thyroid

	Total				Male				Female			
	Cases	AAIR	95% CI		Cases	AAIR	95% CI		Cases	AAIR	95% CI	
1988	53	4.5	3.3	5.9	18	3.3	1.9	5.4	35	5.8	4.0	8.2
1989	63	4.9	3.7	6.3	13	--	--	--	50	7.7	5.7	10.3
1990	59	4.6	3.5	6.0	14	--	--	--	45	6.9	5.0	9.3
1991	56	4.2	3.2	5.5	13	--	--	--	43	6.4	4.6	8.7
1992	66	4.9	3.8	6.3	18	2.7	1.6	4.4	48	7.1	5.2	9.5
1993	63	4.4	3.4	5.7	16	2.4	1.3	4.0	47	6.4	4.7	8.6
1994	67	4.8	3.7	6.1	16	2.5	1.4	4.2	51	7.1	5.2	9.3
1995	72	5.1	4.0	6.4	13	--	--	--	59	8.2	6.2	10.6
1996	68	4.8	3.8	6.1	17	2.5	1.5	4.2	51	7.2	5.3	9.5
1997	87	6.1	4.9	7.5	19	2.7	1.6	4.3	68	9.5	7.4	12.2
1998	95	6.4	5.2	7.9	25	3.4	2.2	5.1	70	9.5	7.4	12.1
1999	105	6.9	5.7	8.4	25	3.3	2.2	5.0	80	10.4	8.2	13.0
2000	85	5.6	4.5	6.9	23	3.1	1.9	4.7	62	8.1	6.2	10.4
2001	86	5.5	4.4	6.9	19	2.5	1.5	3.9	67	8.6	6.7	11.0
2002	109	6.9	5.7	8.4	27	3.5	2.3	5.1	82	10.3	8.1	12.9
2003	116	7.3	6.0	8.8	38	4.9	3.4	6.8	78	9.9	7.8	12.4
2004	131	8.4	7.0	10.0	26	3.4	2.2	5.0	105	13.4	10.9	16.4
2005	134	8.6	7.2	10.2	40	5.2	3.7	7.2	94	12.1	9.7	14.9
2001-2005	576	7.3	6.8	8.0	150	3.9	3.3	4.6	426	10.8	9.8	11.9

Table 102: Number of New Cancer Cases, Average Annual Age-Adjusted Incidence Rates, and 95% CI, by Race and Sex, County and Sex (All Races), Cancer Registry of Northern California, 2001-2005: Thyroid

	Total				Male				Female			
	Cases	AAIR	95% CI		Cases	AAIR	95% CI		Cases	AAIR	95% CI	
All Races Combined	576	7.3	6.8	8.0	150	3.9	3.3	4.6	426	10.8	9.8	11.9
Non-Hispanic White	497	7.8	7.1	8.5	131	4.0	3.4	4.8	366	11.4	10.3	12.8
Non-Hispanic Black	<5	--	--	--	<5	--	--	--	<5	--	--	--
Hispanic	55	6.6	4.7	9.2	10	--	--	--	45	12.1	8.5	17.1
Asian-Pacific Islander	18	8.5	5.0	14.3	5	--	--	--	13	--	--	--
Butte	82	8.1	6.4	10.2	19	4.0	2.4	6.3	63	12.0	9.2	15.6
Lake	22	5.8	3.6	9.2	10	--	--	--	12	--	--	--
Mendocino	22	4.7	2.9	7.3	8	--	--	--	14	--	--	--
Napa	46	6.8	4.9	9.1	9	--	--	--	37	10.8	7.5	15.0
Shasta	91	10.1	8.1	12.4	18	4.0	2.4	6.5	73	15.8	12.3	20.0
Sonoma	169	7.1	6.0	8.2	43	3.8	2.7	5.2	126	10.4	8.6	12.4
Colusa/Glenn/Tehama	37	7.1	5.0	9.9	13	--	--	--	24	9.2	5.9	13.9
Del Norte/Humboldt	60	7.6	5.8	9.8	13	--	--	--	47	11.9	8.7	16.0
Lassen/Modoc/Plumas	29	8.2	5.5	12.1	11	--	--	--	18	12.3	7.1	20.4
Siskiyou/Trinity	18	5.3	3.0	9.1	6	--	--	--	12	--	--	--

Source: Cancer Registry of Northern California (CRNC)/California Health Collaborative, Region 6/CCR.

*Note: Excludes in situ cancers. Rates based on fewer than fifteen cases are not shown. Race/ethnicity categories are mutually exclusive.

AAIR = Average annual age-adjusted incidence rates per 100,000 (2000 U.S. Standard) for the five-year period. Cases for small contiguous counties have been combined as noted. Veterans Health Administration hospitals did not report cancer cases to the California Cancer Registry (CCR) in 2005. Therefore, case counts and incidence rates for adult males in 2005 are underestimated and should be interpreted with caution (see Technical Notes of this report or www.ccrca.org/publications/VATechnotes).

Table 103: Number of New Cancer Cases, Average Annual Age-Specific Incidence Rates and 95% CI, by Age and Sex, Cancer Registry of Northern California, 2001-2005: Thyroid

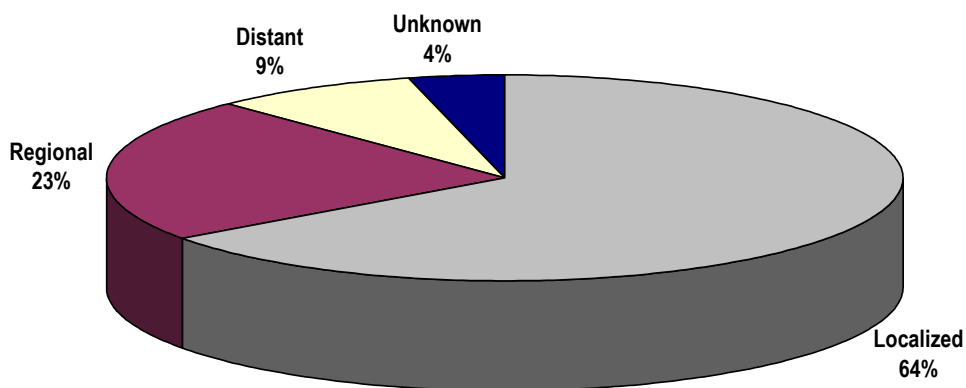
	Total				Male				Female			
	Cases	ASIR	95% CI		Cases	ASIR	95% CI		Cases	ASIR	95% CI	
00-04	<5	--	--	--	0	--	--	--	<5	--	--	--
05-09	<5	--	--	--	<5	--	--	--	<5	--	--	--
10-14	<5	--	--	--	0	--	--	--	<5	--	--	--
15-19	10	--	--	--	<5	--	--	--	9	--	--	--
20-24	18	3.1	1.8	4.9	5	--	--	--	13	--	--	--
25-29	26	5.5	3.6	8.1	<5	--	--	--	22	10.2	6.4	15.4
30-34	38	8.3	5.9	11.4	<5	--	--	--	35	16.1	11.2	22.4
35-39	53	10.7	8.0	14.0	10	--	--	--	43	17.7	12.8	23.8
40-44	61	10.8	8.3	13.9	13	--	--	--	48	16.7	12.3	22.2
45-49	68	11.5	9.0	14.6	17	5.9	3.4	9.5	51	16.9	12.6	22.3
50-54	61	10.8	8.3	13.9	16	5.7	3.3	9.3	45	15.8	11.6	21.2
55-59	60	13.0	9.9	16.7	17	7.4	4.3	11.9	43	18.4	13.3	24.7
60-64	43	12.8	9.2	17.2	14	--	--	--	29	16.7	11.2	24.0
65-69	35	12.9	9.0	17.9	12	--	--	--	23	16.2	10.3	24.4
70-74	32	13.1	9.0	18.5	17	15.2	8.8	24.3	15	11.4	6.4	18.8
75-79	28	12.6	8.4	18.2	10	--	--	--	18	14.3	8.5	22.6
80-84	25	14.5	9.4	21.4	6	--	--	--	19	18.6	11.2	29.1
85+	9	--	--	--	<5	--	--	--	6	--	--	--

Source: Cancer Registry of Northern California (CRNC)/ California Health Collaborative, Region 6/ CCR.

