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ACKNOWLEDGMENTS AND DISCLAIMER

Professor Hoda Anton-Culver has been the Director and Principal Investigator for all CSPOC/SANDIOCC related activities until recently, but is now concentrating on the development of the Genetic Epidemiology Research Institute as well as expansion of the Epidemiology Division at the University of California, Irvine. We are grateful for her outstanding leadership and vision, including specification of the content of this report. We thank the cancer registrars and other health-related professionals in Orange, San Diego, and Imperial Counties for their dedication and painstaking, difficult work which makes population-based cancer registration possible. Their efforts are the foundation on which this publication, and population-based cancer research, is based. We are also grateful to the patients, who somehow manage to find the energy and time to participate in research projects aimed at the eventual elimination of the many different diseases called cancer.

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CSPOC / SANDIOCC PROGRAMS

The Cancer Surveillance Program of Orange County (CSPOC) and the San Diego - Imperial Organization for Cancer Control (SANDIOCC) are population-based, regional cancer registries for Orange County and the combination of Imperial and San Diego Counties, respectively. Each is part of the statewide cancer-reporting system called the California Cancer Registry. The California Cancer Registry is a component of the Cancer Surveillance Section, Chronic Disease Branch, California Department of Health Services. Under the mandate of state law (Sections 103875, 103885 and 100330 of the California Health and Safety Code), CSPOC / SANDIOCC has been conducting cancer registration since 1988 (1984 in Orange County), currently under Subcontract 1006133 with the Public Health Institute (an agent of the California Department of Health Services). Funding is augmented by the Centers for Disease Control and Prevention (Subcontract 1005926). CSPOC / SANDIOCC is also part of the Greater California SEER Region, with associated activities funded by the National Cancer Institute, Surveillance, Epidemiology, and End-Results Program, Subcontract 1002886. The Principal Investigator for the SEER subcontract is Wendy R. Brewster, MD, PhD. CSPOC is sometimes referred to as Region 10 of the California Cancer Registry, while SANDIOCC is Region 7.

CANCER INCIDENCE AND MORTALITY IN SAN DIEGO COUNTY
1999-2003

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SECTION I

BRIEF INTRODUCTION TO THE EPIDEMIOLOGY DIVISION AND THE GENETIC EPIDEMIOLOGY RESEARCH INSTITUTE AT THE UNIVERSITY OF CALIFORNIA, IRVINE

Section I offers a brief introduction to the Epidemiology Division and the Genetic Epidemiology Research Institute (GERI) at the University of California, Irvine. The history of cancer-registration at UCI is also briefly outlined. The Epidemiology Division houses both the Cancer Surveillance Program of Orange County (CSPOC) and the San Diego - Imperial Organization for Cancer Control (SANDIOCC). The Epidemiology Division contains several major biomedical research efforts in diverse fields including asthma, hemochromatosis, and cardiology (see www.epi.uci.edu for more information). The Chief of the Epidemiology Division at The University of California, Irvine is Professor Hoda Anton-Culver.

Administratively, the GERI is independent of departments or divisions, and embodies a multi-disciplinary approach to a broad spectrum of biomedical research, with an emphasis on gene-environment interactions and cancers. The Institute provides an organizational structure designed to bring together scientists from several disciplines, such as epidemiology, developmental and cell biology, molecular biology and biochemistry, genetics, statistics, pharmacology, and behavioral sciences to stimulate interdisciplinary research and training. The institute also facilitates scientific interactions and collaborations by organizing seminars and symposia. There are over 40 faculty members in GERI. Through the strength of its members, the Institute's main goal is to promote research at UCI to further advance knowledge on the genetic basis of disease etiology, progression, and outcome.

The GERI is host to the UCI Center for Cancer Genetics Research and Prevention, and is both the central Informatics Center for and a contributor to the National Cancer Institute's Cancer Genetics Network. The CSPOC and SANDIOCC programs are important resources for the GERI, and for other research efforts both within and beyond The University of California, Irvine. Many of the GERI faculty are also members of the Epidemiology Division. The founder and Director of the GERI is Professor Hoda Anton-Culver. More information about GERI can be found at www.geri.uci.edu.

Personnel

This page lists the faculty of the Genetic Epidemiology Research Institute / Epidemiology Division, staff of the CSPOC / SANDIOCC cancer registries, and members of the Cancer Genetics Research and Prevention Advisory Board. The role of the Cancer Genetics Research and Prevention Advisory Board is to contribute a variety of perspectives directed at maximizing the public-health benefit from the Genetic Epidemiology Research Institute and the Epidemiology Division at The University of California, Irvine.

FACULTY

Anton-Culver, Hoda, PhD	Professor & Chief of Epidemiology Division, Director of GERI
Brewster, Wendy, MD, PhD	Assistant Professor, Gynecologic Oncology
Culver, B Dwight, MD, MS	Occupational & Environmental Medicine / Toxicology
Delfino, Ralph, MD, PhD	Assistant Clinical Professor, Environmental Epidemiology
Garner, Chad, PhD	Assistant Professor, Statistical Genetics
Le, Huan, MD	Associate Clinical Professor, Molecular Genetics
Liao, Shu-Yuan, MD	Associate Clinical Professor, Molecular Genetics & Pathology
Lin, Fritz, MD	Professor, Pathology
Lipkin, Steven, PhD	Assistant Professor of Medicine
Manetta, Alberto, MD	Professor, Gynecologic Oncology
McEligot, Archana, PhD	Assistant Adjunct Professor, Nutrition and Genetics
McLaren, Christine, PhD	Professor, Biostatistics
Neuhausen, Susan, PhD	Professor, Molecular Genetics
Peel, David, PhD	Assistant Adjunct Professor, Molecular Genetics
Saltzstein, Sidney, MD, MPH	Clinical Professor, Co-director of SANDIOCC
Ziogas, Argyrios, PhD	Associate Adjunct Professor, Statistical Genetics

CANCER SURVEILLANCE PROGRAM STAFF

Bringman, Deborah, MPH	Director, CSPOC/SANDIOCC Programs
Taylor, Thomas H, PhD	Senior Biostatistician
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Rowley, Kitty, MA, CTR	Quality Control Manager
Jeffries, Cheryl, CTR	Quality Control Specialist
Koutsouros, Susan, CTR	Quality Control Specialist
Leach, Sara, RHIT, CTR	Quality Control Specialist
Weber, Regina, CTR	Quality Control Specialist
Vitt, Susan, LPN, CTR	Quality Control Specialist
Wong, Teresa, CTR	Quality Control Specialist
Villaverde, Phyllis, CTR	C/Net Support Technician
Olufemi, Velvet, CTR	Patient Records Abstractor
Scott, Trinidad A, RHIT, CTR	Patient Records Abstractor
Im, Theresa	Patient Records Abstractor
Ikei, Ruby T, MA	Programmer/Analyst
Blix, Julie, RN, CTR	Patient Records Abstractor
Sipes, Dennis	Network Administrator

CANCER GENETICS RESEARCH AND PREVENTION ADVISORY BOARD

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Barbara Hamkalo, PhD, UC Irvine	Bruce Vancil, American Cancer Society
David Horowitz, Community Member	Gerald Weinstein, MD, UC Irvine
Rochelle Minchow, Patient Advocate	Hon.Harriett Wieder, Community Member
Harvey Mohrenweiser, PhD, UC Irvine	

HISTORY

The Cancer Surveillance Program of Orange County (CSPOC) was established in 1983 to provide a focus for scientists, clinicians and other members of the healthcare community to promote cancer prevention and control in Orange County. Initially, many hospitals voluntarily participated in CSPOC's data-collection efforts. Shortly after, the Orange County Board of Supervisors declared cancer a reportable disease within the County, and legislation at the State level in 1985 made cancer a reportable disease throughout the State. To implement the cancer reporting laws, the California Department of Health Services formed the California Cancer Registry (CCR) and divided the State into 10 Regions for purposes of cancer reporting. Data are reported by each Regional Registry to the central CCR. CSPOC is Region 10 of the CCR, and is the model regional registry for the system. By 1988 the San Diego - Imperial Organization for Cancer Control (SANDIOCC) was formed as Region 7 of the CCR, responsible for case reporting from San Diego and Imperial Counties. In 1992, the SANDIOCC organization merged with CSPOC to form CSPOC/SANDIOCC, the population-based regional cancer registry for Orange, San Diego and Imperial Counties.

In addition to augmenting cancer research, CSPOC/SANDIOCC is intended to collect, analyze, and disseminate information to characterize cancer in the populations of Orange, San Diego and Imperial Counties. Incidence and mortality of specific cancers are monitored over time and differential risks of cancer by geographic region, age, race/ethnicity, sex and other characteristics of the population are analyzed.

CSPOC/SANDIOCC is an important resource for scientists, clinicians, and other health professionals concerned with the etiology, risk factors, prevention, outcomes, and other aspects of cancer. The program is also designed to monitor patient survival with respect to the type of cancer, extent of disease, demographics and other relevant factors. These data may facilitate studies to evaluate the efficacy of management, changes in diagnostic procedures, public-awareness campaigns, and other cancer-control initiatives. In addition to providing data for research and policy purposes, CSPOC/SANDIOCC facilitates communication among various members of the cancer community.

OBJECTIVES

Among the main objectives of CSPOC/SANDIOCC are:

- obtain accurate and complete data on cancer incidence and survival
- identify areas of need for cancer control
- evaluate methods of cancer control
- identify groups in the population at high risk for cancer on the basis of factors such as: occupational/environmental exposures, geographic locus, and lifestyle patterns
- identify areas where etiologic associations should be tested
- provide information in support of education programs, especially for high-risk groups
- evaluate effectiveness of diagnostic and treatment modalities using prognosis and survival data
- determine priorities for cancer prevention and control based on cancer incidence, distribution, and potential exposures to environmental carcinogens

ORGANIZATION

Leadership

CSPOC/SANDIOCC is administered by the Epidemiology Division, University of California, Irvine. The Division Chief is Professor Hoda Anton-Culver. The Director of CSPOC / SANDIOCC is Ms Deborah Bringman, MPH. Ms Bringman and Dr Taylor share responsibility for the CDC subcontracts. The Principal Investigators for the SEER subcontract is Dr Wendy R. Brewster. Necessary and appropriate consultation on scientific and other matters is available from a wide variety of nationally known experts, including Professors Hoda Anton-Culver, B Dwight Culver, and Sidney L Saltzstein, as well as the Center for Cancer Genetics Research and Prevention Advisory Board.

Science and Public Policy

The Center for Cancer Genetics Research and Prevention Advisory Board

The Cancer Genetics Research and Prevention Advisory Board is structured to be representative of the region's organized medicine, local health departments, institutions of higher learning in health and medicine, health-planning agencies, and community-volunteer organizations devoted to cancer. The Committee's responsibilities include: 1) advise with respect to use of cancer incidence data for research to determine the sources of cancers and to evaluate measures designed to eliminate, alleviate, or ameliorate their effect; 2) advise regarding priorities related to proposed research, analysis, or reports using the regional-registry data; 3) review and advise on policies for ensuring the confidentiality and appropriate use of cancer-patient data; and, 4) in general, review and advise on policies for ensuring qualified potential users access to statistical data from the registry, in accordance with current law.

Professional Standards and Training

Annually, the staff of CSPOC/SANDIOCC offers opportunities for continuing education, review of current data-collection standards, and other training to the cancer-registry professionals of Imperial, Orange, and San Diego Counties. Staff of CSPOC/SANDIOCC participate actively in working groups of the statewide California Cancer Registry and the nationwide North American Association of Central Cancer Registries.

COMMUNITY INVOLVEMENT

CSPOC/SANDIOCC plays a central role in fostering communication among members of the oncologic community in and around Orange, San Diego, and Imperial Counties through several forums:

Seminar Series of the Genetic Epidemiology Research Institute

The *GERI Research Seminar Series* is a forum for the presentation and discussion of current efforts in research and policy, with an emphasis on cancer. Featured speakers range from graduate students and junior faculty through senior professionals with national or international reputations. Thanks to the generous support of Ben and Barbara Harris, the *GERI Distinguished Speaker Series* brings truly outstanding individuals to campus for technical and lay-oriented talks. To receive e-mail announcements of seminar presentations please correspond with Jason Park (jpark@uci.edu).

North American Association of Central Cancer Registries (NAACR) Annual Meeting

CSPOC/SANDIOCC is a member of the North American Association of Central Cancer Registries, which coordinates an annual meeting to discuss current topics in the surveillance, prevention and control of cancers. This meeting is of interest to those involved with in cancer surveillance and outcomes, including scientists, clinicians, cancer registrars, and makers of public policy.

For More Information

If you would like to be added to the mailing list to obtain notices of Research Seminars, then please write to: CSPOC/SANDIOCC, Epidemiology Division, 224 Irvine Hall, University of California, Irvine, CA 92697-7550, or telephone: (949) 824-7401, or fax: (949) 824-4773, or e-mail to jpark@uci.edu.

Special Data Requests

Requests for special, or non-routine, analyses of cancer data are often received from physicians, scientists, hospital-based cancer registries, or other researchers or citizens in Orange, San Diego, and Imperial Counties. Fulfillment of such requests is constrained by appropriate law, regulations, and policies to ensure the privacy of the patients. A copy of the policy and procedure for data requests may be obtained by contacting CSPOC/SANDIOCC. Reimbursement for resources expended in completing special data requests may, in some cases, be required.

Web Page

This document, other data, and information about the Genetic Epidemiology Research Institute and the Epidemiology Division, Department of Medicine, University of California, Irvine may be found on the World Wide Web. The Uniform Resource Locator (URL) is: <http://www.epi.uci.edu> .

SECTION II

MATERIALS AND METHODS

The purpose of Section II is to document the materials and methods that are used to generate the numerical information contained in this report. In addition to listing the sources of data, this section provides definitions of terms and technical notes to assist in interpretation of the data presented in Sections III, IV, and V.

SOURCES OF DATA

INCIDENCE DATA

All incidence data in this report are from the CSPOC/SANDIOCC population-based cancer registries as of January 2006. Technical operations of the Registry are described elsewhere¹ (see also Appendix 3). Over 94 percent of incident cases are microscopically confirmed. Because an individual may be diagnosed with more than one primary cancer, the number of incident cancer cases is roughly eight percent greater than the corresponding number of cancer patients diagnosed in this time period.

The total number of newly diagnosed, reportable cancer cases among residents of San Diego County from 1 January 1988 through 31 December 2003 (as of 1/06) is 194775. All cases of benign and borderline brain tumors (numbering 822) and *in-situ* cancers, except for Bladder Cancer *in-situ* (numbering 15845) are omitted from this report. Cases of Bladder Cancer *in-situ* are included in this report, as are borderline ovarian tumors. An additional 97 cases missing age at diagnosis or sex of the patient are omitted from this report. Therefore, the tables of annual sex- and site-specific, age-adjusted incidence rates (Tables 1-3, Section III) are based on 178011 cases. Of these incident cases, 5481 (3.1%) are coded as unknown site. Cases of unknown site are reflected in the figures for ALL SITES, but imply that counts and rates for specific sites are underestimated to some degree. The number of cases abstracted from the death certificate alone is 3032 (1.7%).

The five-year incidence data shown in the tables of Sections IV and V (Tables 7 - 35) are based upon 59988 cases of invasive cancer, or Bladder Cancer, diagnosed among residents of San Diego County from 1 January 1999 through 31 December 2003 (as of 1/06). As above, benign and borderline brain tumors are excluded, and borderline ovarian cases are included. Cases where age at diagnosis or sex of patient are missing are omitted (totaling 29). For this time period there are 2016 (3.4%) cases coded as unknown site. Again, cases of unknown site are reflected in the figures for ALL SITES, but imply that the counts and rates for specific sites are underestimated to some degree. Similarly, 1244 (2.1%) cases are of undetermined race/ethnicity. These cases are reflected in the data for all races/ethnicities, but imply that the counts and rates for specific race/ethnic groups are underestimated to some degree. The number of cases abstracted from the death certificate alone is 588 (1.0%).

MORTALITY DATA

Mortality data in this report are from the California Department of Health Services Vital Statistics Death Certificate Master Files and include causes of death coded from 1400 through 2089 in the International Classification of Diseases, Ninth Revision² prior to 1999 and thereafter with cause of death coded from C000 through C970 according to the International Classification of Diseases, Tenth Revision.³ The number of such deaths among residents of San Diego County from 1 January 1988 through 31 December 2003 is 70125. Of these, three are excluded due to missing age at death or missing sex of decedent. Thus, the tables showing annual counts and age-adjusted mortality rates from 1988 through 2003 (Tables 4-6, Section III) are based upon 70122 deaths. There are 4810 (6.9%) deaths coded to cancer of unknown type which, while they contribute to the counts and rates for cancer of ALL SITES, imply that the counts and rates for specific sites are underestimated by some amount.

For the period 1 January 1999 through 31 December 2003, there are 23281 cancer related deaths among residents of San Diego County. Two of these are omitted because of missing age at death. Consequently, the mortality data presented as five-year counts and average annual rates in Tables 7 through 33 (Section IV) are based upon 23279 deaths. Of these, 1605 (6.9%) are coded to unknown cancer type which contribute to the data for cancer of ALL SITES, but imply that the mortality counts and rates for specific cancer types are underestimated by some amount. Similarly, 14 (<1%) decedents are of undetermined race/ethnicity, implying that race/ethnic-specific mortality counts and rates are underestimated to some degree.

POPULATION ESTIMATES

The population data used for calculations in this report are annual mid-year population estimates by age, race/ethnicity, and sex to the County level released by the Demographic Research Unit of the California Department of Finance. The Department of Finance makes periodic revisions to their population estimates or projections. This publication is consistent with current publications of the California Cancer Registry in choice of population series to represent calendar 1988 through 1989,⁴ 1990 through 1999,⁵ and 2000 through 2003.⁶ Because incidence and mortality rates are sensitive to differences in population estimates, any differences noted between rates in this publication and rates in other publications may be due, at least in part, to choice of population estimates. Population estimates used herein are shown in Appendix 1. Following the US Census, the population estimates for calendar 2000 and forward include a separate multi-race category. In San Diego County for calendar 2000, about 2.2 percent of both men and women are in the multi-race category. These individuals are included in the population estimates across race/ethnicity, but are not allocated to specific race/ethnic groups. Because neither the cancer incidence nor the cancer mortality data have a corresponding multi-race category, we cannot generate counts or rates of cases or deaths for the multi-racial category. The fact that the multi-racial population is excluded from estimates of rates of incidence and mortality in specific race/ethnic groups exerts a small upward pressure on such rates. (See cautions on interpretations, below.)