*Note: Excludes in situ cancers. ASIR = Average annual age-specific incidence rates per 100,000 by age group.

Rates based on fewer than fifteen cases are not shown. Veterans Health Administration hospitals did not report cancer cases to the California Cancer Registry (CCR) in 2005. Therefore, case counts and incidence rates for adult males in 2005 are underestimated and should be interpreted with caution (see Technical Notes of this report or www.ccrca.org/publications/VAtechnotes).

Figure 47: SEER Summary Stage of Disease at Diagnosis, Cancer Registry of Northern California, 2001-2005: Thyroid



Veterans Health Administration hospitals did not report cancer cases to the California Cancer Registry (CCR) in 2005. Therefore, case counts and incidence rates for adult males in 2005 are underestimated and should be interpreted with caution (see Technical Notes of this report or www.ccrca.org/publications/VAtechnotes).

URINARY BLADDER

Table 104: Number of New Cancer Cases, Annual Age-Adjusted Incidence Rates, and 95% Confidence Intervals (CI), by Year of Diagnosis and Sex, Cancer Registry of Northern California, 1988-2005: Urinary Bladder

	Total				Male				Female			
	Cases	AAIR	95% CI		Cases	AAIR	95% CI		Cases	AAIR	95% CI	
1988	294	22.0	19.5	24.7	225	38.9	33.8	44.7	69	9.4	7.2	12.0
1989	326	23.8	21.3	26.7	254	41.8	36.7	47.6	72	9.8	7.6	12.6
1990	321	23.1	20.6	25.9	241	40.7	35.5	46.4	80	10.2	8.0	12.8
1991	316	21.7	19.3	24.3	247	38.8	34.0	44.2	69	8.6	6.7	11.1
1992	337	22.8	20.4	25.5	255	40.2	35.3	45.7	82	10.0	7.9	12.5
1993	351	23.3	20.9	25.9	265	40.5	35.7	45.9	86	10.0	8.0	12.5
1994	393	25.9	23.3	28.6	285	43.6	38.6	49.2	108	12.5	10.2	15.2
1995	374	24.2	21.8	26.9	306	45.6	40.6	51.2	68	8.1	6.3	10.4
1996	373	23.7	21.3	26.3	275	41.1	36.4	46.5	98	11.0	8.9	13.5
1997	348	22.0	19.7	24.5	254	37.0	32.6	42.0	94	10.5	8.5	13.0
1998	376	23.2	20.9	25.7	284	40.1	35.5	45.1	92	10.3	8.3	12.7
1999	396	24.2	21.9	26.8	311	43.2	38.5	48.4	85	9.4	7.5	11.7
2000	436	26.1	23.7	28.7	328	45.3	40.5	50.5	108	11.7	9.6	14.2
2001	379	22.5	20.3	24.9	293	39.9	35.4	44.8	86	9.1	7.2	11.3
2002	427	25.2	22.8	27.7	348	46.5	41.8	51.7	79	8.4	6.6	10.6
2003	457	26.7	24.3	29.3	356	46.8	42.0	51.9	101	10.4	8.5	12.8
2004	458	26.4	24.0	29.0	338	44.2	39.6	49.3	120	12.2	10.1	14.7
2005	449	25.5	23.1	28.0	347	44.6	40.0	49.7	102	10.3	8.4	12.6
2001-2005	2,170	25.3	24.2	26.4	1,682	44.4	42.3	46.6	488	10.1	9.2	11.1

Table 105: Number of New Cancer Cases, Average Annual Age-Adjusted Incidence Rates, and 95% CI, by Race and Sex, County and Sex (All Races), Cancer Registry of Northern California, 2001-2005: Urinary Bladder

	Total				Male				Female			
	Cases	AAIR	95% CI		Cases	AAIR	95% CI		Cases	AAIR	95% CI	
All Races Combined	2,170	25.3	24.2	26.4	1,682	44.4	42.3	46.6	488	10.1	9.2	11.1
Non-Hispanic White	2,054	26.4	25.2	27.6	1,604	46.9	44.6	49.2	450	10.2	9.3	11.2
Non-Hispanic Black	8	--	--	--	5	--	--	--	<5	--	--	--
Hispanic	75	17.2	13.3	22.0	49	24.1	17.3	33.2	26	11.4	7.3	17.1
Asian-Pacific Islander	20	13.7	8.3	21.5	13	--	--	--	7	--	--	--
Butte	327	26.1	23.3	29.2	241	44.7	39.2	50.8	86	11.9	9.4	14.9
Lake	132	31.0	25.9	37.0	97	49.9	40.4	61.3	35	15.1	10.5	21.6
Mendocino	144	29.1	24.6	34.5	115	51.5	42.4	62.1	29	10.6	7.1	15.6
Napa	192	24.8	21.4	28.7	146	43.3	36.5	51.0	46	10.6	7.7	14.4
Shasta	273	26.2	23.2	29.6	217	46.9	40.8	53.7	56	9.5	7.2	12.6
Sonoma	607	24.7	22.7	26.7	481	45.4	41.4	49.7	126	9.1	7.6	11.0
Colusa/Glenn/Tehama	143	24.8	20.9	29.3	108	40.9	33.6	49.6	35	11.2	7.8	15.8
Del Norte/Humboldt	181	22.7	19.5	26.4	136	39.1	32.8	46.4	45	10.1	7.4	13.7
Lassen/Modoc/Plumas	55	15.6	11.7	20.7	48	28.4	20.8	38.4	7	--	--	--
Siskiyou/Trinity	116	28.4	23.4	34.5	93	48.8	39.2	60.6	23	10.4	6.6	16.9

Source: Cancer Registry of Northern California (CRNC)/California Health Collaborative, Region 6/CCR.

*Note: Rates based on fewer than fifteen cases are not shown. Race/ethnicity categories are mutually exclusive.

AAIR = Average annual age-adjusted incidence rates per 100,000 (2000 U.S. Standard) for the five-year period. Cases for small contiguous counties have been combined as noted. Veterans Health Administration hospitals did not report cancer cases to the California Cancer Registry (CCR) in 2005. Therefore, case counts and incidence rates for adult males in 2005 are underestimated and should be interpreted with caution (see Technical Notes of this report or www.ccrca.org/publications/VATechnotes).

URINARY BLADDER

Table 106: Number of New Cancer Cases, Average Annual Age-Specific Incidence Rates and 95% CI, by Age and Sex, Cancer Registry of Northern California, 2001-2005: Urinary Bladder

	Total				Male				Female			
	Cases	ASIR	95% CI		Cases	ASIR	95% CI		Cases	ASIR	95% CI	
00-04	0	--	--	--	0	--	--	--	0	--	--	--
05-09	0	--	--	--	0	--	--	--	0	--	--	--
10-14	<5	--	--	--	<5	--	--	--	0	--	--	--
15-19	<5	--	--	--	<5	--	--	--	0	--	--	--
20-24	<5	--	--	--	<5	--	--	--	0	--	--	--
25-29	<5	--	--	--	<5	--	--	--	0	--	--	--
30-34	5	--	--	--	5	--	--	--	0	--	--	--
35-39	6	--	--	--	<5	--	--	--	<5	--	--	--
40-44	29	5.1	3.4	7.4	22	7.9	4.9	12.0	7	--	--	--
45-49	52	8.8	6.6	11.6	44	15.3	11.1	20.5	8	--	--	--
50-54	102	18.1	14.8	22.0	82	29.4	23.4	36.5	20	7.0	4.3	10.9
55-59	162	35.0	29.8	40.8	125	54.7	45.5	65.2	37	15.8	11.1	21.8
60-64	204	60.6	52.5	69.5	160	97.9	83.3	114.3	44	25.4	18.4	34.1
65-69	272	100.2	88.6	112.8	211	162.5	141.3	186.0	61	43.1	32.9	55.3
70-74	319	130.9	116.9	146.0	255	227.7	200.6	257.4	64	48.6	37.4	62.0
75-79	398	178.8	161.7	197.3	321	331.8	296.5	370.2	77	61.2	48.3	76.5
80-84	351	203.7	182.9	226.1	273	388.8	344.0	437.7	78	76.4	60.4	95.3
85+	266	178.5	157.7	201.2	177	345.8	296.8	400.7	89	90.9	73.0	111.9

Source: Cancer Registry of Northern California (CRNC)/ California Health Collaborative, Region 6/ CCR.

* Note: ASIR = Average annual age-specific incidence rates per 100,000 by a age group.

Rates based on fewer than fifteen cases are not shown. Veterans Health Administration hospitals did not report cancer cases to the California Cancer Registry (CCR) in 2005. Therefore, case counts and incidence rates for adult males in 2005 are underestimated and should be interpreted with caution (see Technical Notes of this report or www.ccrca.org/publications/VAtechnotes).

Cancer Mortality Rate Tables

ALL SITES (MORTALITY)

Table 107: Number of Cancer Deaths, Annual Age-Adjusted Mortality Rates, and 95% Confidence Intervals (CI) by Year of Death and Sex, Cancer Registry of Northern California, 1988-2005: All Sites

	Total				Male				Female			
	Deaths	AAMR	95% CI		Deaths	AAMR	95% CI		Deaths	AAMR	95% CI	
1988	2,894	221.3	213.1	229.7	1,550	272.6	258.7	287.2	1,344	187.3	177.1	197.9
1989	3,019	224.9	216.8	233.2	1,608	273.4	259.8	287.8	1,411	192.1	181.9	202.7
1990	3,080	222.3	214.4	230.5	1,697	282.3	268.6	296.6	1,383	181.3	171.7	191.5
1991	2,908	204.7	197.2	212.4	1,531	247.3	234.7	260.5	1,377	175.5	166.2	185.3
1992	3,230	222.7	215.0	230.6	1,729	277.5	264.2	291.4	1,501	185.9	176.4	195.8
1993	3,156	213.5	206.1	221.2	1,685	265.8	253.0	279.2	1,471	179.6	170.4	189.3
1994	3,315	220.7	213.2	228.4	1,700	263.1	250.5	276.3	1,615	192.0	182.7	201.8
1995	3,189	208.4	201.2	215.8	1,674	253.8	241.6	266.6	1,515	178.5	169.5	187.9
1996	3,240	208.0	200.8	215.3	1,728	258.8	246.5	271.5	1,512	173.9	165.2	183.1
1997	3,446	217.5	210.3	224.9	1,819	265.7	253.5	278.4	1,627	184.0	175.1	193.3
1998	3,262	202.8	195.9	210.0	1,701	242.9	231.4	254.9	1,561	175.4	166.7	184.5
1999	3,294	201.3	194.5	208.3	1,734	244.3	232.9	256.2	1,560	171.0	162.6	179.9
2000	3,360	202.3	195.5	209.3	1,710	238.4	227.2	250.1	1,650	177.6	169.1	186.6
2001	3,411	203.5	196.7	210.5	1,744	239.2	228.1	250.8	1,667	179.6	171.0	188.6
2002	3,367	197.8	191.2	204.7	1,764	238.5	227.5	250.0	1,603	169.3	161.0	178.0
2003	3,338	193.7	187.1	200.4	1,740	229.9	219.2	241.1	1,598	166.4	158.2	174.9
2004	3,411	195.4	188.9	202.2	1,836	240.1	229.2	251.5	1,575	162.3	154.3	170.7
2005	3,379	191.4	185.0	198.1	1,784	229.9	219.3	240.9	1,595	163.5	155.4	171.9
2001-2005	16,906	196.3	193.3	199.3	8,868	235.5	230.6	240.4	8,038	168.0	164.3	171.8

Table 108: Number of Cancer Deaths, Average Annual Age-Adjusted Mortality Rates, and 95% Confidence Intervals (CI), by Race and Sex, County and Sex (All Races), Cancer Registry of Northern California, 2001-2005: All Sites

	Total				Male				Female			
	Deaths	AAMR	95% CI		Deaths	AAMR	95% CI		Deaths	AAMR	95% CI	
All Races Combined	16,906	196.3	193.3	199.3	8,868	235.5	230.6	240.4	8,038	168.0	164.3	171.8
Non-Hispanic White	15,638	200.5	197.4	203.8	8,178	240.2	235.0	245.6	7,460	171.9	168.0	176.0
Non-Hispanic Black	184	255.4	219.0	296.5	123	348.3	285.7	422.6	61	174.1	133.0	224.8
Hispanic	672	160.6	147.9	174.2	365	193.1	171.8	216.6	307	137.3	121.7	154.4
Asian-Pacific Islander	198	124.3	107.1	143.7	97	145.7	116.8	180.5	101	109.3	88.6	133.6
Butte	2,367	190.9	183.2	198.9	1,252	232.9	220.1	246.3	1,115	160.5	151.0	170.7
Lake	970	231.9	217.4	247.3	523	272.9	249.8	297.8	447	200.3	182.0	220.5
Mendocino	989	197.4	185.2	210.3	504	223.7	204.3	244.5	485	175.3	159.9	192.1
Napa	1,551	197.1	187.3	207.4	845	247.7	231.2	265.1	706	160.7	148.7	173.5
Shasta	2,110	203.6	195.0	212.6	1,136	249.0	234.7	264.1	974	170.1	159.5	181.4
Sonoma	4,651	186.6	181.2	192.1	2,322	222.1	213.1	231.5	2,329	163.7	157.0	170.7
Colusa/Glenn/Tehama	1,101	190.4	179.3	202.1	580	222.6	204.8	241.6	521	165.9	151.9	181.1
Del Norte/Humboldt	1,704	212.2	202.2	222.6	902	256.0	239.4	273.6	802	179.2	166.9	192.3
Lassen/Modoc/Plumas	669	193.6	179.1	209.1	363	224.2	201.3	249.4	306	172.8	153.8	194.0
Siskiyou/Trinity	794	194.0	180.6	208.5	441	229.3	208.1	252.6	353	164.6	147.6	183.8

Source: California Department of Health Services, Center for Health Statistics.

*Note: AAMR = Average annual age-adjusted mortality rate per 100,000 (2000 U.S. Standard) for five-year period.

Rates based on fewer than fifteen deaths are not shown.