SELECTION OF CANCER SITES FOR PRESENTATION

DETERMINING THE TYPE OF CANCER

For incidence data, primary site and histologic type are coded and reported according to the International Classification of Diseases for Oncology, Third Edition (ICD-O-3).⁷ Cause of death was coded according to the International Classification of Diseases, Ninth Revision² prior to 1999. For the years 1999 forward cause of death is coded according to the International Classification of Diseases, Tenth Revision.³ For both incidence and mortality, cases are classified as to type of cancer according to conventions of the Surveillance, Epidemiology, and End Results (SEER) Program of the National Cancer Institute.⁸

SELECTING WHICH CANCERS TO INCLUDE IN THIS REPORT

The word 'cancer' refers to a large number of diseases that may differ considerably in their causes and natural histories. For this reason, consideration of cancers of all sites pooled together, while intuitively appealing, is generally not enlightening. Therefore, this report emphasizes, in Sections III and IV, statistics on 25 specific types of cancer, in addition to cancer of all sites and sarcomas. The main 25 cancer types are chosen for two reasons: a) Taken together they account for roughly 90 percent of cancer diagnoses and deaths in San Diego County, and b) These 25 cancers correspond well to the bulk of the tables published by the California Cancer Registry⁹ for all of California. Despite being relatively rare, we provide statistics on Kaposi's Sarcoma because of wide interest, and on all sarcomas to serve research interests. The remaining cancer types are portrayed as a group in Tables 1 through 6 under the rubric ALL OTHER TYPES. Five-year (1999-03), average-annual incidence statistics for these cancer types may be found in Section V (Tables 34-35) for all but the most rare cancer types. Following the California Cancer Registry⁹ and the National Cancer Institute's Surveillance, Epidemiology, and End Results Program⁸, cases reported to CSPOC/SANDIOCC as Bladder Cancer *in-situ* are not omitted from this report, although all other *in-situ* cancers are omitted. We include borderline ovarian cancers to be consistent with earlier publications. Although reportable throughout California beginning with 2001, we omit benign and borderline brain tumors from this report because of the relatively small numbers and biologic difference from malignant disease.

DEFINITIONS OF VARIABLES

AGE

For both cancer incidence and mortality, age is calculated as the number of whole years between the date of birth and the date of diagnosis or demise. Thus an individual who is 40 years and 11 months old at diagnosis (or death) is considered to be 40 years old.

HISTOLOGY

Histology is a classification of cell type. Histologic categories change with cancer type, and the histology categories given in the tables of Section IV depend upon cancer type. The histology groupings used in this report are based roughly upon the site and histology editing tables of the National Cancer Institute SEER Program,¹⁰ augmented by the best judgments of our registry staff in an attempt to portray a limited number of meaningful categories for each type of cancer.

RACE/ETHNICITY

The race/ethnicity of cancer cases is determined in a manner consistent with that of the California Cancer Registry⁹ and yield categories generally consistent with the population estimates.⁴⁻⁶ Cases are grouped into six mutually exclusive categories: non-Hispanic Asian/Pacific Islanders, non-Hispanic Black, Hispanic, non-Hispanic White, non-Hispanic Native Americans, and Unknown. In reports from CSPOC/SANDIOCC and the California Cancer Registry published prior to 1998, Native Americans were pooled with Asians. Native Americans, including American Indians, Eskimos, and Aleuts, account for less than one percent of San Diego County households,¹¹ and under one percent of the San Diego County population.⁴⁻⁶ Therefore, cancer incidence and mortality data for Native Americans in San Diego County are considered too unstable for routine publication. As mentioned elsewhere, population estimates for 2000 and forward eliminate those self-identified as multiracial from race/ethnic-specific population estimates.

REPORTING SOURCE

Reporting source identifies the type of entity from which a report of a cancer diagnosis originates. In this report we have limited the categories to four: hospital, individual physician, death certificate, and other. The last category includes diverse but infrequent contributors to the database, such as: Coroner's Office, nursing home, or pathology lab. The percent of cases documented only by a death certificate is often used as a measure of the efficacy of casefinding efforts.

STAGE AT DIAGNOSIS

Stage at diagnosis as reported here reflects a grouping of cases into broad and general categories of extent or spread of disease known as SEER Summary Stage. For cases diagnosed through 2000 stage is determined by Summary Stage 1977¹⁰, but by Summary Stage 2000¹⁰ thereafter. Please note that cases documented only by death certificate must be coded as unstageable, *regardless of the type of cancer involved*.

STATISTICAL TERMS

AGE-SPECIFIC RATE

An age-specific rate is calculated by dividing the number of incident cases or deaths in a specific age group in a defined time period by the population in that age group during that time, which yields a rate per person. This result is multiplied by 100,000 both to permit convenient expression of the rate and to be compatible with cancer statistics published by others. In this report, age-specific rates are shown for six age categories. The formula for an age-specific rate may be written :

$$A-SR_i = 100,000 \times c_i / n_i$$

where ASR_i is the age-specific rate for the i^{th} age category, c_i is the count of cases or deaths in the i^{th} age group, and n_i is the population estimate for the i^{th} age group, all during a specified interval of time.¹²

AGE-ADJUSTED RATE

An age-adjusted rate is a weighted average of age-specific rates, where the weights represent the age distribution of a standard population, the aim of which is to produce a measure of disease or death independent of the age distribution of the population under study. Thus age-adjusted rates from different populations or time periods may be compared regardless of the age structure of the populations, provided only that all calculations use the same standard population. Age-adjusted rates in this report are computed by the direct method, using the projected 2000 US population as standard, and are expressed per 100,000 people. Although only six age categories are used to display age-specific rates in this report, the age-adjusted rates are computed from 18 age categories, as is done by the California Cancer Registry⁹. There are 17 five-year age groups (e.g., 0-4, 5-9, ... 80-84), while the last category is open-ended at 85 and above. The formula for an age-adjusted rate may be written:

$$A-AR = \sum(w_i \times A-SR_i)$$

where A-AR is age-adjusted rate, w_i is the proportion of the standard population found in the i^{th} age group, and $A-SR_i$ is the age-specific rate in the i^{th} age group, all during a specified interval of time.¹² Note that $A-SR_i$ is already scaled to 100,000. The sum is over the 18 age groups just described, for which $A-SR_i$ are calculated but not shown in this report.

DESCRIPTION OF DATA PRESENTED IN THIS REPORT

This report presents cancer data for San Diego County in three sections, each with a different goal. Section III (Tables 1-6) shows data on incidence and mortality year by year, from 1988 through 2003, including the more common cancer types (see p. 16). Section IV (Tables 7-33) shows data on incidence and mortality for the five-year aggregate period 1999-2003 for the more common cancer types, Kaposi's Sarcoma, and all sarcoma. Aggregating the data across five years permits the presentation of more detail in the tables of Section IV than is found anywhere else in this report. Five-year (1999-2003), aggregate incidence data with a finer categorization of cancer types are presented in Section V (Tables 34-35).

Section III presents annual case counts and annual age-adjusted rates for incidence (Tables 1-3) and mortality (Tables 4-6). Data are presented by gender, but all race/ethnic groups are combined. These tables include the 25 more common cancer types, all cancer types together, Kaposi's sarcoma, and all sarcomas. In the incidence tables (Tables 1-3), Kaposi's sarcoma and all sarcoma are listed separately, although sarcoma cases are included in the counts and incidence rates given for the appropriate anatomic type. Information on sarcoma as a cause of death is not available.

Section IV presents more detailed information on the 25 more common cancer types, as well as cancers of all types, Kaposi's sarcoma, and all sarcoma for the aggregate, five-year period 1999 through 2003 (Tables 7-33). The tables of Section IV characterize incidence and mortality by specific cancers, and cancer of all types, and show data by age, race/ethnicity, and gender. Included in the tables of Section IV are: a) case counts by year of diagnosis and gender for all race/ethnic groups combined; b) distributions of source of report, stage at diagnosis, and histology, all based upon the five-year aggregate case counts across race/ethnic groups and across gender; c) five-year case counts and average annual age-adjusted rates by race/ethnicity and gender; d) five-year age-specific counts and average annual age-specific rates for incidence and mortality by gender and race/ethnicity.

Section V (Tables 34-35) presents five-year (1999-2003) aggregate, cancer-incidence data for many more specific cancer types, and groups of types, than appear in the earlier Sections. Five-year case counts and average-annual, age-adjusted incidence rates are shown for 98 cancer types and groups of types, corresponding to the classification scheme of the national Cancer Institute, Surveillance, Epidemiology, and End Results Program⁸ (based on ICD-O-3, 27 January 2003). Data are presented by gender for all race/ethnic groups combined. In Section V (Table 34), cancer types are listed by anatomic system, following the nosology of the Surveillance, Epidemiology, and End-Results Program of the National Cancer Institute. Table 35 shows sarcomas, by specific type and also by origin (soft tissue vs. other).

SUPPRESSION OF DATA

Respect for confidentiality and personal privacy underlie current policies of the California Cancer Registry regarding publication of case counts and incidence or mortality rates. Consistent with these policies, no age-specific nor age-standardized rates of incidence or mortality are given herein if based on fewer than 15 cases. Similarly, no case count of one through four may be given if the corresponding population for the time period concerned is below 10,000. Counts or rates suppressed for these reasons are denoted by .s., to distinguish them from zero. Another policy prohibits publication of age-

standardized incidence rates by racial/ethnic group where there are fewer than 200,000 person years at risk (males and females combined) in the time period specified for the rate. Rates suppressed for this reason are denoted by .&, to distinguish them from zero. This policy precludes publication of incidence data for Native Americans (99980 person-years at risk [see reference 4-6]) for the five-year period 1999 through 2003.

CAUTIONS ON INTERPRETATION

Incidence and mortality rates depend upon counts of incident cases and deaths and corresponding population estimates. When rates are age-adjusted, the standard population used for adjustment is critical to the results. Incidence and mortality rates in this report are calculated using current population estimates released by the California Department of Finance,⁴⁻⁶ which may differ from the population estimates used in other reports. Different population estimates will produce different incidence and mortality rates. The addition of a multi-racial category for population estimates beginning with the year 2000 complicates estimates of incidence and mortality rates for specific race/ethnic groups insofar as it reduces the size of specific groups, without a corresponding reduction in the counts of cases or deaths for such groups. Cancer incidence databases are dynamic entities, and for reasons such as late reporting or new or corrected information, the counts and character of cases can change over time (in our experience, a small amount). Thus, changes in incidence counts may be responsible for differences in incidence rates between this and other reports. In contrast, mortality counts are more likely fixed and, therefore, differences in mortality rates between this and other reports are likely due to differences in the population estimates employed.

Currently the California Cancer Registry⁹ uses the Year 2000 Population Standard to produce age-adjusted incidence and mortality rates, as is done in this publication. The Year 2000 Population Standard has been adopted by the U.S. Government and local organizations in order to promote uniformity and comparability of information from different organizations. Age-adjusted incidence and mortality rates using the Year 2000 Population Standard are not comparable with age-adjusted incidence and mortality rates compiled with other standards, such as, the 1940 U.S. population, the 1970 U.S. population, or the standard of the World Health Organization.

A comment on sarcoma is in order here. Sarcoma is not exclusive of other cancer types. While of widespread interest as a separate entity, Kaposi's sarcoma can occur in many anatomic sites, mainly skin, mucosa, or viscera. Therefore, cases of Kaposi's sarcoma are "double counted" in this report, that is, they count in the data for Kaposi's sarcoma and also in the data for their anatomic location. The same applies to other sarcoma types. Cases of sarcoma, however, count only once in the compilation of data for cancer of all sites. This practice of "double counting" sarcoma is consistent with methods and publications of the California Cancer Registry. Please note that data on sarcoma as a cause of death are not available to us.

SECTION III

ANNUAL INCIDENCE AND MORTALITY COUNTS AND AGE-ADJUSTED RATES FOR ALL RACE / ETHNICITIES COMBINED, BY GENDER, 1988-2003

Section III is composed of Tables 1 through 6, with the first three tables devoted to diagnosis of new cancer cases (incidence) while the last three tables show cancer deaths (mortality) among residents of San Diego County for each of the calendar years 1988 through 2003. Data are presented by gender (males alone, females alone, and the combination of males and females), which is why there are three tables of incidence and three tables of mortality data. The purpose of these tables is to present the general magnitude of incidence and mortality due to specific types of cancer in San Diego County on an annual basis, and to show changes in those measures across the 16 years covered by this report.

Each of the six tables in this section appears on five pages. There are two columns of data for each year, the count of cancer diagnoses or deaths on the left and the age-adjusted rate of incidence or mortality on the right. The latter figure is more meaningful for comparisons across years or comparisons of these with any other incidence or mortality rates (see discussion of age-adjusted rates, page 12; see Cautions on Interpretation, page 14).

Table 4

CANCER SURVEILLANCE PROGRAM OF SAN DIEGO COUNTY
Annual Mortality Counts and Age-Adjusted Mortality Rates per 100,000 by Cancer Site,
1988-2003
Male Residents of San Diego County

CALENDAR YEAR:	1988		1989		1990	
	N	AAMR	N	AAMR	N	AAMR
CANCER SITE						
ALL SITES	1993	255.2	2083	255.5	2162	265.5
BLADDER *	50	6.9	52	6.8	60	8.8
BRAIN AND OTHER CNS	56	7.3	47	5.1	50	5.4
BREAST	4	.s.	1	.s.	1	.s.
BUCCAL CAVITY AND PHARYNX	39	4.8	43	4.9	41	4.5
CERVIX	...	...	...	...	...	...
COLON **	166	21.5	175	22.4	181	23.3
CORPUS AND UTERUS NOS	...	...	...	...	...	...
ESOPHAGUS	59	6.9	59	6.9	56	6.5
HODGKIN'S DISEASE	8	.s.	6	.s.	6	.s.
KAPOSI'S SARCOMA ***	...	...	...	...	...	...
KIDNEY AND RENAL PELVIS	44	5.4	46	5.0	39	4.8
LARYNX	20	2.6	18	2.2	19	2.4
LEUKEMIA	90	11.4	95	11.1	92	11.2
LIVER	33	3.8	37	4.5	48	5.5
LUNG & BRONCHUS	617	77.4	644	75.8	668	79.2
MALIGNANT MELANOMA OF THE SKIN	43	4.8	60	6.9	54	6.3
MULTIPLE MYELOMA	19	2.5	35	4.3	33	4.2
NON-HODGKIN'S LYMPHOMA	76	9.8	88	11.2	79	8.8
OVARY	...	...	...	...	...	...
PANCREAS	83	10.3	112	13.6	113	13.8
PROSTATE	254	36.9	257	36.4	264	37.4
RECTUM & RECTOSIGMOID **	33	4.3	19	2.4	46	5.4
STOMACH	70	8.7	70	9.2	91	10.9
TESTIS	4	.s.	4	.s.	5	.s.
THYROID	9	.s.	5	.s.	4	.s.
ALL OTHER TYPES ****	216	27.0	210	25.3	212	25.4

N = Number of Cases, AAMR = Age-Adjusted Mortality Rate

Sources of data and methods of calculation appear on pages 10-14 of this report.

Mortality data on rare cancer types may be generated upon request. See page 9.

* Please note that COLON and RECTUM & RECTOSIGMOID are presented separately.

** Information on KAPOSI'S SARCOMA as a cause of death is unavailable..

*** The category ALL OTHER TYPES includes relatively rare cancer types.

Data suppression rules (.s., &.) are given on pages 13-14 of this report.

Note: These rates are calculated using the Year 2000 Population Standard (see page 14).

Table 4 (continued)

CANCER SURVEILLANCE PROGRAM OF SAN DIEGO COUNTY
Annual Mortality Counts and Age-Adjusted Mortality Rates per 100,000 by Cancer Site,
1988-2003
Male Residents of San Diego County

CALENDAR YEAR:	1991		1992		1993	
	N	AAMR	N	AAMR	N	AAMR
CANCER SITE						
ALL SITES	2234	263.6	2221	252.8	2158	244.7
BLADDER *	58	7.5	71	9.1	68	8.7
BRAIN AND OTHER CNS	61	6.2	51	5.2	75	7.5
BREAST	...	...	5	.s.	3	.s.
BUCCAL CAVITY AND PHARYNX	40	4.5	49	5.2	44	4.8
CERVIX	...	...	...	...	...	...
COLON **	173	21.2	173	20.4	162	18.8
CORPUS AND UTERUS NOS	...	...	...	...	...	...
ESOPHAGUS	52	5.4	62	7.1	65	7.4
HODGKIN'S DISEASE	9	.s.	4	.s.	7	.s.
KAPOSI'S SARCOMA ***	...	...	...	...	...	...
KIDNEY AND RENAL PELVIS	60	7.1	66	7.3	49	5.3
LARYNX	25	2.8	14	.s.	15	1.7
LEUKEMIA	95	11.3	93	10.7	88	9.8
LIVER	47	5.0	48	4.9	51	5.3
LUNG & BRONCHUS	652	73.8	647	71.7	641	71.1
MALIGNANT MELANOMA OF THE SKIN	43	5.0	51	5.2	38	4.0
MULTIPLE MYELOMA	42	4.7	39	4.2	31	3.5
NON-HODGKIN'S LYMPHOMA	84	9.3	93	10.5	76	8.1
OVARY	...	...	...	...	...	...
PANCREAS	86	9.6	113	12.7	97	11.2
PROSTATE	336	45.5	289	37.1	314	40.3
RECTUM & RECTOSIGMOID **	45	5.3	46	4.9	42	4.6
STOMACH	79	10.0	71	7.8	60	6.5
TESTIS	4	.s.	6	.s.	4	.s.
THYROID	5	.s.	2	.s.	4	.s.
ALL OTHER TYPES ****	238	28.0	228	25.5	224	24.7

N = Number of Cases, AAMR = Age-Adjusted Mortality Rate

Sources of data and methods of calculation appear on pages 10-14 of this report.