Table 109: Number of Cancer Deaths, Average Annual Age-Specific Mortality Rates and 95% CI, by Age and Sex, Cancer Registry of Northern California, 2001-2005: All Sites

	Total				Male				Female			
	Deaths	ASMR	95% CI		Deaths	ASMR	95% CI		Deaths	ASMR	95% CI	
00-04	5	--	--	--	<5	--	--	--	<5	--	--	--
05-09	8	--	--	--	5	--	--	--	<5	--	--	--
10-14	20	3.7	2.3	5.8	8	--	--	--	12	--	--	--
15-19	19	3.3	2.0	5.2	13	--	--	--	6	--	--	--
20-24	24	4.1	2.6	6.2	15	4.9	2.8	8.1	9	--	--	--
25-29	33	7.0	4.8	9.9	19	7.5	4.5	11.7	14	--	--	--
30-34	45	9.8	7.2	13.2	22	9.1	5.7	13.8	23	10.6	6.7	15.9
35-39	104	21.0	17.2	25.4	48	19.1	14.1	25.3	56	23.0	17.4	29.9
40-44	255	45.1	39.7	51.0	121	43.4	36.0	51.9	134	46.7	39.1	55.3
45-49	475	80.7	73.6	88.3	228	79.2	69.3	90.2	247	82.1	72.1	92.9
50-54	893	158.7	148.5	169.5	473	169.8	154.9	185.8	420	147.8	134.0	162.7
55-59	1,201	259.5	245.0	274.6	623	272.6	251.6	294.9	578	246.7	227.0	267.7
60-64	1,570	466.0	443.3	489.7	849	519.5	485.1	555.7	721	415.7	385.9	447.2
65-69	1,916	705.7	674.4	738.0	1,064	819.4	770.9	870.1	852	601.5	561.8	643.3
70-74	2,258	926.3	888.4	965.3	1,192	1064.4	1004.8	1126.5	1,066	808.9	761.1	858.9
75-79	2,760	1240.0	1194.2	1287.1	1,520	1571.1	1493.1	1652.1	1,240	985.4	931.3	1041.8
80-84	2,616	1517.9	1460.3	1577.2	1,360	1936.7	1835.1	2042.4	1,256	1229.9	1162.8	1299.9
85+	2,704	1814.1	1746.3	1883.8	1,306	2551.7	2415.1	2693.9	1,398	1428.4	1354.5	1505.3

Source: California Department of Health Services, Center for Health Statistics.

*Note: ASMR = Age-specific mortality rates per 100,000 by age group.

Rates based on fewer than fifteen deaths are not shown.

BREAST (MORTALITY)

Table 110: Number of Cancer Deaths, Annual Age-Adjusted Mortality Rates, and 95% Confidence Intervals (CI) by Year of Death and Sex, Cancer Registry of Northern California, 1988-2005: Breast

	Total				Male				Female			
	Deaths	AAMR	95% CI		Deaths	AAMR	95% CI		Deaths	AAMR	95% CI	
1988	226	18.3	15.9	20.9	<5	--	--	--	225	33.2	28.9	38.1
1989	215	16.6	14.4	19.1	<5	--	--	--	213	29.8	25.8	34.2
1990	242	17.9	15.7	20.4	<5	--	--	--	241	32.6	28.5	37.2
1991	226	16.4	14.3	18.8	<5	--	--	--	224	29.4	25.6	33.7
1992	240	17.1	14.9	19.4	<5	--	--	--	238	31.0	27.1	35.3
1993	232	16.1	14.1	18.4	<5	--	--	--	229	28.9	25.2	33.0
1994	254	17.5	15.4	19.8	<5	--	--	--	252	31.5	27.6	35.7
1995	236	16.2	14.2	18.4	<5	--	--	--	235	30.0	26.2	34.2
1996	225	14.8	12.9	16.8	0	--	--	--	225	26.7	23.3	30.6
1997	249	16.1	14.2	18.3	<5	--	--	--	247	29.2	25.7	33.2
1998	217	13.8	12.0	15.8	<5	--	--	--	216	25.2	21.9	28.9
1999	237	14.6	12.8	16.6	<5	--	--	--	236	26.3	23.1	30.0
2000	253	15.2	13.4	17.3	5	--	--	--	248	27.2	23.8	30.9
2001	255	15.3	13.4	17.3	<5	--	--	--	254	27.9	24.6	31.7
2002	207	12.1	10.5	14.0	<5	--	--	--	205	22.1	19.1	25.4
2003	199	11.6	10.0	13.4	<5	--	--	--	195	20.7	17.9	23.9
2004	225	12.9	11.2	14.7	<5	--	--	--	224	23.6	20.5	27.0
2005	210	11.7	10.2	13.4	<5	--	--	--	206	21.0	18.2	24.2
2001-2005	1,096	12.7	12.0	13.5	12	--	--	--	1,084	23.0	21.7	24.5

Table 111: Number of Cancer Deaths, Average Annual Age-Adjusted Mortality Rates, and 95% Confidence Intervals (CI), by Race and Sex, County and Sex (All Races), Cancer Registry of Northern California, 2001-2005: Breast

	Total				Male				Female			
	Deaths	AAMR	95% CI		Deaths	AAMR	95% CI		Deaths	AAMR	95% CI	
All Races Combined	1,096	12.7	12.0	13.5	12	--	--	--	1,084	23.0	21.7	24.5
Non-Hispanic White	1,028	13.3	12.5	14.2	12	--	--	--	1,016	24.0	22.6	25.6
Non-Hispanic Black	8	10.2	4.2	21.2	0	--	--	--	8	22.5	9.6	45.6
Hispanic	36	7.3	4.9	10.7	0	--	--	--	36	14.3	9.8	20.4
Asian-Pacific Islander	14	7.9	4.2	14	0	--	--	--	14	14	7.5	24.4
Butte	131	11.0	9.2	13.2	<5	--	--	--	128	19.6	16.3	23.6
Lake	57	14.0	10.6	18.4	0	--	--	--	57	26.7	20.2	35.3
Mendocino	71	14.1	11.0	18.0	<5	--	--	--	70	25.5	19.8	32.7
Napa	100	12.8	10.4	15.7	<5	--	--	--	98	22.9	18.5	28.2
Shasta	144	13.9	11.7	16.5	<5	--	--	--	143	25.3	21.3	30.0
Sonoma	334	13.1	11.7	14.6	<5	--	--	--	331	23.4	20.9	26.1
Colusa/Glenn/Tehama	62	11.0	8.4	14.1	0	--	--	--	62	20.1	15.4	26.1
Del Norte/Humboldt	104	12.8	10.5	15.6	0	--	--	--	104	23.2	18.9	28.3
Lassen/Modoc/Plumas	48	13.9	10.2	18.8	0	--	--	--	48	27.9	20.5	37.8
Siskiyou/Trinity	45	11.7	8.5	16.2	<5	--	--	--	43	21.2	15.2	29.8

Source: California Department of Health Services, Center for Health Statistics.

*Note: AAMR = Average annual age-adjusted mortality rate per 100,000 (2000 U.S. Standard) for five-year period.

Rates based on fewer than fifteen deaths are not shown.

Table 112: Number of Cancer Deaths, Average Annual Age-Specific Mortality Rates and 95% CI, by Age and Sex, Cancer Registry of Northern California, 2001-2005: Breast

	Total				Male				Female			
	Deaths	ASMR	95% CI		Deaths	ASMR	95% CI		Deaths	ASMR	95% CI	
00-04	0	--	--	--	0	--	--	--	0	--	--	--
05-09	0	--	--	--	0	--	--	--	0	--	--	--
10-14	0	--	--	--	0	--	--	--	0	--	--	--
15-19	0	--	--	--	0	--	--	--	0	--	--	--
20-24	0	--	--	--	0	--	--	--	0	--	--	--
25-29	<5	--	--	--	0	--	--	--	<5	--	--	--
30-34	<5	--	--	--	0	--	--	--	<5	--	--	--
35-39	14	--	--	--	0	--	--	--	14	--	--	--
40-44	40	7.1	5.1	9.6	0	--	--	--	40	13.9	10.0	19.0
45-49	72	12.2	9.6	15.4	<5	--	--	--	71	23.6	18.4	29.8
50-54	97	17.2	14.0	21.0	<5	--	--	--	96	33.8	27.4	41.3
55-59	108	23.3	19.1	28.2	<5	--	--	--	106	45.2	37.0	54.7
60-64	121	35.9	29.8	42.9	<5	--	--	--	119	68.6	56.8	82.1
65-69	85	31.3	25.0	38.7	<5	--	--	--	84	59.3	47.3	73.4
70-74	126	51.7	43.1	61.5	<5	--	--	--	124	94.1	78.3	112.2
75-79	108	48.5	39.8	58.6	0	--	--	--	108	85.8	70.4	103.6
80-84	162	94.0	80.1	109.6	<5	--	--	--	160	156.7	133.3	182.9
85+	159	106.7	90.7	124.6	<5	--	--	--	158	161.4	137.2	188.7

Source: California Department of Health Services, Center for Health Statistics.