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* Please note that COLON and RECTUM & RECTOSIGMOID are presented separately.

** Information on KAPOSI'S SARCOMA as a cause of death is unavailable..

*** The category ALL OTHER TYPES includes relatively rare cancer types.

Data suppression rules (.s., &.) are given on pages 13-14 of this report.

Note: These rates are calculated using the Year 2000 Population Standard (see page 14).

Table 4 (continued)

CANCER SURVEILLANCE PROGRAM OF SAN DIEGO COUNTY
Annual Mortality Counts and Age-Adjusted Mortality Rates per 100,000 by Cancer Site,
1988-2003
Male Residents of San Diego County

CANCER SITE	1994		1995		1996	
	N	AAMR	N	AAMR	N	AAMR
ALL SITES	2229	248.6	2157	238.7	2250	246.0
BLADDER *	80	9.7	62	7.3	79	9.9
BRAIN AND OTHER CNS	66	6.7	68	6.7	69	7.0
BREAST	2	.s.	4	.s.	2	.s.
BUCCAL CAVITY AND PHARYNX	37	4.0	35	3.7	43	4.4
CERVIX	...	...	...	...	...	...
COLON **	159	17.9	168	19.0	189	21.0
CORPUS AND UTERUS NOS	...	...	...	...	...	...
ESOPHAGUS	65	6.9	69	7.4	63	6.7
HODGKIN'S DISEASE	6	.s.	9	.s.	5	.s.
KAPOSI'S SARCOMA ***	...	...	...	...	...	...
KIDNEY AND RENAL PELVIS	60	6.6	46	5.2	65	7.1
LARYNX	13	.s.	19	2.1	22	2.3
LEUKEMIA	92	9.8	111	11.6	105	11.0
LIVER	44	4.5	54	5.7	41	4.4
LUNG & BRONCHUS	660	72.2	589	64.5	625	66.9
MALIGNANT MELANOMA OF THE SKIN	50	5.4	47	5.0	48	5.1
MULTIPLE MYELOMA	40	4.4	55	6.1	28	3.3
NON-HODGKIN'S LYMPHOMA	102	10.8	109	11.6	107	10.9
OVARY	...	...	...	...	...	...
PANCREAS	105	11.9	112	12.6	90	9.6
PROSTATE	298	37.3	283	34.5	287	34.6
RECTUM & RECTOSIGMOID **	36	4.0	33	3.6	43	4.8
STOMACH	61	6.7	59	6.3	61	6.6
TESTIS	3	.s.	4	.s.	5	.s.
THYROID	4	.s.	6	.s.	2	.s.
ALL OTHER TYPES ****	246	27.2	215	23.6	271	29.2

N = Number of Cases, AAMR = Age-Adjusted Mortality Rate

Sources of data and methods of calculation appear on pages 10-14 of this report.

Mortality data on rare cancer types may be generated upon request. See page 9.

* Please note that COLON and RECTUM & RECTOSIGMOID are presented separately.

** Information on KAPOSI'S SARCOMA as a cause of death is unavailable..

*** The category ALL OTHER TYPES includes relatively rare cancer types.

Data suppression rules (.s., &.) are given on pages 13-14 of this report.

Note: These rates are calculated using the Year 2000 Population Standard (see page 14).

Table 4 (continued)

CANCER SURVEILLANCE PROGRAM OF SAN DIEGO COUNTY
Annual Mortality Counts and Age-Adjusted Mortality Rates per 100,000 by Cancer Site,
1988-2003
Male Residents of San Diego County

CANCER SITE	1997		1998		1999	
	N	AAMR	N	AAMR	N	AAMR
ALL SITES	2309	246.8	2253	234.4	2435	239.8
BLADDER *	95	11.1	66	7.2	68	7.0
BRAIN AND OTHER CNS	61	6.2	71	6.6	90	8.1
BREAST	1	.s.	4	.s.	3	.s.
BUCCAL CAVITY AND PHARYNX	35	3.7	45	4.4	42	4.0
CERVIX	...	...	...	...	...	...
COLON **	168	17.9	172	18.2	174	17.3
CORPUS AND UTERUS NOS	...	...	...	...	...	...
ESOPHAGUS	67	7.1	74	7.4	62	6.2
HODGKIN'S DISEASE	5	.s.	10	.s.	6	.s.
KAPOSI'S SARCOMA ***	...	...	...	...	...	...
KIDNEY AND RENAL PELVIS	47	5.0	61	6.2	59	5.9
LARYNX	18	2.0	15	1.5	15	1.5
LEUKEMIA	95	10.5	93	9.3	132	12.6
LIVER	74	7.3	57	5.6	70	6.4
LUNG & BRONCHUS	667	69.5	640	65.7	655	63.8
MALIGNANT MELANOMA OF THE SKIN	73	7.0	70	6.9	59	5.5
MULTIPLE MYELOMA	43	4.6	44	4.6	60	5.9
NON-HODGKIN'S LYMPHOMA	112	11.2	105	10.0	118	11.1
OVARY	...	...	...	...	...	...
PANCREAS	99	10.6	112	12.2	137	13.3
PROSTATE	294	35.3	266	31.4	297	32.3
RECTUM & RECTOSIGMOID **	31	3.3	38	3.9	35	3.5
STOMACH	65	6.9	69	7.3	54	5.2
TESTIS	4	.s.	3	.s.	5	.s.
THYROID	7	.s.	4	.s.	5	.s.
ALL OTHER TYPES ****	248	26.0	234	24.2	289	28.8

N = Number of Cases, AAMR = Age-Adjusted Mortality Rate

Sources of data and methods of calculation appear on pages 10-14 of this report.

Mortality data on rare cancer types may be generated upon request. See page 9.

* Please note that COLON and RECTUM & RECTOSIGMOID are presented separately.

** Information on KAPOSI'S SARCOMA as a cause of death is unavailable..

*** The category ALL OTHER TYPES includes relatively rare cancer types.

Data suppression rules (.s., &.) are given on pages 13-14 of this report.

Note: These rates are calculated using the Year 2000 Population Standard (see page 14).

Table 4 (continued)

CANCER SURVEILLANCE PROGRAM OF SAN DIEGO COUNTY
Annual Mortality Counts and Age-Adjusted Mortality Rates per 100,000 by Cancer Site,
1988-2003
Male Residents of San Diego County

CANCER SITE	2000		2001		2002	
	N	AAMR	N	AAMR	N	AAMR
ALL SITES	2372	222.8	2389	217.8	2331	206.8
BLADDER *	65	6.4	65	6.2	66	6.1
BRAIN AND OTHER CNS	71	6.2	79	6.5	77	6.5
BREAST	...	...	5	.s.	2	.s.
BUCCAL CAVITY AND PHARYNX	46	4.3	41	3.6	35	3.0
CERVIX	...	...	...	...	...	...
COLON **	176	17.0	187	17.2	169	14.8
CORPUS AND UTERUS NOS	...	...	...	...	...	...
ESOPHAGUS	72	6.5	95	8.6	81	7.3
HODGKIN'S DISEASE	4	.s.	6	.s.	5	.s.
KAPOSI'S SARCOMA ***	...	...	...	...	...	...
KIDNEY AND RENAL PELVIS	63	5.9	61	5.4	56	5.0
LARYNX	16	1.6	20	1.8	19	1.7
LEUKEMIA	104	9.4	132	11.7	108	9.5
LIVER	73	6.6	58	5.0	76	6.5
LUNG & BRONCHUS	681	63.5	647	58.9	620	54.9
MALIGNANT MELANOMA OF THE SKIN	47	4.4	62	5.6	62	5.1
MULTIPLE MYELOMA	44	4.1	41	3.7	42	3.7
NON-HODGKIN'S LYMPHOMA	122	11.0	109	10.1	97	8.5
OVARY	...	...	...	...	...	...
PANCREAS	125	11.5	132	12.0	147	13.1
PROSTATE	292	29.7	287	28.2	274	26.1
RECTUM & RECTOSIGMOID **	44	4.0	32	3.0	37	3.3
STOMACH	51	4.8	64	5.9	63	5.5
TESTIS	8	.s.	3	.s.	4	.s.
THYROID	6	.s.	7	.s.	4	.s.
ALL OTHER TYPES ****	262	24.4	256	22.8	287	25.3

N = Number of Cases, AAMR = Age-Adjusted Mortality Rate

Sources of data and methods of calculation appear on pages 10-14 of this report.

Mortality data on rare cancer types may be generated upon request. See page 9.

* Please note that COLON and RECTUM & RECTOSIGMOID are presented separately.

** Information on KAPOSI'S SARCOMA as a cause of death is unavailable..

*** The category ALL OTHER TYPES includes relatively rare cancer types.

Data suppression rules (.s., &.) are given on pages 13-14 of this report.

Note: These rates are calculated using the Year 2000 Population Standard (see page 14).

Table 4 (continued)

CANCER SURVEILLANCE PROGRAM OF SAN DIEGO COUNTY
Annual Mortality Counts and Age-Adjusted Mortality Rates per 100,000 by Cancer Site,
1988-2003
Male Residents of San Diego County

CANCER SITE	2003	
	N	AAMR
ALL SITES	2400	209.8
BLADDER *	74	6.6
BRAIN AND OTHER CNS	79	6.4
BREAST	1	.s.
BUCCAL CAVITY AND PHARYNX	53	4.5
CERVIX	...	...
COLON **	177	15.7
CORPUS AND UTERUS NOS	...	...
ESOPHAGUS	68	5.7
HODGKIN'S DISEASE	6	.s.
KAPOSI'S SARCOMA ***	...	...
KIDNEY AND RENAL PELVIS	55	4.8
LARYNX	23	2.0
LEUKEMIA	108	9.1
LIVER	82	6.8
LUNG & BRONCHUS	630	55.1
MALIGNANT MELANOMA OF THE SKIN	49	4.4
MULTIPLE MYELOMA	48	4.4
NON-HODGKIN'S LYMPHOMA	102	9.0
OVARY	...	...
PANCREAS	124	10.8
PROSTATE	312	29.1
RECTUM & RECTOSIGMOID **	34	3.0
STOMACH	68	5.8
TESTIS	2	.s.
THYROID	6	.s.
ALL OTHER TYPES ****	299	25.5

N = Number of Cases, AAMR = Age-Adjusted Mortality Rate

Sources of data and methods of calculation appear on pages 10-14 of this report.

Mortality data on rare cancer types may be generated upon request. See page 9.

* Please note that COLON and RECTUM & RECTOSIGMOID are presented separately.

** Information on KAPOSI'S SARCOMA as a cause of death is unavailable..

*** The category ALL OTHER TYPES includes relatively rare cancer types.

Data suppression rules (.s., &.) are given on pages 13-14 of this report.

Note: These rates are calculated using the Year 2000 Population Standard (see page 14).

Table 5

CANCER SURVEILLANCE PROGRAM OF SAN DIEGO COUNTY
Annual Mortality Counts and Age-Adjusted Mortality Rates per 100,000 by Cancer Site,
1988-2003
Female Residents of San Diego County

CALENDAR YEAR:	1988		1989		1990	
	N	AAMR	N	AAMR	N	AAMR
CANCER SITE						
ALL SITES	1860	175.6	1930	173.5	2002	178.1
BLADDER *	23	2.2	21	1.9	26	2.4
BRAIN AND OTHER CNS	26	2.5	44	4.1	51	4.4
BREAST	345	33.5	328	30.4	382	34.6
BUCCAL CAVITY AND PHARYNX	29	2.7	28	2.3	25	2.2
CERVIX	34	3.4	35	3.0	32	3.0
COLON **	177	16.5	174	15.5	192	17.5
CORPUS AND UTERUS NOS	51	4.7	45	4.0	42	3.8
ESOPHAGUS	14	.s.	22	2.0	13	.s.
HODGKIN'S DISEASE	3	.s.	4	.s.	3	.s.
KAPOSI'S SARCOMA ***	...	...	...	...	...	...
KIDNEY AND RENAL PELVIS	32	3.0	32	3.0	27	2.4
LARYNX	9	.s.	5	.s.	7	.s.
LEUKEMIA	51	4.8	76	6.9	77	6.8
LIVER	26	2.5	21	1.9	25	2.2
LUNG & BRONCHUS	442	41.3	478	42.1	476	41.9
MALIGNANT MELANOMA OF THE SKIN	23	2.2	22	1.8	21	1.8
MULTIPLE MYELOMA	20	1.9	28	2.6	45	3.8
NON-HODGKIN'S LYMPHOMA	71	6.6	70	6.4	66	5.9
OVARY	103	9.6	107	9.8	103	8.9
PANCREAS	101	9.6	93	8.3	104	9.0
PROSTATE	...	...	...	...	...	...
RECTUM & RECTOSIGMOID **	23	2.2	24	2.2	34	3.0
STOMACH	41	3.8	48	4.2	47	4.1
TESTIS	...	...	...	...	...	...
THYROID	5	.s.	9	.s.	6	.s.
ALL OTHER TYPES ****	211	19.8	216	19.5	198	17.6

N = Number of Cases, AAMR = Age-Adjusted Mortality Rate

Sources of data and methods of calculation appear on pages 10-14 of this report.

Mortality data on rare cancer types may be generated upon request. See page 9.

* Please note that COLON and RECTUM & RECTOSIGMOID are presented separately.

** Information on KAPOSI'S SARCOMA as a cause of death is unavailable.

*** The category ALL OTHER TYPES includes relatively rare cancer types.

Data suppression rules (.s., &.) are given on pages 13-14 of this report.

Note: These rates are calculated using the Year 2000 Population Standard (see page 14).

Table 5 (continued)

CANCER SURVEILLANCE PROGRAM OF SAN DIEGO COUNTY
Annual Mortality Counts and Age-Adjusted Mortality Rates per 100,000 by Cancer Site,
1988-2003
Female Residents of San Diego County

CALENDAR YEAR: CANCER SITE	1991		1992		1993	
	N	AAMR	N	AAMR	N	AAMR
ALL SITES	2042	177.7	2037	173.7	2193	185.4
BLADDER *	22	1.9	24	2.0	27	2.2
BRAIN AND OTHER CNS	42	3.6	65	5.4	42	3.6
BREAST	371	32.7	345	29.9	393	33.5
BUCCAL CAVITY AND PHARYNX	27	2.3	30	2.5	25	2.2
CERVIX	40	3.9	44	3.8	32	2.9
COLON **	174	15.5	194	16.6	190	16.0
CORPUS AND UTERUS NOS	39	3.3	63	5.3	41	3.5
ESOPHAGUS	14	.s.	24	2.0	22	1.8
HODGKIN'S DISEASE	8	.s.	5	.s.	5	.s.
KAPOSI'S SARCOMA ***	...	...	...	...	...	...
KIDNEY AND RENAL PELVIS	29	2.5	29	2.4	31	2.7
LARYNX	7	.s.	8	.s.	6	.s.
LEUKEMIA	73	6.2	74	6.2	81	6.7
LIVER	27	2.3	22	1.9	28	2.3
LUNG & BRONCHUS	490	42.0	486	41.4	566	47.1
MALIGNANT MELANOMA OF THE SKIN	27	2.5	18	1.6	28	2.3
MULTIPLE MYELOMA	42	3.7	41	3.5	31	2.6
NON-HODGKIN'S LYMPHOMA	84	7.2	68	5.8	73	6.2
OVARY	113	9.8	100	8.6	142	12.3
PANCREAS	115	9.9	116	9.9	95	8.1
PROSTATE	...	...	...	...	...	...
RECTUM & RECTOSIGMOID **	28	2.5	32	2.8	37	3.2
STOMACH	37	3.2	44	3.7	54	4.6
TESTIS	...	...	...	...	...	...
THYROID	4	.s.	6	.s.	9	.s.
ALL OTHER TYPES ****	229	19.8	199	16.7	235	20.1

N = Number of Cases, AAMR = Age-Adjusted Mortality Rate

Sources of data and methods of calculation appear on pages 10-14 of this report.

Mortality data on rare cancer types may be generated upon request. See page 9.

* Please note that COLON and RECTUM & RECTOSIGMOID are presented separately.

** Information on KAPOSI'S SARCOMA as a cause of death is unavailable.

*** The category ALL OTHER TYPES includes relatively rare cancer types.

Data suppression rules (.s., &.) are given on pages 13-14 of this report.

Note: These rates are calculated using the Year 2000 Population Standard (see page 14).

Table 5 (continued)

CANCER SURVEILLANCE PROGRAM OF SAN DIEGO COUNTY
Annual Mortality Counts and Age-Adjusted Mortality Rates per 100,000 by Cancer Site,
1988-2003
Female Residents of San Diego County

CANCER SITE	1994		1995		1996	
	N	AAMR	N	AAMR	N	AAMR
ALL SITES	2146	179.1	2175	179.4	2097	171.6
BLADDER *	18	1.5	19	1.5	34	2.7
BRAIN AND OTHER CNS	57	4.8	46	3.7	61	5.0
BREAST	374	31.5	411	34.3	370	31.0
BUCCAL CAVITY AND PHARYNX	20	1.7	25	2.1	29	2.3
CERVIX	35	3.0	41	3.5	21	1.8
COLON **	168	13.9	172	14.2	145	11.8
CORPUS AND UTERUS NOS	46	3.8	47	3.9	40	3.3
ESOPHAGUS	22	1.8	34	2.8	24	2.0
HODGKIN'S DISEASE	6	.s.	4	.s.	5	.s.
KAPOSI'S SARCOMA ***	...	...	...	...	...	...
KIDNEY AND RENAL PELVIS	28	2.5	42	3.5	40	3.3
LARYNX	5	.s.	7	.s.	4	.s.
LEUKEMIA	82	6.8	67	5.4	81	6.5
LIVER	19	1.6	31	2.7	30	2.5
LUNG & BRONCHUS	506	41.9	517	42.5	508	41.3
MALIGNANT MELANOMA OF THE SKIN	21	1.7	25	2.0	19	1.5
MULTIPLE MYELOMA	46	3.8	38	3.1	44	3.6
NON-HODGKIN'S LYMPHOMA	86	7.1	92	7.6	98	7.9
OVARY	143	12.0	130	10.6	135	11.1
PANCREAS	113	9.4	106	8.7	111	9.0
PROSTATE	...	...	...	...	...	...
RECTUM & RECTOSIGMOID **	31	2.6	27	2.3	29	2.4
STOMACH	51	4.3	52	4.3	35	2.9
TESTIS	...	...	...	...	...	...
THYROID	5	.s.	2	.s.	6	.s.
ALL OTHER TYPES ****	264	22.2	240	19.8	228	18.7

N = Number of Cases, AAMR = Age-Adjusted Mortality Rate

Sources of data and methods of calculation appear on pages 10-14 of this report.