*Note: ASMR = Age-specific mortality rates per 100,000 by age group.

Rates based on fewer than fifteen deaths are not shown.

COLON & RECTUM (MORTALITY)

Table 113: Number of Cancer Deaths, Annual Age-Adjusted Mortality Rates, and 95% Confidence Intervals (CI) by Year of Death and Sex, Cancer Registry of Northern California, 1988-2005: Colon & Rectum

	Total				Male				Female			
	Deaths	AAMR	95% CI		Deaths	AAMR	95% CI		Deaths	AAMR	95% CI	
1988	356	26.9	24.1	29.9	178	31.0	26.5	36.3	178	23.8	20.4	27.7
1989	334	24.9	22.3	27.8	168	29.7	25.2	34.9	166	21.8	18.6	25.6
1990	331	24.3	21.7	27.1	179	30.5	26.0	35.6	152	19.2	16.2	22.7
1991	288	20.4	18.1	23.0	135	22.1	18.4	26.4	153	19.1	16.1	22.5
1992	334	23.0	20.6	25.7	175	29.1	24.8	34.0	159	19.0	16.1	22.3
1993	310	20.9	18.6	23.4	163	25.4	21.6	29.8	147	17.5	14.7	20.6
1994	331	21.8	19.5	24.3	164	25.2	21.4	29.5	167	18.8	16.0	22.0
1995	322	20.8	18.6	23.2	174	26.8	22.9	31.2	148	16.5	13.9	19.4
1996	322	20.7	18.5	23.1	182	27.9	23.9	32.4	140	15.6	13.1	18.5
1997	351	22.0	19.7	24.4	170	25.1	21.4	29.3	181	19.3	16.6	22.4
1998	291	18.0	16.0	20.2	146	20.7	17.5	24.5	145	15.4	13.0	18.3
1999	322	19.5	17.5	21.8	163	23.1	19.7	27.0	159	17.1	14.5	20.0
2000	321	19.3	17.2	21.5	159	22.6	19.2	26.5	162	16.6	14.1	19.5
2001	330	19.5	17.4	21.7	175	24.1	20.7	28.1	155	16.1	13.6	19.0
2002	313	18.2	16.2	20.3	157	21.4	18.1	25.0	156	15.7	13.3	18.4
2003	354	20.2	18.1	22.5	181	24.1	20.7	27.9	173	16.9	14.4	19.7
2004	319	18.1	16.2	20.3	151	19.9	16.8	23.4	168	16.5	14.1	19.4
2005	329	18.4	16.5	20.6	184	23.4	20.2	27.2	145	14.4	12.1	17.1
2001-2005	1,645	18.8	17.9	19.8	848	22.5	21.0	24.1	797	15.9	14.8	17.1

Table 114: Number of Cancer Deaths, Average Annual Age-Adjusted Mortality Rates, and 95% Confidence Intervals (CI), by Race and Sex, County and Sex (All Races), Cancer Registry of Northern California, 2001-2005: Colon & Rectum

	Total				Male				Female			
	Deaths	AAMR	95% CI		Deaths	AAMR	95% CI		Deaths	AAMR	95% CI	
All Races Combined	1,645	18.8	17.9	19.8	848	22.5	21.0	24.1	797	15.9	14.8	17.1
Non-Hispanic White	1,538	19.3	18.3	20.3	788	23.0	21.4	24.7	750	16.3	15.1	17.6
Non-Hispanic Black	19	27.5	16.4	43.6	12	--	--	--	7	--	--	--
Hispanic	53	13.0	9.5	17.4	29	15.9	10.2	24.1	24	10.9	6.8	16.7
Asian-Pacific Islander	14	--	--	--	8	--	--	--	6	--	--	--
Butte	228	18.0	15.7	20.6	111	20.6	16.9	25.0	117	15.7	12.9	19.1
Lake	81	19.0	15.1	23.9	45	22.8	16.6	31.0	36	15.6	10.8	22.3
Mendocino	90	18.3	14.7	22.7	49	22.7	16.8	30.3	41	14.9	10.6	20.6
Napa	164	20.0	17.0	23.4	83	24.2	19.2	30.1	81	17.0	13.4	21.5
Shasta	195	18.5	16.0	21.3	97	21.0	17.0	25.8	98	16.5	13.3	20.2
Sonoma	488	19.3	17.6	21.1	243	23.4	20.5	26.5	245	16.1	14.1	18.4
Colusa/Glenn/Tehama	120	20.7	17.1	24.8	64	24.3	18.7	31.2	56	17.2	12.9	22.6
Del Norte/Humboldt	144	18.0	15.2	21.3	85	24.8	19.7	30.8	59	13.1	10.0	17.2
Lassen/Modoc/Plumas	70	20.1	15.7	25.8	35	21.8	15.1	31.1	35	19.5	13.6	27.9
Siskiyou/Trinity	65	15.7	12.1	20.4	36	18.5	12.9	26.6	29	12.8	8.6	19.6

Source: California Department of Health Services, Center for Health Statistics.

*Note: AAMR = Average annual age-adjusted mortality rate per 100,000 (2000 U.S. Standard) for five-year period.

Rates based on fewer than fifteen deaths are not shown.

Table 115: Number of Cancer Deaths, Average Annual Age-Specific Mortality Rates and 95% CI, by Age and Sex, Cancer Registry of Northern California, 2001-2005: Colon & Rectum

	Total				Male				Female			
	Deaths	ASMR	95% CI		Deaths	ASMR	95% CI		Deaths	ASMR	95% CI	
00-04	0	--	--	--	0	--	--	--	0	--	--	--
05-09	0	--	--	--	0	--	--	--	0	--	--	--
10-14	0	--	--	--	0	--	--	--	0	--	--	--
15-19	0	--	--	--	0	--	--	--	0	--	--	--
20-24	<5	--	--	--	0	--	--	--	<5	--	--	--
25-29	<5	--	--	--	<5	--	--	--	0	--	--	--
30-34	<5	--	--	--	<5	--	--	--	<5	--	--	--
35-39	7	--	--	--	<5	--	--	--	5	--	--	--
40-44	20	3.5	2.2	5.5	11	--	--	--	9	--	--	--
45-49	33	5.6	3.9	7.9	15	5.2	2.9	8.6	18	6.0	3.5	9.5
50-54	73	13.0	10.2	16.3	33	11.8	8.2	16.6	40	14.1	10.1	19.2
55-59	86	18.6	14.9	22.9	56	24.5	18.5	31.8	30	12.8	8.6	18.3
60-64	140	41.6	35.0	49.0	87	53.2	42.6	65.7	53	30.6	22.9	40.0
65-69	188	69.2	59.7	79.9	109	83.9	68.9	101.3	79	55.8	44.2	69.5
70-74	196	80.4	69.5	92.5	113	100.9	83.2	121.3	83	63.0	50.2	78.1
75-79	229	102.9	90.0	117.1	133	137.5	115.1	162.9	96	76.3	61.8	93.2
80-84	309	179.3	159.9	200.4	154	219.3	186.0	256.8	155	151.8	128.8	177.6
85+	358	240.2	215.9	266.4	132	257.9	215.8	305.8	226	230.9	201.8	263.1

Source: California Department of Health Services, Center for Health Statistics.

*Note: ASMR = Age-specific mortality rates per 100,000 by age group.

Rates based on fewer than fifteen deaths are not shown.

LUNG & BRONCHUS (MORTALITY)

Table 116: Number of Cancer Deaths, Annual Age-Adjusted Mortality Rates, and 95% Confidence Intervals (CI) by Year of Death and Sex, Cancer Registry of Northern California, 1988-2005: Lung & Bronchus

	Total				Male				Female			
	Deaths	AAMR	95% CI		Deaths	AAMR	95% CI		Deaths	AAMR	95% CI	
1988	814	61.1	56.9	65.5	487	82.8	75.4	90.9	327	45.2	40.3	50.6
1989	832	60.8	56.7	65.2	489	80.0	72.9	87.8	343	46.7	41.8	52.2
1990	931	65.8	61.6	70.3	594	96.8	89.0	105.3	337	44.0	39.3	49.2
1991	864	60.3	56.3	64.6	502	79.2	72.2	86.7	362	46.7	41.9	52.0
1992	944	64.1	60.1	68.4	549	85.3	78.2	93.0	395	48.7	43.9	53.9
1993	941	62.8	58.8	67.0	546	83.7	76.7	91.3	395	47.9	43.2	53.0
1994	988	64.8	60.8	69.1	537	79.4	72.7	86.6	451	54.1	49.2	59.5
1995	929	60.4	56.6	64.5	500	74.3	67.9	81.3	429	50.2	45.5	55.3
1996	947	60.1	56.3	64.1	510	73.8	67.4	80.6	437	50.0	45.4	55.0
1997	1,003	62.9	59.1	67.0	562	80.2	73.7	87.3	441	50.4	45.7	55.4
1998	995	61.6	57.8	65.6	558	77.9	71.6	84.8	437	49.5	44.9	54.4
1999	940	57.6	54.0	61.4	535	74.5	68.3	81.1	405	45.1	40.8	49.8
2000	973	58.8	55.1	62.6	510	70.2	64.2	76.6	463	50.5	46.0	55.4
2001	985	58.9	55.3	62.8	506	69.0	63.1	75.4	479	51.9	47.3	56.9
2002	1,025	60.6	56.9	64.5	553	74.4	68.3	81.0	472	50.8	46.3	55.8
2003	957	56.1	52.6	59.8	494	64.8	59.2	70.9	463	49.5	45.0	54.3
2004	942	54.4	51.0	58.1	511	66.4	60.7	72.5	431	45.3	41.1	49.9
2005	972	55.8	52.3	59.4	507	65.4	59.7	71.4	465	48.6	44.2	53.4
2001-2005	4,881	57.1	55.5	58.7	2,571	68.0	65.4	70.7	2,310	49.1	47.1	51.2

Table 117: Number of Cancer Deaths, Average Annual Age-Adjusted Mortality Rates, and 95% Confidence Intervals (CI), by Race and Sex, County and Sex (All Races), Cancer Registry of Northern California, 2001-2005: Lung & Bronchus

	Total				Male				Female			
	Deaths	AAMR	95% CI		Deaths	AAMR	95% CI		Deaths	AAMR	95% CI	
All Races Combined	4,881	57.1	55.5	58.7	2,571	68.0	65.4	70.7	2,310	49.1	47.1	51.2
Non-Hispanic White	4,577	59.0	57.3	60.7	2,404	70.0	67.3	72.9	2,173	50.8	48.7	53.0
Non-Hispanic Black	41	61.1	43.5	83.6	28	91.1	59.4	135.7	13	--	--	--
Hispanic	152	36.7	30.8	43.4	85	45.5	35.6	57.8	67	30.4	23.4	39.0
Asian-Pacific Islander	47	30.6	22.3	41.2	26	41.3	26.6	62.3	21	23.3	14.3	36.2
Butte	708	57.6	53.3	62.1	382	71.1	64.2	78.8	326	47.7	42.6	53.5
Lake	329	77.4	69.2	86.4	172	87.9	75.2	102.6	157	69.3	58.8	81.6
Mendocino	259	52.2	46.0	59.1	133	59.3	49.5	70.5	126	46.7	38.8	56.0
Napa	402	51.9	46.9	57.4	229	67.7	59.2	77.2	173	40.3	34.4	47.0
Shasta	678	65.2	60.4	70.3	387	84.0	75.8	93.0	291	51.3	45.6	57.8
Sonoma	1,212	49.8	47.0	52.7	586	56.1	51.6	60.9	626	45.6	42.0	49.4
Colusa/Glenn/Tehama	354	60.9	54.7	67.7	188	71.4	61.5	82.5	166	53.1	45.3	62.0
Del Norte/Humboldt	501	62.5	57.1	68.3	252	70.1	61.6	79.5	249	56.3	49.5	64.0
Lassen/Modoc/Plumas	183	52.1	44.8	60.5	102	61.6	50.0	75.5	81	45.0	35.7	56.6
Siskiyou/Trinity	255	61.3	53.9	69.7	140	71.3	59.9	85.0	115	52.9	43.6	64.4

Source: California Department of Health Services, Center for Health Statistics.

*Note: AAMR = Average annual age-adjusted mortality rate per 100,000 (2000 U.S. Standard) for five-year period.

Rates based on fewer than fifteen deaths are not shown.

LUNG & BRONCHUS (MORTALITY)

Table 118: Number of Cancer Deaths, Average Annual Age-Specific Mortality Rates and 95% CI, by Age and Sex, Cancer Registry of Northern California, 2001-2005: Lung & Bronchus

	Total				Male				Female			
	Deaths	ASMR	95% CI		Deaths	ASMR	95% CI		Deaths	ASMR	95% CI	
00-04	0	--	--	--	0	--	--	--	0	--	--	--
05-09	0	--	--	--	0	--	--	--	0	--	--	--
10-14	0	--	--	--	0	--	--	--	0	--	--	--
15-19	0	--	--	--	0	--	--	--	0	--	--	--
20-24	0	--	--	--	0	--	--	--	0	--	--	--
25-29	<5	--	--	--	0	--	--	--	<5	--	--	--
30-34	<5	--	--	--	0	--	--	--	<5	--	--	--
35-39	9	--	--	--	5	--	--	--	<5	--	--	--
40-44	43	7.6	5.5	10.2	21	7.5	4.7	11.5	22	7.7	4.8	11.6
45-49	86	14.6	11.7	18.0	39	13.6	9.6	18.5	47	15.6	11.5	20.8
50-54	206	36.6	31.8	42.0	116	41.6	34.4	49.9	90	31.7	25.5	38.9
55-59	362	78.2	70.4	86.7	182	79.6	68.5	92.1	180	76.8	66.0	88.9
60-64	525	155.8	142.8	169.8	286	175.0	155.3	196.5	239	137.8	120.9	156.4
65-69	652	240.1	222.1	259.3	352	271.1	243.5	300.9	300	211.8	188.5	237.2
70-74	827	339.2	316.5	363.2	435	388.4	352.8	426.7	392	297.5	268.7	328.4
75-79	920	413.3	387.1	440.9	478	494.1	450.8	540.4	442	351.3	319.3	385.6
80-84	725	420.7	390.6	452.4	387	551.1	497.6	608.8	338	331.0	296.6	368.2
85+	523	350.9	321.4	382.3	270	527.5	466.5	594.4	253	258.5	227.6	292.4

Source: California Department of Health Services, Center for Health Statistics.

*Note: ASMR = Age-specific mortality rates per 100,000 by age group.

Rates based on fewer than fifteen deaths are not shown.