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** Information on KAPOSI'S SARCOMA as a cause of death is unavailable.

*** The category ALL OTHER TYPES includes relatively rare cancer types.

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Note: These rates are calculated using the Year 2000 Population Standard (see page 14).

Table 5 (continued)

CANCER SURVEILLANCE PROGRAM OF SAN DIEGO COUNTY
Annual Mortality Counts and Age-Adjusted Mortality Rates per 100,000 by Cancer Site,
1988-2003
Female Residents of San Diego County

CANCER SITE	1997		1998		1999	
	N	AAMR	N	AAMR	N	AAMR
ALL SITES	2173	172.2	2139	164.4	2156	159.2
BLADDER *	35	2.7	30	2.3	26	1.9
BRAIN AND OTHER CNS	44	3.4	62	4.8	68	5.1
BREAST	347	28.0	382	29.9	344	25.9
BUCCAL CAVITY AND PHARYNX	21	1.6	28	2.1	16	1.2
CERVIX	33	2.8	43	3.4	36	2.7
COLON **	165	13.0	184	14.0	154	11.2
CORPUS AND UTERUS NOS	53	4.2	46	3.5	49	3.6
ESOPHAGUS	28	2.2	25	1.9	30	2.2
HODGKIN'S DISEASE	8	.s.	7	.s.	6	.s.
KAPOSI'S SARCOMA ***	...	...	...	...	...	...
KIDNEY AND RENAL PELVIS	35	2.8	34	2.6	36	2.7
LARYNX	8	.s.	10	.s.	8	.s.
LEUKEMIA	76	6.0	73	5.5	69	5.0
LIVER	30	2.3	27	2.1	40	2.9
LUNG & BRONCHUS	533	42.1	492	37.8	525	38.7
MALIGNANT MELANOMA OF THE SKIN	27	2.2	30	2.4	25	1.9
MULTIPLE MYELOMA	39	3.0	32	2.5	42	3.1
NON-HODGKIN'S LYMPHOMA	114	9.0	89	6.7	89	6.5
OVARY	137	10.8	120	9.3	139	10.3
PANCREAS	123	9.8	123	9.2	130	9.5
PROSTATE	...	...	...	...	...	...
RECTUM & RECTOSIGMOID **	21	1.7	29	2.3	34	2.5
STOMACH	46	3.6	37	2.8	46	3.4
TESTIS	...	...	...	...	...	...
THYROID	9	.s.	4	.s.	3	.s.
ALL OTHER TYPES ****	241	19.0	232	17.7	241	17.8

N = Number of Cases, AAMR = Age-Adjusted Mortality Rate

Sources of data and methods of calculation appear on pages 10-14 of this report.

Mortality data on rare cancer types may be generated upon request. See page 9.

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** Information on KAPOSI'S SARCOMA as a cause of death is unavailable.

*** The category ALL OTHER TYPES includes relatively rare cancer types.

Data suppression rules (.s., &.) are given on pages 13-14 of this report.

Note: These rates are calculated using the Year 2000 Population Standard (see page 14).

Table 5 (continued)

CANCER SURVEILLANCE PROGRAM OF SAN DIEGO COUNTY
Annual Mortality Counts and Age-Adjusted Mortality Rates per 100,000 by Cancer Site,
1988-2003
Female Residents of San Diego County

CANCER SITE	2000		2001		2002	
	N	AAMR	N	AAMR	N	AAMR
ALL SITES	2351	166.0	2277	157.6	2253	152.3
BLADDER *	33	2.3	29	1.9	33	2.1
BRAIN AND OTHER CNS	53	3.8	42	3.0	50	3.4
BREAST	415	29.7	373	26.2	407	27.8
BUCCAL CAVITY AND PHARYNX	24	1.8	32	2.2	31	2.1
CERVIX	34	2.5	46	3.2	27	1.8
COLON **	190	13.1	176	11.9	197	13.1
CORPUS AND UTERUS NOS	42	3.0	62	4.3	69	4.7
ESOPHAGUS	27	1.9	26	1.8	24	1.6
HODGKIN'S DISEASE	6	.s.	6	.s.	5	.s.
KAPOSI'S SARCOMA ***	...	...	...	...	...	...
KIDNEY AND RENAL PELVIS	25	1.8	45	3.1	25	1.7
LARYNX	9	.s.	4	.s.	6	.s.
LEUKEMIA	87	6.1	57	4.0	77	5.1
LIVER	37	2.6	31	2.1	34	2.4
LUNG & BRONCHUS	565	40.1	580	40.6	526	35.9
MALIGNANT MELANOMA OF THE SKIN	32	2.2	28	1.9	31	2.1
MULTIPLE MYELOMA	30	2.1	39	2.7	44	3.0
NON-HODGKIN'S LYMPHOMA	91	6.4	91	6.2	76	5.0
OVARY	143	10.1	136	9.6	119	8.2
PANCREAS	144	10.1	141	9.6	130	8.7
PROSTATE	...	...	...	...	...	...
RECTUM & RECTOSIGMOID **	32	2.2	31	2.0	22	1.5
STOMACH	48	3.4	44	3.0	47	3.1
TESTIS	...	...	...	...	...	...
THYROID	8	.s.	9	.s.	4	.s.
ALL OTHER TYPES ****	276	19.3	249	17.0	269	18.1

N = Number of Cases, AAMR = Age-Adjusted Mortality Rate

Sources of data and methods of calculation appear on pages 10-14 of this report.

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* Please note that COLON and RECTUM & RECTOSIGMOID are presented separately.

** Information on KAPOSI'S SARCOMA as a cause of death is unavailable.

*** The category ALL OTHER TYPES includes relatively rare cancer types.

Data suppression rules (.s., &.) are given on pages 13-14 of this report.

Note: These rates are calculated using the Year 2000 Population Standard (see page 14).

Table 5 (continued)

CANCER SURVEILLANCE PROGRAM OF SAN DIEGO COUNTY
Annual Mortality Counts and Age-Adjusted Mortality Rates per 100,000 by Cancer Site,
1988-2003
Female Residents of San Diego County

	2003	
CANCER SITE	N	AAMR
ALL SITES	2315	153.3
BLADDER *	28	1.8
BRAIN AND OTHER CNS	60	4.0
BREAST	362	24.2
BUCCAL CAVITY AND PHARYNX	23	1.5
CERVIX	27	1.8
COLON **	177	11.5
CORPUS AND UTERUS NOS	52	3.4
ESOPHAGUS	21	1.4
HODGKIN'S DISEASE	6	.s.
KAPOSI'S SARCOMA ***	...	...
KIDNEY AND RENAL PELVIS	44	2.9
LARYNX	6	.s.
LEUKEMIA	93	6.1
LIVER	47	3.2
LUNG & BRONCHUS	516	34.4
MALIGNANT MELANOMA OF THE SKIN	31	2.1
MULTIPLE MYELOMA	44	2.9
NON-HODGKIN'S LYMPHOMA	81	5.4
OVARY	165	11.1
PANCREAS	155	10.3
PROSTATE	...	...
RECTUM & RECTOSIGMOID **	28	1.8
STOMACH	48	3.2
TESTIS	...	...
THYROID	7	.s.
ALL OTHER TYPES ****	294	19.2

N = Number of Cases, AAMR = Age-Adjusted Mortality Rate

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Note: These rates are calculated using the Year 2000 Population Standard (see page 14).

Table 6

CANCER SURVEILLANCE PROGRAM OF SAN DIEGO COUNTY
Annual Mortality Counts and Age-Adjusted Mortality Rates per 100,000 by Cancer Site,
1988-2003
Male and Female Residents of San Diego County

CALENDAR YEAR:	1988		1989		1990	
	N	AAMR	N	AAMR	N	AAMR
CANCER SITE						
ALL SITES	3853	206.3	4013	205.0	4164	211.5
BLADDER *	73	4.1	73	3.8	86	4.8
BRAIN AND OTHER CNS	82	4.4	91	4.5	101	4.8
BREAST	349	18.8	329	16.9	383	19.4
BUCCAL CAVITY AND PHARYNX	68	3.5	71	3.5	66	3.3
CERVIX	34	1.8	35	1.6	32	1.7
COLON **	343	18.6	349	18.2	373	20.0
CORPUS AND UTERUS NOS	51	2.7	45	2.3	42	2.2
ESOPHAGUS	73	3.8	81	4.1	69	3.4
HODGKIN'S DISEASE	11	.s.	10	.s.	9	.s.
KAPOSI'S SARCOMA ***	...	...	...	...	...	...
KIDNEY AND RENAL PELVIS	76	4.0	78	3.9	66	3.4
LARYNX	29	1.5	23	1.2	26	1.3
LEUKEMIA	141	7.5	171	8.7	169	8.5
LIVER	59	3.1	58	2.9	73	3.6
LUNG & BRONCHUS	1059	55.9	1122	56.1	1144	57.0
MALIGNANT MELANOMA OF THE SKIN	66	3.3	82	4.0	75	3.8
MULTIPLE MYELOMA	39	2.2	63	3.2	78	3.9
NON-HODGKIN'S LYMPHOMA	147	8.0	158	8.4	145	7.3
OVARY	103	5.4	107	5.5	103	5.0
PANCREAS	184	10.0	205	10.6	217	10.9
PROSTATE	254	14.3	257	13.9	264	14.1
RECTUM & RECTOSIGMOID **	56	3.1	43	2.3	80	4.0
STOMACH	111	6.0	118	6.1	138	7.0
TESTIS	4	.s.	4	.s.	5	.s.
THYROID	14	.s.	14	.s.	10	.s.
ALL OTHER TYPES ****	427	22.9	426	22.0	410	20.9

N = Number of Cases, AAMR = Age-Adjusted Mortality Rate

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*** The category ALL OTHER TYPES includes relatively rare cancer types.

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Note: These rates are calculated using the Year 2000 Population Standard (see page 14).

Table 6 (continued)

CANCER SURVEILLANCE PROGRAM OF SAN DIEGO COUNTY
Annual Mortality Counts and Age-Adjusted Mortality Rates per 100,000 by Cancer Site,
1988-2003
Male and Female Residents of San Diego County

CALENDAR YEAR:	1991		1992		1993	
	N	AAMR	N	AAMR	N	AAMR
CANCER SITE						
ALL SITES	4276	210.5	4258	205.6	4351	208.5
BLADDER *	80	4.1	95	4.8	95	4.7
BRAIN AND OTHER CNS	103	4.8	116	5.2	117	5.4
BREAST	371	18.3	350	17.1	396	18.7
BUCCAL CAVITY AND PHARYNX	67	3.3	79	3.7	69	3.3
CERVIX	40	2.0	44	2.1	32	1.5
COLON **	347	17.6	367	18.4	352	17.3
CORPUS AND UTERUS NOS	39	1.9	63	3.1	41	2.0
ESOPHAGUS	66	3.1	86	4.2	87	4.2
HODGKIN'S DISEASE	17	0.8	9	.s.	12	.s.
KAPOSI'S SARCOMA ***	...	...	...	...	...	...
KIDNEY AND RENAL PELVIS	89	4.4	95	4.6	80	3.9
LARYNX	32	1.5	22	1.1	21	1.0
LEUKEMIA	168	8.2	167	8.1	169	8.0
LIVER	74	3.5	70	3.2	79	3.7
LUNG & BRONCHUS	1142	55.3	1133	54.2	1207	57.1
MALIGNANT MELANOMA OF THE SKIN	70	3.4	69	3.2	66	3.1
MULTIPLE MYELOMA	84	4.1	80	3.9	62	3.0
NON-HODGKIN'S LYMPHOMA	168	8.2	161	7.8	149	7.1
OVARY	113	5.4	100	4.9	142	6.9
PANCREAS	201	9.9	229	11.1	192	9.3
PROSTATE	336	17.4	289	14.5	314	15.7
RECTUM & RECTOSIGMOID **	73	3.6	78	3.7	79	3.8
STOMACH	116	5.9	115	5.5	114	5.5
TESTIS	4	.s.	6	.s.	4	.s.
THYROID	9	.s.	8	.s.	13	.s.
ALL OTHER TYPES ****	467	23.1	427	20.5	459	22.1

N = Number of Cases, AAMR = Age-Adjusted Mortality Rate
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Note: These rates are calculated using the Year 2000 Population Standard (see page 14).

Table 6 (continued)

CANCER SURVEILLANCE PROGRAM OF SAN DIEGO COUNTY
Annual Mortality Counts and Age-Adjusted Mortality Rates per 100,000 by Cancer Site,
1988-2003
Male and Female Residents of San Diego County

CANCER SITE	1994		1995		1996	
	N	AAMR	N	AAMR	N	AAMR
ALL SITES	4375	206.9	4332	202.9	4347	201.4
BLADDER *	98	4.8	81	3.9	113	5.5
BRAIN AND OTHER CNS	123	5.6	114	5.1	130	5.9
BREAST	376	17.8	415	19.4	372	17.3
BUCCAL CAVITY AND PHARYNX	57	2.7	60	2.8	72	3.3
CERVIX	35	1.6	41	1.8	21	1.0
COLON **	327	15.6	340	16.2	334	15.6
CORPUS AND UTERUS NOS	46	2.2	47	2.2	40	1.9
ESOPHAGUS	87	4.0	103	4.8	87	4.0
HODGKIN'S DISEASE	12	.s.	13	.s.	10	.s.
KAPOSI'S SARCOMA ***	...	...	...	...	...	...
KIDNEY AND RENAL PELVIS	88	4.2	88	4.3	105	4.9
LARYNX	18	0.8	26	1.2	26	1.2
LEUKEMIA	174	8.0	178	8.1	186	8.4
LIVER	63	2.9	85	4.0	71	3.3
LUNG & BRONCHUS	1166	54.8	1106	51.6	1133	52.2
MALIGNANT MELANOMA OF THE SKIN	71	3.3	72	3.3	67	3.0
MULTIPLE MYELOMA	86	4.0	93	4.4	72	3.4
NON-HODGKIN'S LYMPHOMA	188	8.8	201	9.3	205	9.3
OVARY	143	6.7	130	6.0	135	6.3
PANCREAS	218	10.4	218	10.2	201	9.4
PROSTATE	298	14.6	283	13.6	287	13.6
RECTUM & RECTOSIGMOID **	67	3.2	60	2.8	72	3.4
STOMACH	112	5.4	111	5.2	96	4.5
TESTIS	3	.s.	4	.s.	5	.s.
THYROID	9	.s.	8	.s.	8	.s.
ALL OTHER TYPES ****	510	24.4	455	21.4	499	23.2

N = Number of Cases, AAMR = Age-Adjusted Mortality Rate

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Note: These rates are calculated using the Year 2000 Population Standard (see page 14).

Table 6 (continued)

CANCER SURVEILLANCE PROGRAM OF SAN DIEGO COUNTY
Annual Mortality Counts and Age-Adjusted Mortality Rates per 100,000 by Cancer Site,
1988-2003
Male and Female Residents of San Diego County

CANCER SITE	1997		1998		1999	
	N	AAMR	N	AAMR	N	AAMR
ALL SITES	4482	202.1	4392	192.3	4591	192.2
BLADDER *	130	6.0	96	4.3	94	4.0
BRAIN AND OTHER CNS	105	4.6	133	5.6	158	6.4
BREAST	348	15.7	386	16.8	347	14.5
BUCCAL CAVITY AND PHARYNX	56	2.5	73	3.2	58	2.4
CERVIX	33	1.4	43	1.8	36	1.5
COLON **	333	15.2	356	15.9	328	13.9
CORPUS AND UTERUS NOS	53	2.4	46	2.0	49	2.1
ESOPHAGUS	95	4.3	99	4.3	92	3.9
HODGKIN'S DISEASE	13	.s.	17	0.7	12	.s.
KAPOSI'S SARCOMA ***	...	...	...	...	...	...
KIDNEY AND RENAL PELVIS	82	3.7	95	4.1	95	4.0
LARYNX	26	1.2	25	1.1	23	1.0
LEUKEMIA	171	7.6	166	7.1	201	8.2
LIVER	104	4.6	84	3.6	110	4.6
LUNG & BRONCHUS	1200	53.9	1132	49.5	1180	49.5
MALIGNANT MELANOMA OF THE SKIN	100	4.3	100	4.3	84	3.4
MULTIPLE MYELOMA	82	3.7	76	3.3	102	4.3
NON-HODGKIN'S LYMPHOMA	226	10.1	194	8.3	207	8.6
OVARY	137	6.2	120	5.3	139	5.9
PANCREAS	222	10.2	235	10.4	267	11.2
PROSTATE	294	13.7	266	12.1	297	12.6
RECTUM & RECTOSIGMOID **	52	2.4	67	3.0	69	2.9
STOMACH	111	5.0	106	4.7	100	4.2
TESTIS	4	.s.	3	.s.	5	.s.
THYROID	16	0.7	8	.s.	8	.s.
ALL OTHER TYPES ****	489	21.9	466	20.3	530	22.2

N = Number of Cases, AAMR = Age-Adjusted Mortality Rate
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Table 6 (continued)

CANCER SURVEILLANCE PROGRAM OF SAN DIEGO COUNTY
Annual Mortality Counts and Age-Adjusted Mortality Rates per 100,000 by Cancer Site,
1988-2003
Male and Female Residents of San Diego County

CANCER SITE	2000		2001		2002	
	N	AAMR	N	AAMR	N	AAMR
ALL SITES	4723	188.2	4666	181.8	4584	174.3
BLADDER *	98	3.9	94	3.7	99	3.8
BRAIN AND OTHER CNS	124	4.9	121	4.6	127	4.8
BREAST	415	16.4	378	14.7	409	15.4
BUCCAL CAVITY AND PHARYNX	70	2.8	73	2.8	66	2.5
CERVIX	34	1.3	46	1.7	27	1.0
COLON **	366	14.7	363	14.2	366	13.9
CORPUS AND UTERUS NOS	42	1.7	62	2.4	69	2.6
ESOPHAGUS	99	4.0	121	4.8	105	4.1
HODGKIN'S DISEASE	10	.s.	12	.s.	10	.s.
KAPOSI'S SARCOMA ***	...	...	...	...	...	...
KIDNEY AND RENAL PELVIS	88	3.6	106	4.1	81	3.1
LARYNX	25	1.0	24	0.9	25	1.0
LEUKEMIA	191	7.5	189	7.3	185	7.0
LIVER	110	4.4	89	3.4	110	4.2
LUNG & BRONCHUS	1246	50.0	1227	48.3	1146	43.9
MALIGNANT MELANOMA OF THE SKIN	79	3.1	90	3.5	93	3.5
MULTIPLE MYELOMA	74	3.0	80	3.1	86	3.3
NON-HODGKIN'S LYMPHOMA	213	8.4	200	7.8	173	6.5
OVARY	143	5.7	136	5.3	119	4.5
PANCREAS	269	10.7	273	10.6	277	10.6
PROSTATE	292	11.7	287	11.2	274	10.4
RECTUM & RECTOSIGMOID **	76	3.0	63	2.5	59	2.3
STOMACH	99	3.9	108	4.2	110	4.1
TESTIS	8	.s.	3	.s.	4	.s.
THYROID	14	.s.	16	0.6	8	.s.
ALL OTHER TYPES ****	538	21.4	505	19.5	556	21.1

N = Number of Cases, AAMR = Age-Adjusted Mortality Rate

Sources of data and methods of calculation appear on pages 10-14 of this report.