PROSTATE (MORTALITY)

Table 119: Number of Cancer Deaths, Annual Age-Adjusted Mortality Rates, and 95% Confidence Intervals (CI) by Year of Death, Cancer Registry of Northern California, 1988-2005: Prostate

	Male			
	Deaths	AAMR	95% CI	
1988	197	37.5	32.3	43.5
1989	224	42.2	36.7	48.5
1990	194	34.7	29.8	40.3
1991	219	37.5	32.6	43.2
1992	236	39.9	34.8	45.6
1993	226	39.4	34.2	45.1
1994	223	38.2	33.2	43.8
1995	229	37.3	32.5	42.6
1996	235	37.8	33.0	43.1
1997	231	36.4	31.7	41.5
1998	212	32.1	27.9	36.8
1999	206	30.7	26.6	35.3
2000	215	31.5	27.4	36.1
2001	207	29.9	26.0	34.4
2002	185	26.2	22.6	30.3
2003	191	26.4	22.8	30.5
2004	191	26.0	22.4	30.0
2005	190	25.5	22.0	29.4
2001-2005	964	26.8	25.1	28.5

Table 120: Number of Cancer Deaths, Average Annual Age-Adjusted Mortality Rates, and 95% Confidence Intervals (CI), by Race, County and Sex (All Races), Cancer Registry of Northern California, 2001-2005: Prostate

	Male			
	Deaths	AAMR	95% CI	
All Races Combined	964	26.8	25.1	28.5
Non-Hispanic White	896	26.9	25.1	28.7
Non-Hispanic Black	22	80.5	49.4	125.3
Hispanic	29	21.3	14.1	31.2
Asian-Pacific Islander	10	--	--	--
Butte	136	24.5	20.5	29.1
Lake	55	29.5	22.2	38.9
Mendocino	42	20.2	14.5	27.6
Napa	98	28.8	23.4	35.2
Shasta	99	23.1	18.8	28.3
Sonoma	284	29.0	25.7	32.6
Colusa/Glenn/Tehama	61	24.7	18.9	31.9
Del Norte/Humboldt	102	31.3	25.5	38.1
Lassen/Modoc/Plumas	43	30.5	21.9	41.7
Siskiyou/Trinity	44	24.1	17.4	33.2

Source: California Department of Health Services, Center for Health Statistics.

*Note: AAMR = Average annual age-adjusted mortality rate per 100,000 (2000 U.S. Standard) for five-year period.

Rates based on fewer than fifteen deaths are not shown.

Table 121: Number of Cancer Deaths, Average Annual Age-Specific Mortality Rates and 95% CI, by Age and Sex, Cancer Registry of Northern California, 2001-2005: Prostate

	Male			
	Deaths	ASMR	95% CI	
00-04	0	--	--	--
05-09	0	--	--	--
10-14	0	--	--	--
15-19	0	--	--	--
20-24	0	--	--	--
25-29	0	--	--	--
30-34	0	--	--	--
35-39	0	--	--	--
40-44	<5	--	--	--
45-49	<5	--	--	--
50-54	9	--	--	--
55-59	13	--	--	--
60-64	36	22.0	15.4	30.5
65-69	72	55.4	43.4	69.8
70-74	88	78.6	63.0	96.8
75-79	206	212.9	184.8	244.1
80-84	217	309.0	269.3	353.0
85+	320	625.2	558.6	697.6

Source: California Department of Health Services, Center for Health Statistics.

*Note: ASMR = Age-specific mortality rates per 100,000 by age group.

Rates based on fewer than fifteen deaths are not shown.

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APPENDICES

Appendix A. Cancer Registry of Northern California (Region 6) Reporting Facilities

Banner Lassen Medical Center
1800 Spring Ridge Dr.
Susanville, CA 96130

Healdsburg General Hospital
1375 University Street
Healdsburg, CA 95448

Biggs Gridley Memorial Hospital
240 Spruce Street
Gridley, CA 95948

Indian Valley Hospital District
184 Hot Springs Road
Greenville, CA 95947

Chico Surgery Center
615 West East Avenue
Chico, CA 95926

Jerold Phelps Community Hospital
733 Cedar Street
Garberville, CA 95542

Colusa Community Hospital
199 East Webster Street
Colusa, CA 95932

Kaiser Foundation Hospital-Santa Rosa
401 Bicentennial Way
Santa Rosa, CA 95403-2912

Court Street Surgery Center
2184 Court Street
Redding, CA 96001

Mad River Community Hospital
3800 Janes Road
Arcata, CA 95521

Eastern Plumas District Hospital
500 First Avenue
Portola, CA 96122

Mayers Memorial Hospital District
43563 State Highway 299 East
Fall River Mills, CA 96028

Enloe Medical Center
1531 Esplanade
Chico, CA 95926

Mendocino Coast District Hospital
700 River Drive
Fort Bragg, CA 95437

Fairchild Medical Center
444 Bruce St.
Yreka, CA 96097

Mendocino Community Clinic
333 Laws Avenue
Ukiah, CA 95482

Feather River Hospital
5974 Pentz Road
Paradise, CA 95969

Mercy Medical Center - Mount Shasta
914 Pine Street
Mount Shasta, CA 96067

Frank R. Howard Memorial Hospital
1 Madrone Street
Willits, CA 95490

Mercy Medical Center - Redding
P.O. Box 496009
Redding, CA 96049-6009

Glenn Medical Center
1133 West Sycamore Street
Willows, CA 95988

Modoc Medical Center
228 McDowell Street
Alturas, CA 96101

Mountain Community Medical Services 410 North Taylor Street Weaverville, CA 96093	Rohnert Park Cancer Center 301 Professional Center Drive Rohnert Park, CA 94928
Oroville Hospital 2767 Olive Highway Oroville, CA 95966	ROMSO 6274 Steiffer Road Paradise, CA 95954
Palm Drive Hospital 501 Petaluma Avenue Sebastopol, CA 95472	Santa Rosa Memorial Hospital 1165 Montgomery Drive Santa Rosa, CA 95405
Patients Hospital of Redding 2900 Eureka Way Redding, CA 96001	Seneca District Hospital 130 Brentwood Drive Chester, CA 96020
Petaluma Valley Hospital 400 North McDowell Boulevard Petaluma, CA 94954	Shasta Regional Medical Center 1100 Butte Street Redding, CA 96001
Plumas District Hospital 1065 Bucks Lake Road Quincy, CA 95971	Skyway Surgery Center 121 Raley Boulevard Chico, CA 95928
Queen of the Valley Hospital 1000 Trancas Street Napa, CA 94558	Sonoma Valley Hospital 347 Andrieux Street Sonoma, CA 95476
Red Bluff Tumor Institute 2516 Sister Mary Columba Dr. Red Bluff, CA 96080	St. Elizabeth Community Hospital 2550 Sister Mary Columbia Drive Red Bluff, CA 96080
Redbud Community Hospital PO Box 6710 Clearlake, CA 95422	St. Helena Hospital 650 Sanitarium Road Deer Park, CA 94576
Redding Cancer Treatment Center 963 Butte Street Redding, CA 96001	St. Joseph Hospital 2700 Dolbeer Street Eureka, CA 95501
Redding Surgery Center 2439 Sonoma Street Redding, CA 96001	Surprise Valley District Hospital PO Box 246 Cedarville, CA 96104
Redwood Memorial Hospital 3300 Renner Drive Fortuna, CA 95540	Sutter Coast Community Hospital 800 East Washington Boulevard Crescent City, CA 95501

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Sutter Lakeside Hospital
5176 Hill Road East
Lakeport, CA 95453

Sutter Medical Center
3325 Chanate Road
Santa Rosa, CA 95404

Sutter – Warrack Hospital
2449 Summerfield Road
Santa Rosa, CA 95405

Ukiah Valley Medical Center
275 Hospital Drive
Ukiah, CA 95482

Veteran's Home of California-
Holderman Hospital
100 California Drive
Yountville, CA 94599-1413

**Appendix B.
California Cancer Reporting System Regional Registries**

- Region 1/8 Northern California Cancer Center
2201 Walnut Avenue, Suite 300
Fremont, CA 94538
(510) 608-5000
- Region 2 Cancer Registry of Central California
1625 East Shaw Avenue, Suite 155
Fresno, CA 93710
(559) 244-4550
- Region 3 Cancer Surveillance Program, Region 3
1700 Tribute Road Suite 100
Sacramento CA 95815
(916) 779-2687
- Region 4 Tri-Counties Cancer Surveillance Program
3944 State Street, Suite 330
Santa Barbara, CA 93105
(805) 569-3101
- Region 5 Desert Sierra Cancer Surveillance Program
11368 Mountain View Avenue, Suite C
Loma Linda, CA 92354
(909) 558-6170
- Region 6 Cancer Registry of Northern California
25 Jan Court Suite 130
Chico, CA 95928
(530) 345-2483
- Region 9 Cancer Surveillance Program
University of Southern California
1540 Alcazar Street, CHP-204
Los Angeles, CA 90033
(323) 442-2330
- Region 10/7 Cancer Surveillance Program of Orange County &
San Diego Imperial Organization for Cancer Control
University of California
Department of Medicine
Epidemiology Division
224 Irvine Hall
Irvine, CA 92697-7550
(949) 824-7402

APPENDICES

**Appendix C.
SEER Site Recode ICD-O-3**

Primary Site	Site/Type	IDC-O-3 Histology Type
Oral Cavity & Pharynx		
Lip	C000-C009	Excluding 9590-9989
Tongue	C019-C029	Excluding 9590-9989
Salivary Gland	C079-C089	Excluding 9590-9989
Floor of Mouth	C040-C049	Excluding 9590-9989
Gum & Other Mouth	C030-C039, C050-C059, C060-C069	Excluding 9590-9989
Nasopharynx	C110-C119	Excluding 9590-9989
Tonsil	C090-C099	Excluding 9590-9989
Oropharynx	C100-C109	Excluding 9590-9989
Hypopharynx	C129, C130-C139	Excluding 9590-9989
Other Oral Cavity & Pharynx	C140, C142-C148	Excluding 9590-9989
Digestive System		
Esophagus	C150-C159	Excluding 9590-9989
Stomach	C160-C169	Excluding 9590-9989
Small Intestine	C170-C179	Excluding 9590-9989
Colon excluding Rectum		
Cecum	C180	Excluding 9590-9989
Appendix	C181	Excluding 9590-9989
Ascending Colon	C182	Excluding 9590-9989
Hepatic Flexure	C183	Excluding 9590-9989
Transverse Colon	C184	Excluding 9590-9989
Splenic Flexure	C185	Excluding 9590-9989
Descending Colon	C186	Excluding 9590-9989
Sigmoid Colon	C187	Excluding 9590-9989
Large Intestine, NOS	C188-C189, C260	Excluding 9590-9989
Rectum & Rectosigmoid Junction		
Rectosigmoid Junction	C199	Excluding 9590-9989
Rectum	C209	Excluding 9590-9989
Anus, Anal Canal & Anorectum	C210-C212, C218	Excluding 9590-9989
Liver & Intrahepatic Bile Duct		
Liver	C220	Excluding 9590-9989
Intrahepatic Bile Duct	C221	Excluding 9590-9989
Gallbladder	C239	Excluding 9590-9989
Other Biliary	C240-C249	Excluding 9590-9989
Pancreas	C250-C259	Excluding 9590-9989
Retroperitoneum	C480	Excluding 9590-9989
Peritoneum, Omentum & Mesentery	C481-C482	Excluding 9590-9989
Other Digestive Organs	C268-C269, C488	Excluding 9590-9989

Primary Site	Site/Type	IDC-O-3 Histology Type
Respiratory System		
Nose, Nasal Cavity & Middle Ear	C300-C301, C310-C319	Excluding 9590-9989
Larynx	C320-C329	Excluding 9590-9989
Lung & Bronchus	C340-C349	Excluding 9590-9989
Pleura	C384	Excluding 9590-9989
Trachea, Mediastinum & Other	C339, C381-C383, C388, C390, C398, C399	Excluding 9590-9989
Bones & Joints	C400-C419	Excluding 9590-9989
Soft Tissue including Heart	C380, C470-C479, C490-C499	Excluding 9590-9989
Skin excluding Basal & Squamous		
Melanoma of the Skin	C440-C449	8720-8790
Other Non-Epithelial Skin	C440-C449	Excluding 8000-8005, 8010-8045, 8050-8084, 8090-8110, 8720-8790, 9590-9989
Breast	C500-C509	Excluding 9590-9989
Female Genital System		
Cervix Uteri	C530-C539	Excluding 9590-9989
Corpus & Uterus, NOS		
Corpus Uteri	C540-C549	Excluding 9590-9989
Uterus, NOS	C559	Excluding 9590-9989
Ovary	C569	Excluding 9590-9989
Vagina	C529	Excluding 9590-9989
Vulva	C510-C519	Excluding 9590-9989
Other Female Genital Organs	C570-C589	Excluding 9590-9989
Male Genital System		
Prostate	C619	Excluding 9590-9989
Testis	C620-C629	Excluding 9590-9989
Penis	C600-C609	Excluding 9590-9989
Other Male Genital Organs	C630-C639	Excluding 9590-9989
Urinary System		
Urinary Bladder	C670-C679	Excluding 9590-9989
Kidney & Renal Pelvis	C649, C659	Excluding 9590-9989
Ureter	C669	Excluding 9590-9989
Other Urinary Organs	C680-C689	Excluding 9590-9989
Eye & Orbit	C690-C699	Excluding 9590-9989
Brain & Other Nervous System		
Brain	C710-C719	Excluding 9530-9539, 9590-9989
Other Nervous System	C710-C719	9530-9539
	C700-C709, C720-	Excluding 9590-9989

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	C729	
Primary Site	Site/Type	IDC-O-3 Histology Type
Endocrine System		
Thyroid	C739	Excluding 9590-9989
Other Endocrine incl Thymus	C379, C740-C749, C750-C759	Excluding 9590-9989
Lymphoma		
Hodgkin Lymphoma	All Sites	9650-9667
Non-Hodgkin Lymphoma	All Sites	9673, 9675, 9684, 9687, 9695, 9705, 9823, 9827, 9590-9596, 9670-9671, 9678-9680, 9689-9691, 9698-9702, 9708-9709, 9714-9719, 9727-9729)
Myeloma	All Sites	9731-9732, 9734
Leukemia	All Sites	
Lymphocytic Leukemia		
Acute Lymphocytic Leukemia		9826,9835-9837
Chronic Lymphocytic Leukemia	C420, C421, C424	9823
Other Lymphocytic Leukemia		9820, 9832-9834, 9940
Myeloid & Monocytic Leukemia		
Acute Myeloid Leukemia		9840, 9861, 9866, 9867, 9871-9874, 9895-9897, 9910, 9920
Acute Monocytic Leukemia		9891
Chronic Myeloid Leukemia		9863, 9875, 9876, 9945, 9946
Other Myeloid/Monocytic		9860, 9930
Other Leukemia		
Other Acute Leukemia		9801, 9805, 9931
Aleukemic, subleukemic & NOS		9733, 9742, 9800, 9827, 9831, 9870, 9948, 9963, 9964

Appendix D.
SEER Site Recode for ICD-9 and ICD-10 Mortality Data

Cancer Causes of Death	ICD-9 (1979-98)	ICD-10 (1999+)
All Malignant Cancers	140-208	C00-C97
Oral Cavity & Pharynx	140-149	C00-C14
Esophagus	150	C15
Stomach	151	C16
Colon excluding Rectum	153	C18
Rectum & Rectosigmoid Junction	154	C19-C21
Liver & Intrahepatic Bile Duct	155-156	C22-C24
Pancreas	157	C25
Larynx	161	C32
Lung & Bronchus	162-163	C33-C34, C38.4, C45.0
Melanoma of the Skin	172	C43
Breast	174-175	C50
Cervix Uteri	180	C53
Corpus & Uterus, NOS	179, 182	C54-C55
Ovary	183	C56-C57
Prostate	185	C61
Testis	186	C62
Urinary Bladder	188, 189.3-189.4, 189.8-189.9	C67, C68.0-C68.1, C68.8-C68.9
Kidney & Renal Pelvis	189.0-189.2	C64-C66
Brain & Other Nervous System	191-192	C70-C72
Thyroid	193	C73
Hodgkin Lymphoma	201	C81
Non-Hodgkin Lymphoma	200, 202	C83-C85
Myeloma	203	C90
Leukemia	204-208	C91-C95