Mortality data on rare cancer types may be generated upon request. See page 9.

* Please note that COLON and RECTUM & RECTOSIGMOID are presented separately.

** Information on KAPOSI'S SARCOMA as a cause of death is unavailable.

*** The category ALL OTHER TYPES includes relatively rare cancer types.

Data suppression rules (.s., &.) are given on pages 13-14 of this report.

Note: These rates are calculated using the Year 2000 Population Standard (see page 14).

Table 6 (continued)

CANCER SURVEILLANCE PROGRAM OF SAN DIEGO COUNTY
Annual Mortality Counts and Age-Adjusted Mortality Rates per 100,000 by Cancer Site,
1988-2003
Male and Female Residents of San Diego County

	2003	
CANCER SITE	N	AAMR
ALL SITES	4715	176.3
BLADDER *	102	3.8
BRAIN AND OTHER CNS	139	5.1
BREAST	363	13.3
BUCCAL CAVITY AND PHARYNX	76	2.8
CERVIX	27	0.9
COLON **	354	13.2
CORPUS AND UTERUS NOS	52	1.9
ESOPHAGUS	89	3.3
HODGKIN'S DISEASE	12	.s.
KAPOSI'S SARCOMA ***	...	...
KIDNEY AND RENAL PELVIS	99	3.7
LARYNX	29	1.1
LEUKEMIA	201	7.4
LIVER	129	4.8
LUNG & BRONCHUS	1146	43.4
MALIGNANT MELANOMA OF THE SKIN	80	3.0
MULTIPLE MYELOMA	92	3.5
NON-HODGKIN'S LYMPHOMA	183	6.9
OVARY	165	6.2
PANCREAS	279	10.5
PROSTATE	312	11.7
RECTUM & RECTOSIGMOID **	62	2.3
STOMACH	116	4.4
TESTIS	2	.s.
THYROID	13	.s.
ALL OTHER TYPES ****	593	22.0

N = Number of Cases, AAMR = Age-Adjusted Mortality Rate

Sources of data and methods of calculation appear on pages 10-14 of this report.

Mortality data on rare cancer types may be generated upon request. See page 9.

* Please note that COLON and RECTUM & RECTOSIGMOID are presented separately.

** Information on KAPOSI'S SARCOMA as a cause of death is unavailable.

*** The category ALL OTHER TYPES includes relatively rare cancer types.

Data suppression rules (.s., &.) are given on pages 13-14 of this report.

Note: These rates are calculated using the Year 2000 Population Standard (see page 14).

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SECTION IV

DETAILED TABULAR DATA ON 25 SPECIFIC TYPES OF CANCER, CANCER OF ALL SITES, AND SARCOMA 1999 -2003

Section IV characterizes, in some detail, several aspects of specific types of cancer, including cancer of all sites, as it occurs in San Diego County during the five-year time period 1999 through 2003. The purpose of this Section is to make widely available some of the more technical information which is often the subject of inquiries directed to the San Diego / Imperial Organization for Cancer Control.

Section IV is comprised of Tables 7 through 33. Each table is devoted to a specific type of cancer, including cancer of all sites. The types of cancer portrayed here match those shown in the annual data of Section III, with the rationale for selection given in the methods section (see page 10).

Each table in this section shows numbers of cases and deaths accumulated over the five-year interval, and average annual age-specific and age-adjusted rates derived from those counts. Separate distributions of five-year case counts are given by the following: calendar year of diagnosis and gender, reporting source, stage of disease at diagnosis, histology (cell type), ethnicity and gender, and age group. For both incidence and mortality, average annual age-specific and age-standardized rates are provided by gender and race/ethnicity.

**Table 7
CANCER OF ALL SITES ϕ
1999-2003**

**SAN DIEGO / IMPERIAL ORGANIZATION FOR CANCER CONTROL
San Diego County, Calendar Years: 1999-2003**

Number of Cases by Year and Gender				Reporting Source			
Year	Male	Female	Total	Source	N	%	
1999	6034	5663	11697	Hospital	55871	93.1	
2000	6036	5773	11809	Physician	2524	4.2	
2001	6303	5932	12235	Death Cert.	588	1.0	
2002	6375	5898	12273	Other	1005	1.7	
2003	6163	5811	11974				
Total	30911	29077	59988				

Stage at Diagnosis				Histology			
Stage	N	%		Cell Type	N	%	
Bladder In Situ	1316	2.2		Epidermoid Carcinoma	6624	11.0	
Local	26778	44.6		Adenocarcinoma	33636	56.1	
Regional:				Sarcoma and Other Soft Tissue	983	1.6	
Direct Extension Only	4453	7.4		Melanoma	3561	5.9	
Lymph Nodes Only	4926	8.2		Lymphoma	2715	4.5	
Extension & Nodes	2566	4.3		Leukemia	1644	2.7	
Regional NOS	728	1.2		Other	10825	18.0	
Distant	13466	22.4					
Unstageable	5755	9.6					

Race/Ethnicity: Five-year case counts and average annual age-adjusted incidence rates by gender						
Ethnicity	Males		Females		Both Sexes	
	N	AAIR	N	AAIR	N	AAIR
Asian/PacIsl	1526	338.5	1870	280.6	3396	302.6
Black	1353	638.6	1001	386.1	2354	497.4
Hispanic	3591	477.5	3681	329.4	7272	387.4
White	23575	564.4	22052	448.2	45627	496.0

Incidence and Mortality: Five-year case counts and average annual age-specific and age-adjusted rates by gender

Age	Incidence				Mortality			
	Male		Female		Male		Female	
	N	A-SR	N	A-SR	N	A-SR	N	A-SR
00-14	275	17.7	219	14.9	51	3.3	38	2.6
15-29	642	34.9	603	38.1	100	5.4	67	4.2
30-49	3136	138.9	4920	223.1	741	32.8	885	40.1
50-69	12266	1093.0	10654	867.8	3689	328.7	3524	287.1
70-79	9387	2946.0	7346	1761.0	3971	1246.3	3418	819.4
80-Up	5205	3185.4	5335	1970.0	3375	2065.5	3420	1263.3
Total	30911		29077		11927		11352	
A-AR		543.2		410.1		219.0		157.5

- N = number of cases or deaths, % = percentage of five-year total of cases
 - Histologic categories are site specific, and change from one cancer site to another.
 - Ethnic categories are mutually exclusive, and Hispanics are not included in any other ethnic group.
 - AAIR = age-adjusted incidence rate per 100,000 people.
 - A-SR = age-specific rate per 100,000 people, for incidence or mortality, as appropriate.
 - A-AR = age-adjusted rate per 100,000 people, for incidence or mortality, as appropriate.

Sources of data and methods for calculations and suppressed data (.s.,&.) are given on pages 10-14 of this report.

ϕ Excepting only Bladder Cancer, this report includes invasive disease only. See page 11.

Note: The age-adjusted rates are calculated using the Year 2000 Population Standard (see page 14).

Table 7
CANCER OF ALL SITES ϕ
1999-2003

SAN DIEGO / IMPERIAL ORGANIZATION FOR CANCER CONTROL
San Diego County, Calendar Years: 1999-2003

Race/Ethnicity: Five-year case counts and average annual age-specific incidence rates by gender								
	Asian / Pacific Islander		non-Hispanic Black		Hispanic		non-Hispanic White	
	N	A-SR	N	A-SR	N	A-SR	N	A-SR
Incidence: Males								
00-14	18	13.2	13	.s.	116	19.7	122	19.0
15-29	29	16.0	20	16.8	192	29.2	390	46.9
30-49	161	75.6	210	149.3	540	96.0	2113	162.7
50-69	671	663.1	745	1533.1	1376	848.2	9142	1152.6
70-79	476	1906.1	274	3190.5	1013	2826.8	7381	3000.7
80-Up	171	2089.4	91	2972.9	354	2932.4	4427	3190.4
Total	1526		1353		3591		23575	
A-AR		338.5		638.6		477.5		564.4
Incidence: Females								
00-14	17	13.5	11	.s.	107	18.9	77	12.6
15-29	46	26.0	27	29.8	148	25.4	364	52.9
30-49	448	178.4	231	188.8	1008	171.2	3097	258.1
50-69	827	610.1	408	795.8	1386	672.2	7879	966.0
70-79	371	1037.6	191	1602.3	639	1250.5	6055	1928.5
80-Up	161	1318.5	133	2181.4	393	1856.1	4580	2001.5
Total	1870		1001		3681		22052	
A-AR		280.6		386.1		329.4		448.2
Mortality: Males								
00-14	3	.s.	1	.s.	37	6.3	10	.s.
15-29	7	.s.	4	.s.	47	7.2	41	4.9
30-49	75	35.2	55	39.1	142	25.2	466	35.9
50-69	238	235.2	244	502.1	463	285.4	2731	344.3
70-79	198	792.9	141	1641.8	393	1096.7	3228	1312.3
80-Up	115	1405.2	81	2646.2	235	1946.7	2941	2119.5
Total	636		526		1317		9417	
A-AR		154.6		298.9		200.6		226.7
Mortality: Females								
00-14	3	.s.	2	.s.	25	4.4	8	.s.
15-29	5	.s.	2	.s.	26	4.5	34	4.9
30-49	75	29.9	59	48.2	221	37.5	523	43.6
50-69	297	219.1	209	407.7	422	204.7	2581	316.4
70-79	202	565.0	113	948.0	307	600.8	2785	887.0
80-Up	101	827.1	86	1410.5	273	1289.4	2952	1290.0
Total	683		471		1274		8883	
A-AR		112.5		197.1		132.5		167.5

- N = number of cases or deaths, as appropriate

- Ethnic categories are mutually exclusive, and Hispanics are not included in any other ethnic group.

- A-SR = age-specific rate per 100,000 people, for incidence or mortality, as appropriate.

- A-AR = age-adjusted rate per 100,000 people, for incidence or mortality, as appropriate.

* Rates for 'Other/Unknown' group are not estimated because no population estimates exist.

Sources of data and methods for calculations and suppressed data (.s.,.&.) are given on pages 10-14 of this report.

Note: The age-adjusted are calculated using the Year 2000 Population Standard (see page 14).

Table 8
CANCER OF THE URINARY BLADDER ϕ
1999-2003

SAN DIEGO / IMPERIAL ORGANIZATION FOR CANCER CONTROL
San Diego County, Calendar Years: 1999-2003

Number of Cases by Year and Gender				Reporting Source			
Year	Male	Female	Total	Source	N	%	
1999	385	117	502	Hospital	2451	98.0	
2000	392	127	519	Physician	24	1.0	
2001	379	121	500	Death Cert.	13	0.5	
2002	352	136	488	Other	13	0.5	
2003	391	101	492				
Total	1899	602	2501				

Stage at Diagnosis				Histology			
Stage	N	%		Cell Type	N	%	
Bladder In Situ	1316	52.6		Adenocarcinoma	13	0.5	
Local	810	32.4		Papillary Transitional Cell Ca	1662	66.5	
Regional:				Squamous Cell Ca	41	1.6	
Direct Extension Only	139	5.6		Transitional Cell Ca	626	25.0	
Lymph Nodes Only	14	0.6		Other	159	6.4	
Extension & Nodes	39	1.6					
Regional NOS	...	...			
Distant	93	3.7					
Unstageable	90	3.6					

Race/Ethnicity: Five-year case counts and average annual age-adjusted incidence rates by gender						
Ethnicity	Males		Females		Both Sexes	
	N	AAIR	N	AAIR	N	AAIR
Asian/PacIsl	50	12.5	17	3.6	67	7.2
Black	34	19.2	14	.s.	48	11.9
Hispanic	131	22.3	51	5.5	182	12.2
White	1663	39.8	514	9.7	2177	22.7

Incidence and Mortality: Five-year case counts and average annual age-specific and age-adjusted rates by gender

Age	Incidence				Mortality			
	Male		Female		Male		Female	
	N	A-SR	N	A-SR	N	A-SR	N	A-SR
00-14	1	.s.	1	.s.	...	...	...	...
15-29	4	.s.	2	.s.	...	...	...	...
30-49	83	3.7	23	1.0	4	.s.	3	.s.
50-69	566	50.4	183	14.9	80	7.1	27	2.2
70-79	697	218.7	199	47.7	118	37.0	44	10.5
80-Up	548	335.4	194	71.7	136	83.2	75	27.7
Total	1899		602		338		149	
A-AR		35.0		8.3		6.5		2.0

- N = number of cases or deaths, % = percentage of five-year total of cases
 - Histologic categories are site specific, and change from one cancer site to another.
 - Ethnic categories are mutually exclusive, and Hispanics are not included in any other ethnic group.
 - AAIR = age-adjusted incidence rate per 100,000 people.
 - A-SR = age-specific rate per 100,000 people, for incidence or mortality, as appropriate.
 - A-AR = age-adjusted rate per 100,000 people, for incidence or mortality, as appropriate.

Sources of data and methods for calculations and suppressed data (.s.,.&.) are given on pages 10-14 of this report.
 ϕ In-situ and invasive Bladder-Cancer cases are combined. See page 11.

Note: The age-adjusted rates are calculated using the Year 2000 Population Standard (see page 14).

Table 8
CANCER OF THE URINARY BLADDER ϕ
1999-2003

SAN DIEGO / IMPERIAL ORGANIZATION FOR CANCER CONTROL
San Diego County, Calendar Years: 1999-2003

Race/Ethnicity: Five-year case counts and average annual age-specific incidence rates by gender								
	Asian / Pacific Islander		non-Hispanic Black		Hispanic		non-Hispanic White	
	N	A-SR	N	A-SR	N	A-SR	N	A-SR
Incidence: Males								
00-14	...	...	1	.s.	...	...	...	...
15-29	...	...	...	...	1	.s.	3	.s.
30-49	1	.s.	2	.s.	10	.s.	69	5.3
50-69	23	22.7	15	30.9	40	24.7	481	60.6
70-79	16	64.1	13	.s.	53	147.9	609	247.6
80-Up	10	.s.	.s.	.s.	27	223.7	501	361.1
Total	50		34		131		1663	
A-AR		12.5		19.2		22.3		39.8
Incidence: Females								
00-14	...	...	...	...	1	.s.	...	...
15-29	...	...	...	...	1	.s.	1	.s.
30-49	1	.s.	...	...	3	.s.	19	1.6
50-69	4	.s.	5	.s.	23	11.2	150	18.4
70-79	3	.s.	6	.s.	11	.s.	177	56.4
80-Up	9	.s.	.s.	.s.	12	.s.	167	73.0
Total	17		14		51		514	
A-AR		3.6		.s.		5.5		9.7
Mortality: Males								
00-14	...	...	...	...	...	...	...	...
15-29	...	...	...	...	...	...	...	...
30-49	...	...	...	...	...	...	4	.s.
50-69	4	.s.	2	.s.	10	.s.	64	8.1
70-79	7	.s.	.s.	.s.	6	.s.	103	41.9
80-Up	.s.	.s.	.s.	.s.	4	.s.	129	93.0
Total	13		5		20		300	
A-AR		.s.		.s.		3.6		7.2
Mortality: Females								
00-14	...	...	...	...	...	...	...	...
15-29	...	...	...	...	...	...	...	...
30-49	...	...	...	...	1	.s.	2	.s.
50-69	...	...	2	.s.	2	.s.	23	2.8
70-79	1	.s.	2	.s.	6	.s.	35	11.1
80-Up	2	.s.	.s.	.s.	10	.s.	61	26.7
Total	3		6		19		121	
A-AR		.s.		.s.		2.5		2.1

- N = number of cases or deaths, as appropriate

- Ethnic categories are mutually exclusive, and Hispanics are not included in any other ethnic group.

- A-SR = age-specific rate per 100,000 people, for incidence or mortality, as appropriate.

- A-AR = age-adjusted rate per 100,000 people, for incidence or mortality, as appropriate.

* Rates for 'Other/Unknown' group are not estimated because no population estimates exist.

Sources of data and methods for calculations and suppressed data (.s.,.&.) are given on pages 10-14 of this report.

ϕ In-situ and invasive Bladder-Cancer cases are combined. See page 11.

Note: The age-adjusted are calculated using the Year 2000 Population Standard (see page 14).

**Table 9
CANCER OF THE BRAIN / CENTRAL NERVOUS SYSTEM
1999-2003**

**SAN DIEGO / IMPERIAL ORGANIZATION FOR CANCER CONTROL
San Diego County, Calendar Years: 1999-2003**

Number of Cases by Year and Gender				Reporting Source			
Year	Male	Female	Total	Source	N	%	
1999	94	68	162	Hospital	816	93.3	
2000	95	64	159	Physician	35	4.0	
2001	95	81	176	Death Cert.	9	1.0	
2002	108	91	199	Other	15	1.7	
2003	95	84	179				
Total	487	388	875				

Stage at Diagnosis				Histology			
Stage	N	%		Cell Type	N	%	
Local	592	67.7		Astrocytoma	169	19.3	
Regional:				Glioblastoma	438	50.1	
Direct Extension Only	...	...		Malignant Glioma	76	8.7	
Lymph Nodes Only	...	...		Medulloblastoma	22	2.5	
Extension & Nodes	...	...		Meningioma	9	1.0	
Regional NOS	157	17.9		Oligodendroglioma	51	5.8	
Distant	19	2.2		Other	110	12.6	
Unstageable	107	12.2					

Race/Ethnicity: Five-year case counts and average annual age-adjusted incidence rates by gender						
Ethnicity	Males		Females		Both Sexes	
	N	AAIR	N	AAIR	N	AAIR
Asian/PacIsl	15	2.8	14	.s.	29	2.4
Black	11	.s.	8	.s.	19	3.3
Hispanic	83	6.8	71	5.2	154	5.9
White	376	9.1	293	6.4	669	7.7

Incidence and Mortality: Five-year case counts and average annual age-specific and age-adjusted rates by gender

Age	Incidence				Mortality			
	Male		Female		Male		Female	
	N	A-SR	N	A-SR	N	A-SR	N	A-SR
00-14	47	3.0	42	2.8	18	1.2	12	.s.
15-29	44	2.4	26	1.6	19	1.0	7	.s.
30-49	107	4.7	73	3.3	65	2.9	38	1.7
50-69	146	13.0	109	8.9	142	12.7	87	7.1
70-79	84	26.4	88	21.1	91	28.6	71	17.0
80-Up	59	36.1	50	18.5	61	37.3	58	21.4
Total	487		388		396		273	
A-AR		7.8		5.5		6.7		3.8

- N = number of cases or deaths, % = percentage of five-year total of cases
 - Histologic categories are site specific, and change from one cancer site to another.
 - Ethnic categories are mutually exclusive, and Hispanics are not included in any other ethnic group.
 - AAIR = age-adjusted incidence rate per 100,000 people.
 - A-SR = age-specific rate per 100,000 people, for incidence or mortality, as appropriate.
 - A-AR = age-adjusted rate per 100,000 people, for incidence or mortality, as appropriate.
 Sources of data and methods for calculations and suppressed data (.s.,.&.) are given on pages 10-14 of this report.

Note: The age-adjusted rates are calculated using the Year 2000 Population Standard (see page 14).

Table 9
CANCER OF THE BRAIN / CENTRAL NERVOUS SYSTEM
1999-2003

SAN DIEGO / IMPERIAL ORGANIZATION FOR CANCER CONTROL
San Diego County, Calendar Years: 1999-2003

Race/Ethnicity: Five-year case counts and average annual age-specific incidence rates by gender								
	Asian / Pacific Islander		non-Hispanic Black		Hispanic		non-Hispanic White	
	N	A-SR	N	A-SR	N	A-SR	N	A-SR
Incidence: Males								
00-14	2	.s.	...	...	28	4.8	17	2.6
15-29	2	.s.	1	.s.	9	.s.	32	3.9
30-49	4	.s.	6	.s.	17	3.0	80	6.2
50-69	5	.s.	2	.s.	14	.s.	123	15.5
70-79	1	.s.	.s.	.s.	12	.s.	69	28.1
80-Up	.s.	.s.	...	...	3	.s.	55	39.6
Total	15		11		83		376	
A-AR		2.8		.s.		6.8		9.1
Incidence: Females								
00-14	5	.s.	3	.s.	17	3.0	16	2.6
15-29	...	...	...	...	7	.s.	19	2.8
30-49	5	.s.	1	.s.	15	2.5	51	4.2
50-69	2	.s.	2	.s.	18	8.7	87	10.7
70-79	1	.s.	...	...	7	.s.	80	25.5
80-Up	1	.s.	.s.	.s.	7	.s.	40	17.5
Total	14		8		71		293	
A-AR		.s.		.s.		5.2		6.4
Mortality: Males								
00-14	2	.s.	...	...	13	.s.	3	.s.
15-29	2	.s.	...	...	5	.s.	12	.s.
30-49	5	.s.	1	.s.	10	.s.	48	3.7
50-69	2	.s.	3	.s.	15	9.2	122	15.4
70-79	3	.s.	.s.	.s.	11	.s.	74	30.1
80-Up	.s.	.s.	.s.	.s.	3	.s.	55	39.6
Total	16		8		57		314	
A-AR		3.2		.s.		5.7		7.5
Mortality: Females								
00-14	1	.s.	1	.s.	7	.s.	3	.s.
15-29	1	.s.	...	...	2	.s.	4	.s.
30-49	1	.s.	...	...	8	.s.	29	2.4
50-69	6	.s.	1	.s.	13	.s.	67	8.2
70-79	2	.s.	...	...	4	.s.	65	20.7
80-Up	1	.s.	.s.	.s.	5	.s.	50	21.9
Total	12		4		39		218	
A-AR		.s.		.s.		3.3		4.4

- N = number of cases or deaths, as appropriate

- Ethnic categories are mutually exclusive, and Hispanics are not included in any other ethnic group.

- A-SR = age-specific rate per 100,000 people, for incidence or mortality, as appropriate.

- A-AR = age-adjusted rate per 100,000 people, for incidence or mortality, as appropriate.

* Rates for 'Other/Unknown' group are not estimated because no population estimates exist.

Sources of data and methods for calculations and suppressed data (.s.,.&.) are given on pages 10-14 of this report.

Note: The age-adjusted are calculated using the Year 2000 Population Standard (see page 14).

**Table 10
CANCER OF THE BREAST
1999-2003**

**SAN DIEGO / IMPERIAL ORGANIZATION FOR CANCER CONTROL
San Diego County, Calendar Years: 1999-2003**

Number of Cases by Year and Gender				Reporting Source			
Year	Male	Female	Total	Source	N	%	
1999	9	1902	1911	Hospital	9221	97.6	
2000	9	1879	1888	Physician	95	1.0	
2001	13	1939	1952	Death Cert.	64	0.7	
2002	6	1842	1848	Other	71	0.8	
2003	17	1835	1852				
Total	54	9397	9451				

Stage at Diagnosis				Histology			
Stage	N		%	Cell Type	N	%	
Local	5666		60.0	Adenocarcinoma	95	1.0	
Regional:				Comedocarcinoma	24	0.3	
Direct Extension Only	164		1.7	Ductal Carcinoma	6211	65.7	
Lymph Nodes Only	2586		27.4	Ductal & Lobular Ca	1041	11.0	
Extension & Nodes	306		3.2	Inflammatory Ca	134	1.4	
Regional NOS	1		0.0	Lobular Carcinoma	812	8.6	
Distant	418		4.4	Medullary Ca	51	0.5	
Unstageable	310		3.3	Mucinous Adenocarcinoma	225	2.4	
				Pagets Disease	71	0.8	
				Tubular Adenocarcinoma	145	1.5	
				Other	642	6.8	

Race/Ethnicity: Five-year case counts and average annual age-adjusted incidence rates by gender						
Ethnicity	Males		Females		Both Sexes	
	N	AAIR	N	AAIR	N	AAIR
Asian/PacIsl	4	.s.	605	85.3	609	49.0
Black	2	.s.	306	108.4	308	58.0
Hispanic	6	.s.	1145	99.0	1151	56.5
White	41	1.0	7225	151.4	7266	80.0

Incidence and Mortality: Five-year case counts and average annual age-specific and age-adjusted rates by gender

Age	Incidence				Mortality			
	Male		Female		Male		Female	
	N	A-SR	N	A-SR	N	A-SR	N	A-SR
00-14	...	...	...	...	...	...	...	...
15-29	...	...	42	2.7	...	...	2	.s.
30-49	11	.s.	2114	95.8	...	...	296	13.4
50-69	15	1.3	4075	331.9	6	.s.	717	58.4
70-79	15	4.7	2017	483.5	3	.s.	437	104.8
80-Up	13	.s.	1149	424.4	2	.s.	449	165.9
Total	54		9397		11		1901	
A-AR		1.0		134.5		.s.		26.7

- N = number of cases or deaths, % = percentage of five-year total of cases
 - Histologic categories are site specific, and change from one cancer site to another.
 - Ethnic categories are mutually exclusive, and Hispanics are not included in any other ethnic group.
 - AAIR = age-adjusted incidence rate per 100,000 people.
 - A-SR = age-specific rate per 100,000 people, for incidence or mortality, as appropriate.
 - A-AR = age-adjusted rate per 100,000 people, for incidence or mortality, as appropriate.
 Sources of data and methods for calculations and suppressed data (.s.,.&.) are given on pages 10-14 of this report.

Note: The age-adjusted rates are calculated using the Year 2000 Population Standard (see page 14).

Table 10
CANCER OF THE BREAST
1999-2003

SAN DIEGO / IMPERIAL ORGANIZATION FOR CANCER CONTROL
San Diego County, Calendar Years: 1999-2003

Race/Ethnicity: Five-year case counts and average annual age-specific incidence rates by gender								
	Asian / Pacific Islander		non-Hispanic Black		Hispanic		non-Hispanic White	
	N	A-SR	N	A-SR	N	A-SR	N	A-SR
Incidence: Males								
00-14	...	...	...	...	...	...	...	...
15-29	...	...	...	...	...	...	...	...
30-49	2	.s.	...	...	...	...	9	.s.
50-69	...	...	...	...	4	.s.	11	.s.
70-79	...	...	.s.	.s.	1	.s.	12	.s.
80-Up	.s.	.s.	...	...	1	.s.	9	.s.
Total	4		2		6		41	
A-AR		.s.		.s.		.s.		1.0
Incidence: Females								
00-14	...	...	...	...	...	...	...	...
15-29	3	.s.	3	.s.	12	.s.	24	3.5
30-49	215	85.6	117	95.6	412	70.0	1338	111.5
50-69	296	218.4	125	243.8	491	238.1	3121	382.7
70-79	65	181.8	37	310.4	163	319.0	1724	549.1
80-Up	26	212.9	24	393.6	67	316.4	1018	444.9
Total	605		306		1145		7225	
A-AR		85.3		108.4		99.0		151.4
Mortality: Males								
00-14	...	...	...	...	...	...	...	...
15-29	...	...	...	...	...	...	...	...
30-49	...	...	...	...	...	...	...	...
50-69	...	...	...	...	1	.s.	5	.s.
70-79	...	...	...	...	...	...	3	.s.
80-Up	...	...	...	...	...	...	2	.s.
Total	...		...		1		10	
A-AR		...		...		.s.		.s.
Mortality: Females								
00-14	...	...	...	...	...	...	...	...
15-29	...	...	...	...	1	.s.	1	.s.
30-49	21	8.4	27	22.1	67	11.4	181	15.1
50-69	49	36.1	44	85.8	77	37.3	546	66.9
70-79	19	53.1	10	.s.	29	56.8	376	119.8
80-Up	8	.s.	10	.s.	30	141.7	399	174.4
Total	97		91		204		1503	
A-AR		15.0		33.9		19.0		29.7

- N = number of cases or deaths, as appropriate

- Ethnic categories are mutually exclusive, and Hispanics are not included in any other ethnic group.

- A-SR = age-specific rate per 100,000 people, for incidence or mortality, as appropriate.

- A-AR = age-adjusted rate per 100,000 people, for incidence or mortality, as appropriate.

* Rates for 'Other/Unknown' group are not estimated because no population estimates exist.

Sources of data and methods for calculations and suppressed data (.s.,.&.) are given on pages 10-14 of this report.

Note: The age-adjusted are calculated using the Year 2000 Population Standard (see page 14).

**Table 11
CANCER OF THE BUCCAL CAVITY AND PHARYNX
1999-2003**

**SAN DIEGO / IMPERIAL ORGANIZATION FOR CANCER CONTROL
San Diego County, Calendar Years: 1999-2003**

Number of Cases by Year and Gender				Reporting Source			
Year	Male	Female	Total	Source	N	%	
1999	204	100	304	Hospital	1473	96.0	
2000	212	89	301	Physician	34	2.2	
2001	219	93	312	Death Cert.	7	0.5	
2002	223	101	324	Other	21	1.4	
2003	215	79	294				
Total	1073	462	1535				

Stage at Diagnosis				Histology			
Stage	N	%		Cell Type	N	%	
Local	620	40.4		Adenocarcinoma	26	1.7	
Regional:				Adenoid Cystic Carcinoma	25	1.6	
Direct Extension Only	195	12.7		Mucoepidermoid Ca	48	3.1	
Lymph Nodes Only	262	17.1		Squamous Cell Ca	1224	79.7	
Extension & Nodes	251	16.4		Other	212	13.8	
Regional NOS	1	0.1					
Distant	133	8.7					
Unstageable	73	4.8					

Race/Ethnicity: Five-year case counts and average annual age-adjusted incidence rates by gender						
Ethnicity	Males		Females		Both Sexes	
	N	AAIR	N	AAIR	N	AAIR
Asian/PacIsl	57	10.8	35	5.2	92	7.6
Black	45	18.7	18	6.9	63	12.3
Hispanic	99	11.7	38	3.4	137	6.9
White	857	20.3	362	7.3	1219	13.4

Incidence and Mortality: Five-year case counts and average annual age-specific and age-adjusted rates by gender

Age	Incidence				Mortality			
	Male		Female		Male		Female	
	N	A-SR	N	A-SR	N	A-SR	N	A-SR
00-14	4	.s.	...	...	...	...	...	...
15-29	12	.s.	11	.s.	...	...	1	.s.
30-49	208	9.2	69	3.1	20	0.9	13	.s.
50-69	501	44.6	161	13.1	79	7.0	41	3.3
70-79	243	76.3	138	33.1	76	23.9	40	9.6
80-Up	105	64.3	83	30.7	42	25.7	31	11.5
Total	1073		462		217		126	
A-AR		18.1		6.5		3.9		1.8

- N = number of cases or deaths, % = percentage of five-year total of cases
 - Histologic categories are site specific, and change from one cancer site to another.
 - Ethnic categories are mutually exclusive, and Hispanics are not included in any other ethnic group.
 - AAIR = age-adjusted incidence rate per 100,000 people.
 - A-SR = age-specific rate per 100,000 people, for incidence or mortality, as appropriate.
 - A-AR = age-adjusted rate per 100,000 people, for incidence or mortality, as appropriate.
 Sources of data and methods for calculations and suppressed data (.s.,.&) are given on pages 10-14 of this report.

Note: The age-adjusted rates are calculated using the Year 2000 Population Standard (see page 14).

Table 11
CANCER OF THE BUCCAL CAVITY AND PHARYNX
1999-2003

SAN DIEGO / IMPERIAL ORGANIZATION FOR CANCER CONTROL
San Diego County, Calendar Years: 1999-2003

Race/Ethnicity: Five-year case counts and average annual age-specific incidence rates by gender								
	Asian / Pacific Islander		non-Hispanic Black		Hispanic		non-Hispanic White	
	N	A-SR	N	A-SR	N	A-SR	N	A-SR
Incidence: Males								
00-14	...	...	...	...	...	...	4	.s.
15-29	5	.s.	...	...	2	.s.	5	.s.
30-49	20	9.4	10	.s.	31	5.5	144	11.1
50-69	20	19.8	27	55.6	40	24.7	405	51.1
70-79	7	.s.	7	.s.	20	55.8	207	84.2
80-Up	5	.s.	.s.	.s.	6	.s.	92	66.3
Total	57		45		99		857	
A-AR		10.8		18.7		11.7		20.3
Incidence: Females								
00-14	...	...	...	...	...	...	...	...
15-29	3	.s.	2	.s.	2	.s.	4	.s.
30-49	11	.s.	4	.s.	12	.s.	41	3.4
50-69	10	.s.	6	.s.	11	.s.	133	16.3
70-79	8	.s.	4	.s.	9	.s.	112	35.7
80-Up	3	.s.	.s.	.s.	4	.s.	72	31.5
Total	35		18		38		362	
A-AR		5.2		6.9		3.4		7.3
Mortality: Males								
00-14	...	...	...	...	...	...	...	...
15-29	...	...	...	...	...	...	...	...
30-49	3	.s.	...	...	4	.s.	13	.s.
50-69	8	.s.	8	.s.	3	.s.	60	7.6
70-79	3	.s.	.s.	.s.	7	.s.	65	26.4
80-Up	.s.	.s.	...	...	2	.s.	36	25.9
Total	18		9		16		174	
A-AR		4.6		.s.		2.4		4.1
Mortality: Females								
00-14	...	...	...	...	...	...	...	...
15-29	...	...	...	...	1	.s.	...	...
30-49	2	.s.	1	.s.	2	.s.	8	.s.
50-69	5	.s.	1	.s.	2	.s.	33	4.0
70-79	4	.s.	2	.s.	2	.s.	31	9.9
80-Up	...	...	...	...	1	.s.	30	13.1
Total	11		4		8		102	
A-AR		.s.		.s.		.s.		2.0

- N = number of cases or deaths, as appropriate

- Ethnic categories are mutually exclusive, and Hispanics are not included in any other ethnic group.

- A-SR = age-specific rate per 100,000 people, for incidence or mortality, as appropriate.

- A-AR = age-adjusted rate per 100,000 people, for incidence or mortality, as appropriate.

* Rates for 'Other/Unknown' group are not estimated because no population estimates exist.

Sources of data and methods for calculations and suppressed data (.s.,.&.) are given on pages 10-14 of this report.

Note: The age-adjusted are calculated using the Year 2000 Population Standard (see page 14).

**Table 12
CANCER OF THE CERVIX
1999-2003**

**SAN DIEGO / IMPERIAL ORGANIZATION FOR CANCER CONTROL
San Diego County, Calendar Years: 1999-2003**

Number of Cases by Year and Gender				Reporting Source			
Year	Male	Female	Total	Source	N	%	
1999	...	114	114	Hospital	505	96.2	
2000	...	102	102	Physician	11	2.1	
2001	...	99	99	Death Cert.	1	0.2	
2002	...	98	98	Other	8	1.5	
2003	...	112	112				
Total	...	525	525				

Stage at Diagnosis				Histology			
Stage	N	%		Cell Type	N	%	
Local	262	49.9		Adenocarcinoma	83	15.8	
Regional:				Adenosquamous Ca	23	4.4	
Direct Extension Only	122	23.2		Squamous Cell Ca	341	65.0	
Lymph Nodes Only	34	6.5		Other	78	14.9	
Extension & Nodes	19	3.6					
Regional NOS	...	...			
Distant	51	9.7					
Unstageable	37	7.0					

Race/Ethnicity: Five-year case counts and average annual age-adjusted incidence rates by gender						
Ethnicity	Males		Females		Both Sexes	
	N	AAIR	N	AAIR	N	AAIR
Asian/PacIsl	71	10.1	71	5.7
Black	13	.s.	13	.s.
Hispanic	171	11.7	171	6.4
White	261	6.1	261	3.0

Incidence and Mortality: Five-year case counts and average annual age-specific and age-adjusted rates by gender

Age	Incidence				Mortality			
	Male		Female		Male		Female	
	N	A-SR	N	A-SR	N	A-SR	N	A-SR
00-14
15-29	32	2.0	...	...	7	.s.
30-49	263	11.9	...	...	61	2.8
50-69	159	13.0	...	...	58	4.7
70-79	46	11.0	...	...	24	5.8
80-Up	25	9.2	...	...	20	7.4
Total	525	...	...	...	170	...
A-AR	7.4	...	...	...	2.4

- N = number of cases or deaths, % = percentage of five-year total of cases
 - Histologic categories are site specific, and change from one cancer site to another.
 - Ethnic categories are mutually exclusive, and Hispanics are not included in any other ethnic group.
 - AAIR = age-adjusted incidence rate per 100,000 people.
 - A-SR = age-specific rate per 100,000 people, for incidence or mortality, as appropriate.
 - A-AR = age-adjusted rate per 100,000 people, for incidence or mortality, as appropriate.
 Sources of data and methods for calculations and suppressed data (.s.,.&.) are given on pages 10-14 of this report.

Note: The age-adjusted rates are calculated using the Year 2000 Population Standard (see page 14).

Table 12
CANCER OF THE CERVIX
1999-2003

SAN DIEGO / IMPERIAL ORGANIZATION FOR CANCER CONTROL
San Diego County, Calendar Years: 1999-2003

Race/Ethnicity: Five-year case counts and average annual age-specific incidence rates by gender								
	Asian / Pacific Islander		non-Hispanic Black		Hispanic		non-Hispanic White	
	N	A-SR	N	A-SR	N	A-SR	N	A-SR
Incidence: Males								
00-14	...	...	...	...	...	...	...	...
15-29	...	...	...	...	...	...	...	...
30-49	...	...	...	...	...	...	...	...
50-69	...	...	...	...	...	...	...	...
70-79	...	...	...	...	...	...	...	...
80-Up	...	...	...	...	...	...	...	...
Total	...	...	...	...	...	...	...	...
A-AR	...	...	...	...	...	...	...	...
Incidence: Females								
00-14	...	...	...	...	...	...	...	...
15-29	1	.s.	1	.s.	10	.s.	20	2.9
30-49	26	10.4	7	.s.	95	16.1	129	10.7
50-69	30	22.1	1	.s.	58	28.1	69	8.5
70-79	11	.s.	3	.s.	6	.s.	25	8.0
80-Up	3	.s.	.s.	.s.	2	.s.	18	7.9
Total	71	...	13	...	171	...	261	...
A-AR	...	10.1	...	.s.	...	11.7	...	6.1
Mortality: Males								
00-14	...	...	...	...	...	...	...	...
15-29	...	...	...	...	...	...	...	...
30-49	...	...	...	...	...	...	...	...
50-69	...	...	...	...	...	...	...	...
70-79	...	...	...	...	...	...	...	...
80-Up	...	...	...	...	...	...	...	...
Total	...	...	...	...	...	...	...	...
A-AR	...	...	...	...	...	...	...	...
Mortality: Females								
00-14	...	...	...	...	...	...	...	...
15-29	...	...	...	...	1	.s.	6	.s.
30-49	9	.s.	2	.s.	26	4.4	24	2.0
50-69	13	.s.	2	.s.	12	.s.	31	3.8
70-79	5	.s.	...	...	4	.s.	15	4.8
80-Up	5	.s.	.s.	.s.	2	.s.	12	.s.
Total	32	...	5	...	45	...	88	...
A-AR	...	5.0	...	.s.	...	3.4	...	1.9

- N = number of cases or deaths, as appropriate

- Ethnic categories are mutually exclusive, and Hispanics are not included in any other ethnic group.

- A-SR = age-specific rate per 100,000 people, for incidence or mortality, as appropriate.

- A-AR = age-adjusted rate per 100,000 people, for incidence or mortality, as appropriate.

* Rates for 'Other/Unknown' group are not estimated because no population estimates exist.

Sources of data and methods for calculations and suppressed data (.s.,.&.) are given on pages 10-14 of this report.

Note: The age-adjusted are calculated using the Year 2000 Population Standard (see page 14).

Table 13
CANCER OF THE COLON
1999-2003

SAN DIEGO / IMPERIAL ORGANIZATION FOR CANCER CONTROL
San Diego County, Calendar Years: 1999-2003

Number of Cases by Year and Gender				Reporting Source			
Year	Male	Female	Total	Source	N	%	
1999	419	423	842	Hospital	4055	96.5	
2000	414	426	840	Physician	63	1.5	
2001	461	424	885	Death Cert.	40	1.0	
2002	405	396	801	Other	45	1.1	
2003	433	402	835				
Total	2132	2071	4203				

Stage at Diagnosis				Histology			
Stage	N		%	Cell Type	N	%	
Local	1595		37.9	Adenoca in Adenomatous Polyp	254	6.0	
Regional:				Adenoca in Familial Polyposis	5	0.1	
Direct Extension Only	577		13.7	Adenocarcinoma	2785	66.3	
Lymph Nodes Only	457		10.9	Mucinous Adenocarcinoma	431	10.3	
Extension & Nodes	492		11.7	Papillary Adenocarcinoma	334	7.9	
Regional NOS	1		0.0	Other	394	9.4	
Distant	837		19.9				
Unstageable	244		5.8				

Race/Ethnicity: Five-year case counts and average annual age-adjusted incidence rates by gender						
Ethnicity	Males		Females		Both Sexes	
	N	AAIR	N	AAIR	N	AAIR
Asian/PacIsl	119	26.7	118	18.9	237	22.1
Black	109	58.1	105	45.6	214	51.5
Hispanic	219	32.2	201	21.3	420	25.7
White	1661	39.8	1625	29.7	3286	34.2

Incidence and Mortality: Five-year case counts and average annual age-specific and age-adjusted rates by gender

Age	Incidence				Mortality			
	Male		Female		Male		Female	
	N	A-SR	N	A-SR	N	A-SR	N	A-SR
00-14	...	...	...	...	...	...	...	...
15-29	8	.s.	8	.s.	1	.s.	1	.s.
30-49	168	7.4	132	6.0	45	2.0	41	1.9
50-69	730	65.0	588	47.9	293	26.1	231	18.8
70-79	707	221.9	624	149.6	276	86.6	248	59.5
80-Up	519	317.6	719	265.6	268	164.0	373	137.8
Total	2132		2071		883		894	
A-AR		38.6		28.5		16.4		12.2

- N = number of cases or deaths, % = percentage of five-year total of cases
 - Histologic categories are site specific, and change from one cancer site to another.
 - Ethnic categories are mutually exclusive, and Hispanics are not included in any other ethnic group.
 - AAIR = age-adjusted incidence rate per 100,000 people.
 - A-SR = age-specific rate per 100,000 people, for incidence or mortality, as appropriate.
 - A-AR = age-adjusted rate per 100,000 people, for incidence or mortality, as appropriate.
 Sources of data and methods for calculations and suppressed data (.s.,.&) are given on pages 10-14 of this report.

Note: The age-adjusted rates are calculated using the Year 2000 Population Standard (see page 14).

Table 13
CANCER OF THE COLON
1999-2003

SAN DIEGO / IMPERIAL ORGANIZATION FOR CANCER CONTROL
San Diego County, Calendar Years: 1999-2003

Race/Ethnicity: Five-year case counts and average annual age-specific incidence rates by gender								
	Asian / Pacific Islander		non-Hispanic Black		Hispanic		non-Hispanic White	
	N	A-SR	N	A-SR	N	A-SR	N	A-SR
Incidence: Males								
00-14	...	...	...	...	...	...	...	...
15-29	2	.s.	...	...	2	.s.	4	.s.
30-49	11	.s.	15	10.7	39	6.9	98	7.5
50-69	55	54.4	54	111.1	80	49.3	527	66.4
70-79	39	156.2	26	302.7	72	200.9	567	230.5
80-Up	12	.s.	14	.s.	26	215.4	465	335.1
Total	119		109		219		1661	
A-AR		26.7		58.1		32.2		39.8
Incidence: Females								
00-14	...	...	...	...	...	...	...	...
15-29	...	...	...	...	3	.s.	5	.s.
30-49	19	7.6	11	.s.	24	4.1	76	6.3
50-69	50	36.9	41	80.0	84	40.7	404	49.5
70-79	34	95.1	26	218.1	50	97.8	510	162.4
80-Up	15	122.8	27	442.8	40	188.9	630	275.3
Total	118		105		201		1625	
A-AR		18.9		45.6		21.3		29.7
Mortality: Males								
00-14	...	...	...	...	...	...	...	...
15-29	...	...	...	...	1	.s.	...	...
30-49	6	.s.	5	.s.	10	.s.	23	1.8
50-69	27	26.7	18	37.0	34	21.0	212	26.7
70-79	17	68.1	12	.s.	24	67.0	221	89.8
80-Up	7	.s.	7	.s.	21	174.0	233	167.9
Total	57		42		90		689	
A-AR		13.7		24.2		15.3		16.6
Mortality: Females								
00-14	...	...	...	...	...	...	...	...
15-29	...	...	...	...	...	...	1	.s.
30-49	3	.s.	5	.s.	10	.s.	22	1.8
50-69	24	17.7	14	.s.	27	13.1	165	20.2
70-79	9	.s.	19	159.4	23	45.0	197	62.7
80-Up	5	.s.	13	.s.	26	122.8	329	143.8
Total	41		51		86		714	
A-AR		6.9		22.9		9.9		12.8

- N = number of cases or deaths, as appropriate

- Ethnic categories are mutually exclusive, and Hispanics are not included in any other ethnic group.

- A-SR = age-specific rate per 100,000 people, for incidence or mortality, as appropriate.

- A-AR = age-adjusted rate per 100,000 people, for incidence or mortality, as appropriate.

* Rates for 'Other/Unknown' group are not estimated because no population estimates exist.

Sources of data and methods for calculations and suppressed data (.s.,.&.) are given on pages 10-14 of this report.

Note: The age-adjusted are calculated using the Year 2000 Population Standard (see page 14).

Table 14
CANCER OF THE CORPUS AND UTERUS NOS
1999-2003

SAN DIEGO / IMPERIAL ORGANIZATION FOR CANCER CONTROL
San Diego County, Calendar Years: 1999-2003

Number of Cases by Year and Gender				Reporting Source			
Year	Male	Female	Total	Source	N	%	
1999	...	300	300	Hospital	1404	97.3	
2000	...	248	248	Physician	19	1.3	
2001	...	328	328	Death Cert.	9	0.6	
2002	...	282	282	Other	11	0.8	
2003	...	285	285				
Total	...	1443	1443				

Stage at Diagnosis				Histology			
Stage	N	%		Cell Type	N	%	
Local	993	68.8		Adenoacanthoma	11	0.8	
Regional:				Adenocarcinoma	277	19.2	
Direct Extension Only	170	11.8		Adenosquamous Carcinoma	17	1.2	
Lymph Nodes Only	31	2.1		Leiomyosarcoma	32	2.2	
Extension & Nodes	41	2.8		Mucinous Adenocarcinoma	29	2.0	
Regional NOS	...	...		Mullerian Mixed Tumor	34	2.4	
Distant	141	9.8		Papillary Adenocarcinoma	14	1.0	
Unstageable	67	4.6		Other	1029	71.3	

Race/Ethnicity: Five-year case counts and average annual age-adjusted incidence rates by gender						
Ethnicity	Males		Females		Both Sexes	
	N	AAIR	N	AAIR	N	AAIR
Asian/PacIsl	111	15.4	111	8.8
Black	46	17.8	46	9.8
Hispanic	168	14.8	168	8.4
White	1102	22.6	1102	12.0

Incidence and Mortality: Five-year case counts and average annual age-specific and age-adjusted rates by gender

Age	Incidence				Mortality			
	Male		Female		Male		Female	
	N	A-SR	N	A-SR	N	A-SR	N	A-SR
00-14
15-29	8	.s.	...	...	...	...
30-49	236	10.7	...	...	24	1.1
50-69	658	53.6	...	...	82	6.7
70-79	329	78.9	...	...	77	18.5
80-Up	212	78.3	...	...	91	33.6
Total	1443	...	...	...	274	...
A-AR	20.6	...	...	...	3.8

- N = number of cases or deaths, % = percentage of five-year total of cases
- Histologic categories are site specific, and change from one cancer site to another.
- Ethnic categories are mutually exclusive, and Hispanics are not included in any other ethnic group.
- AAIR = age-adjusted incidence rate per 100,000 people.
- A-SR = age-specific rate per 100,000 people, for incidence or mortality, as appropriate.
- A-AR = age-adjusted rate per 100,000 people, for incidence or mortality, as appropriate.
Sources of data and methods for calculations and suppressed data (.s.,.&.) are given on pages 10-14 of this report.

Note: The age-adjusted rates are calculated using the Year 2000 Population Standard (see page 14).

Table 14
CANCER OF THE CORPUS AND UTERUS NOS
1999-2003

SAN DIEGO / IMPERIAL ORGANIZATION FOR CANCER CONTROL
San Diego County, Calendar Years: 1999-2003

Race/Ethnicity: Five-year case counts and average annual age-specific incidence rates by gender								
	Asian / Pacific Islander		non-Hispanic Black		Hispanic		non-Hispanic White	
	N	A-SR	N	A-SR	N	A-SR	N	A-SR
Incidence: Males								
00-14	...	...	...	...	...	...	...	...
15-29	...	...	...	...	...	...	...	...
30-49	...	...	...	...	...	...	...	...
50-69	...	...	...	...	...	...	...	...
70-79	...	...	...	...	...	...	...	...
80-Up	...	...	...	...	...	...	...	...
Total	...	...	...	...	...	...	...	...
A-AR	...	...	...	...	...	...	...	...
Incidence: Females								
00-14	...	...	...	...	...	...	...	...
15-29	...	...	1	.s.	4	.s.	2	.s.
30-49	34	13.5	8	.s.	49	8.3	143	11.9
50-69	59	43.5	22	42.9	75	36.4	495	60.7
70-79	15	42.0	10	.s.	32	62.6	270	86.0
80-Up	3	.s.	5	.s.	8	.s.	192	83.9
Total	111	...	46	...	168	...	1102	...
A-AR	...	15.4	...	17.8	...	14.8	...	22.6
Mortality: Males								
00-14	...	...	...	...	...	...	...	...
15-29	...	...	...	...	...	...	...	...
30-49	...	...	...	...	...	...	...	...
50-69	...	...	...	...	...	...	...	...
70-79	...	...	...	...	...	...	...	...
80-Up	...	...	...	...	...	...	...	...
Total	...	...	...	...	...	...	...	...
A-AR	...	...	...	...	...	...	...	...
Mortality: Females								
00-14	...	...	...	...	...	...	...	...
15-29	...	...	...	...	...	...	...	...
30-49	4	.s.	1	.s.	5	.s.	14	.s.
50-69	7	.s.	3	.s.	9	.s.	63	7.7
70-79	3	.s.	2	.s.	8	.s.	63	20.1
80-Up	...	...	.s.	.s.	8	.s.	79	34.5
Total	14	...	10	...	30	...	219	...
A-AR	...	.s.	...	.s.	...	3.3	...	4.1

- N = number of cases or deaths, as appropriate

- Ethnic categories are mutually exclusive, and Hispanics are not included in any other ethnic group.

- A-SR = age-specific rate per 100,000 people, for incidence or mortality, as appropriate.

- A-AR = age-adjusted rate per 100,000 people, for incidence or mortality, as appropriate.

* Rates for 'Other/Unknown' group are not estimated because no population estimates exist.

Sources of data and methods for calculations and suppressed data (.s.,.&.) are given on pages 10-14 of this report.

Note: The age-adjusted are calculated using the Year 2000 Population Standard (see page 14).

**Table 15
CANCER OF THE ESOPHAGUS
1999-2003**

**SAN DIEGO / IMPERIAL ORGANIZATION FOR CANCER CONTROL
San Diego County, Calendar Years: 1999-2003**

Number of Cases by Year and Gender				Reporting Source			
Year	Male	Female	Total	Source	N	%	
1999	78	31	109	Hospital	549	97.3	
2000	76	32	108	Physician	8	1.4	
2001	101	25	126	Death Cert.	3	0.5	
2002	81	35	116	Other	4	0.7	
2003	84	21	105				
Total	420	144	564				

Stage at Diagnosis				Histology			
Stage	N	%		Cell Type	N	%	
Local	144	25.5		Adenocarcinoma	274	48.6	
Regional:				Squamous Cell Carcinoma	194	34.4	
Direct Extension Only	60	10.6		Other	96	17.0	
Lymph Nodes Only	32	5.7					
Extension & Nodes	77	13.7					
Regional NOS	1	0.2					
Distant	185	32.8					
Unstageable	65	11.5					

Race/Ethnicity: Five-year case counts and average annual age-adjusted incidence rates by gender						
Ethnicity	Males		Females		Both Sexes	
	N	AAIR	N	AAIR	N	AAIR
Asian/PacIsl	19	3.6	5	.s.	24	2.1
Black	23	12.5	7	.s.	30	6.7
Hispanic	34	5.0	15	1.6	49	3.0
White	343	8.2	116	2.2	459	4.9

Incidence and Mortality: Five-year case counts and average annual age-specific and age-adjusted rates by gender

Age	Incidence				Mortality			
	Male		Female		Male		Female	
	N	A-SR	N	A-SR	N	A-SR	N	A-SR
00-14	...	...	...	...	...	...	...	...
15-29	...	...	1	.s.	...	...	...	...
30-49	30	1.3	5	.s.	24	1.1	2	.s.
50-69	188	16.8	56	4.6	147	13.1	37	3.0
70-79	136	42.7	49	11.7	133	41.7	41	9.8
80-Up	66	40.4	33	12.2	74	45.3	48	17.7
Total	420		144		378		128	
A-AR		7.5		2.0		6.8		1.8

- N = number of cases or deaths, % = percentage of five-year total of cases
 - Histologic categories are site specific, and change from one cancer site to another.
 - Ethnic categories are mutually exclusive, and Hispanics are not included in any other ethnic group.
 - AAIR = age-adjusted incidence rate per 100,000 people.
 - A-SR = age-specific rate per 100,000 people, for incidence or mortality, as appropriate.
 - A-AR = age-adjusted rate per 100,000 people, for incidence or mortality, as appropriate.
 Sources of data and methods for calculations and suppressed data (.s.,.&.) are given on pages 10-14 of this report.

Note: The age-adjusted rates are calculated using the Year 2000 Population Standard (see page 14).

Table 15
CANCER OF THE ESOPHAGUS
1999-2003

SAN DIEGO / IMPERIAL ORGANIZATION FOR CANCER CONTROL
San Diego County, Calendar Years: 1999-2003

Race/Ethnicity: Five-year case counts and average annual age-specific incidence rates by gender								
	Asian / Pacific Islander		non-Hispanic Black		Hispanic		non-Hispanic White	
	N	A-SR	N	A-SR	N	A-SR	N	A-SR
Incidence: Males								
00-14	...	...	...	...	...	...	...	...
15-29	...	...	...	...	...	...	...	...
30-49	1	.s.	1	.s.	1	.s.	27	2.1
50-69	16	15.8	15	30.9	20	12.3	136	17.1
70-79	2	.s.	.s.	.s.	10	.s.	120	48.8
80-Up	...	...	.s.	.s.	3	.s.	60	43.2
Total	19		23		34		343	
A-AR		3.6		12.5		5.0		8.2
Incidence: Females								
00-14	...	...	...	...	...	...	...	...
15-29	...	...	...	...	...	...	1	.s.
30-49	...	...	1	.s.	2	.s.	2	.s.
50-69	2	.s.	4	.s.	5	.s.	44	5.4
70-79	1	.s.	2	.s.	6	.s.	40	12.7
80-Up	2	.s.	...	...	2	.s.	29	12.7
Total	5		7		15		116	
A-AR		.s.		.s.		1.6		2.2
Mortality: Males								
00-14	...	...	...	...	...	...	...	...
15-29	...	...	...	...	...	...	...	...
30-49	1	.s.	...	...	3	.s.	20	1.5
50-69	10	.s.	13	.s.	15	9.2	108	13.6
70-79	2	.s.	7	.s.	10	.s.	112	45.5
80-Up	...	...	.s.	.s.	6	.s.	67	48.3
Total	13		21		34		307	
A-AR		.s.		11.3		5.3		7.3
Mortality: Females								
00-14	...	...	...	...	...	...	...	...
15-29	...	...	...	...	...	...	...	...
30-49	1	.s.	1	.s.	...	...	...	...
50-69	2	.s.	4	.s.	1	.s.	30	3.7
70-79	1	.s.	2	.s.	4	.s.	34	10.8
80-Up	2	.s.	...	...	3	.s.	43	18.8
Total	6		7		8		107	
A-AR		.s.		.s.		.s.		1.9

- N = number of cases or deaths, as appropriate

- Ethnic categories are mutually exclusive, and Hispanics are not included in any other ethnic group.

- A-SR = age-specific rate per 100,000 people, for incidence or mortality, as appropriate.

- A-AR = age-adjusted rate per 100,000 people, for incidence or mortality, as appropriate.

* Rates for 'Other/Unknown' group are not estimated because no population estimates exist.

Sources of data and methods for calculations and suppressed data (.s.,.&.) are given on pages 10-14 of this report.

Note: The age-adjusted are calculated using the Year 2000 Population Standard (see page 14).

Table 16
HODGKIN'S DISEASE
1999-2003

SAN DIEGO / IMPERIAL ORGANIZATION FOR CANCER CONTROL
San Diego County, Calendar Years: 1999-2003

Number of Cases by Year and Gender				Reporting Source			
Year	Male	Female	Total	Source	N	%	
1999	38	22	60	Hospital	364	98.1	
2000	30	28	58	Physician	4	1.1	
2001	49	39	88	Death Cert.	2	0.5	
2002	45	36	81	Other	1	0.3	
2003	46	38	84				
Total	208	163	371				

Stage at Diagnosis				Histology			
Stage	N	%		Cell Type	N	%	
Local	52	14.0		Mixed Cellularity	6	1.6	
Regional:				Nodular Sclerosing	365	98.4	
Direct Extension Only	...	...		Other	...	...
Lymph Nodes Only	...	...			
Extension & Nodes	...	...			
Regional NOS	160	43.1					
Distant	138	37.2					
Unstageable	21	5.7					

Race/Ethnicity: Five-year case counts and average annual age-adjusted incidence rates by gender						
Ethnicity	Males		Females		Both Sexes	
	N	AAIR	N	AAIR	N	AAIR
Asian/PacIsl	2	.s.	11	.s.	13	.s.
Black	14	.s.	6	.s.	20	2.5
Hispanic	51	3.5	28	1.3	79	2.2
White	138	3.3	116	2.9	254	3.1

Incidence and Mortality: Five-year case counts and average annual age-specific and age-adjusted rates by gender

Age	Incidence				Mortality			
	Male		Female		Male		Female	
	N	A-SR	N	A-SR	N	A-SR	N	A-SR
00-14	15	1.0	8	.s.	1	.s.	...	...
15-29	55	3.0	60	3.8	1	.s.	2	.s.
30-49	82	3.6	50	2.3	6	.s.	8	.s.
50-69	29	2.6	20	1.6	8	.s.	5	.s.
70-79	17	5.3	16	3.8	4	.s.	8	.s.
80-Up	10	.s.	9	.s.	7	.s.	6	.s.
Total	208		163		27		29	
A-AR		2.9		2.2		0.5		0.4

- N = number of cases or deaths, % = percentage of five-year total of cases
- Histologic categories are site specific, and change from one cancer site to another.
- Ethnic categories are mutually exclusive, and Hispanics are not included in any other ethnic group.
- AAIR = age-adjusted incidence rate per 100,000 people.
- A-SR = age-specific rate per 100,000 people, for incidence or mortality, as appropriate.
- A-AR = age-adjusted rate per 100,000 people, for incidence or mortality, as appropriate.
Sources of data and methods for calculations and suppressed data (.s.,.&.) are given on pages 10-14 of this report.

Note: The age-adjusted rates are calculated using the Year 2000 Population Standard (see page 14).

Table 16
HODGKIN'S DISEASE
1999-2003

SAN DIEGO / IMPERIAL ORGANIZATION FOR CANCER CONTROL
San Diego County, Calendar Years: 1999-2003

Race/Ethnicity: Five-year case counts and average annual age-specific incidence rates by gender								
	Asian / Pacific Islander		non-Hispanic Black		Hispanic		non-Hispanic White	
	N	A-SR	N	A-SR	N	A-SR	N	A-SR
Incidence: Males								
00-14	...	...	...	...	6	.s.	9	.s.
15-29	...	...	3	.s.	16	2.4	35	4.2
30-49	...	...	8	.s.	17	3.0	55	4.2
50-69	2	.s.	2	.s.	6	.s.	19	2.4
70-79	...	...	.s.	.s.	5	.s.	11	.s.
80-Up	...	...	...	...	1	.s.	9	.s.
Total	2		14		51		138	
A-AR		.s.		.s.		3.5		3.3
Incidence: Females								
00-14	1	.s.	1	.s.	3	.s.	2	.s.
15-29	7	.s.	1	.s.	14	.s.	37	5.4
30-49	...	...	4	.s.	8	.s.	38	3.2
50-69	1	.s.	...	...	2	.s.	17	2.1
70-79	1	.s.	...	...	1	.s.	14	.s.
80-Up	1	.s.	...	...	...	...	8	.s.
Total	11		6		28		116	
A-AR		.s.		.s.		1.3		2.9
Mortality: Males								
00-14	...	...	...	...	1	.s.	...	...
15-29	...	...	...	...	1	.s.	...	...
30-49	...	...	1	.s.	...	...	5	.s.
50-69	...	...	1	.s.	...	...	7	.s.
70-79	...	...	...	...	2	.s.	2	.s.
80-Up	...	...	...	...	1	.s.	6	.s.
Total	...		2		5		20	
A-AR		...		.s.		.s.		0.5
Mortality: Females								
00-14	...	...	...	...	...	...	...	...
15-29	1	.s.	...	...	...	...	1	.s.
30-49	...	...	...	...	1	.s.	7	.s.
50-69	1	.s.	...	...	1	.s.	3	.s.
70-79	1	.s.	...	...	1	.s.	6	.s.
80-Up	1	.s.	.s.	.s.	...	...	4	.s.
Total	4		1		3		21	
A-AR		.s.		.s.		.s.		0.4

- N = number of cases or deaths, as appropriate

- Ethnic categories are mutually exclusive, and Hispanics are not included in any other ethnic group.

- A-SR = age-specific rate per 100,000 people, for incidence or mortality, as appropriate.

- A-AR = age-adjusted rate per 100,000 people, for incidence or mortality, as appropriate.

* Rates for 'Other/Unknown' group are not estimated because no population estimates exist.

Sources of data and methods for calculations and suppressed data (.s.,.&.) are given on pages 10-14 of this report.

Note: The age-adjusted are calculated using the Year 2000 Population Standard (see page 14).

Table 17
KAPOSI'S SARCOMA
1999-2003

SAN DIEGO / IMPERIAL ORGANIZATION FOR CANCER CONTROL
San Diego County, Calendar Years: 1999-2003

Number of Cases by Year and Gender				Reporting Source			
Year	Male	Female	Total	Source	N	%	
1999	36	3	39	Hospital	151	87.3	
2000	27	3	30	Physician	13	7.5	
2001	31	2	33	Death Cert.	...	...
2002	34	2	36	Other	9	5.2	
2003	33	2	35				
Total	161	12	173				

Stage at Diagnosis				Histology				
Stage	N	%		Cell Type	N	%		
Local	70	40.5		Kaposi's Sarcoma is itself a cell type, and has no subtypes.				
Regional:								
Direct Extension Only	15	8.7						
Lymph Nodes Only	5	2.9						
Extension & Nodes	6	3.5						
Regional NOS	...	...				
Distant	56	32.4						
Unstageable	21	12.1						

Race/Ethnicity: Five-year case counts and average annual age-adjusted incidence rates by gender						
Ethnicity	Males		Females		Both Sexes	
	N	AAIR	N	AAIR	N	AAIR
Asian/PacIsl	6	.s.	...	...	6	.s.
Black	19	5.1	1	.s.	20	2.8
Hispanic	43	3.2	3	.s.	46	1.6
White	81	1.9	8	.s.	89	1.0

Incidence and Mortality: Five-year case counts and average annual age-specific and age-adjusted rates by gender

Age	Incidence				Mortality			
	Male		Female		Male		Female	
	N	A-SR	N	A-SR	N	A-SR	N	A-SR
00-14	...	...	...	...	...	...	...	...
15-29	11	.s.	...	...	...	...	...	...
30-49	113	5.0	4	.s.	...	...	...	...
50-69	23	2.0	1	.s.	...	...	...	...
70-79	7	.s.	3	.s.	...	...	...	...
80-Up	7	.s.	4	.s.	...	...	...	...
Total	161		12		...		...
A-AR		2.3		.s.		...		...

- N = number of cases or deaths, % = percentage of five-year total of cases
- Histologic categories are site specific, and change from one cancer site to another.
- Ethnic categories are mutually exclusive, and Hispanics are not included in any other ethnic group.
- AAIR = age-adjusted incidence rate per 100,000 people.
- A-SR = age-specific rate per 100,000 people, for incidence or mortality, as appropriate.
- A-AR = age-adjusted rate per 100,000 people, for incidence or mortality, as appropriate.
Sources of data and methods for calculations and suppressed data (.s.,...&.) are given on pages 10-14 of this report.

Note: The age-adjusted rates are calculated using the Year 2000 Population Standard (see page 14).

Table 17
KAPOSI'S SARCOMA
1999-2003

SAN DIEGO / IMPERIAL ORGANIZATION FOR CANCER CONTROL
San Diego County, Calendar Years: 1999-2003

Race/Ethnicity: Five-year case counts and average annual age-specific incidence rates by gender								
	Asian / Pacific Islander		non-Hispanic Black		Hispanic		non-Hispanic White	
	N	A-SR	N	A-SR	N	A-SR	N	A-SR
Incidence: Males								
00-14
15-29	2	.s.	3	.s.	5	.s.
30-49	6	.s.	11	.s.	32	5.7	57	4.4
50-69	6	.s.	4	.s.	12	.s.
70-79	3	.s.	3	.s.
80-Up	1	.s.	4	.s.
Total	6		19		43		81	
A-AR		.s.		5.1		3.2		1.9
Incidence: Females								
00-14
15-29
30-49	1	.s.	1	.s.	2	.s.
50-69	1	.s.
70-79	1	.s.	2	.s.
80-Up	1	.s.	3	.s.
Total	...		1		3		8	
A-AR	s.		.s.		.s.
Mortality: Males								
00-14
15-29
30-49
50-69
70-79
80-Up
Total	
A-AR	
Mortality: Females								
00-14
15-29
30-49
50-69
70-79
80-Up
Total	
A-AR	

- N = number of cases or deaths, as appropriate

- Ethnic categories are mutually exclusive, and Hispanics are not included in any other ethnic group.

- A-SR = age-specific rate per 100,000 people, for incidence or mortality, as appropriate.

- A-AR = age-adjusted rate per 100,000 people, for incidence or mortality, as appropriate.

* Rates for 'Other/Unknown' group are not estimated because no population estimates exist.

Sources of data and methods for calculations and suppressed data (.s.,.&.) are given on pages 10-14 of this report.

Note: The age-adjusted are calculated using the Year 2000 Population Standard (see page 14).

Table 18
CANCER OF THE KIDNEY AND RENAL PELVIS
1999-2003

SAN DIEGO / IMPERIAL ORGANIZATION FOR CANCER CONTROL
San Diego County, Calendar Years: 1999-2003

Number of Cases by Year and Gender				Reporting Source			
Year	Male	Female	Total	Source	N	%	
1999	172	102	274	Hospital	1451	97.4	
2000	190	101	291	Physician	20	1.3	
2001	171	108	279	Death Cert.	9	0.6	
2002	205	101	306	Other	10	0.7	
2003	227	113	340				
Total	965	525	1490				

Stage at Diagnosis				Histology			
Stage	N	%		Cell Type	N	%	
Local	865	58.1		Adenocarcinoma	58	3.9	
Regional:				Clear Cell Adenocarcinoma	563	37.8	
Direct Extension Only	240	16.1		Granular Cell	45	3.0	
Lymph Nodes Only	16	1.1		Papillary Transitional Cell Ca	54	3.6	
Extension & Nodes	23	1.5		Renal Cell Carcinoma	514	34.5	
Regional NOS	...	...		Transitional Cell Ca	59	4.0	
Distant	281	18.9		Wilms Tumor	24	1.6	
Unstageable	65	4.4		Other	173	11.6	

Race/Ethnicity: Five-year case counts and average annual age-adjusted incidence rates by gender						
Ethnicity	Males		Females		Both Sexes	
	N	AAIR	N	AAIR	N	AAIR
Asian/PacIsl	40	9.1	23	3.7	63	5.9
Black	49	18.1	19	7.7	68	13.0
Hispanic	162	20.0	103	9.6	265	13.9
White	706	16.8	373	7.6	1079	11.9

Incidence and Mortality: Five-year case counts and average annual age-specific and age-adjusted rates by gender

Age	Incidence				Mortality			
	Male		Female		Male		Female	
	N	A-SR	N	A-SR	N	A-SR	N	A-SR
00-14	15	1.0	13	.s.	1	.s.	3	.s.
15-29	11	.s.	8	.s.	...	...	...	...
30-49	137	6.1	67	3.0	22	1.0	8	.s.
50-69	432	38.5	198	16.1	113	10.1	53	4.3
70-79	254	79.7	147	35.2	86	27.0	55	13.2
80-Up	116	71.0	92	34.0	72	44.1	56	20.7
Total	965		525		294		175	
A-AR		16.6		7.4		5.4		2.4

- N = number of cases or deaths, % = percentage of five-year total of cases
 - Histologic categories are site specific, and change from one cancer site to another.
 - Ethnic categories are mutually exclusive, and Hispanics are not included in any other ethnic group.
 - AAIR = age-adjusted incidence rate per 100,000 people.
 - A-SR = age-specific rate per 100,000 people, for incidence or mortality, as appropriate.
 - A-AR = age-adjusted rate per 100,000 people, for incidence or mortality, as appropriate.
 Sources of data and methods for calculations and suppressed data (.s.,.&.) are given on pages 10-14 of this report.

Note: The age-adjusted rates are calculated using the Year 2000 Population Standard (see page 14).

Table 18
CANCER OF THE KIDNEY AND RENAL PELVIS
1999-2003

SAN DIEGO / IMPERIAL ORGANIZATION FOR CANCER CONTROL
San Diego County, Calendar Years: 1999-2003

Race/Ethnicity: Five-year case counts and average annual age-specific incidence rates by gender									
		Asian / Pacific Islander		non-Hispanic Black		Hispanic		non-Hispanic White	
		N	A-SR	N	A-SR	N	A-SR	N	A-SR
Incidence: Males									
00-14	1	.s.	1	.s.	6	.s.	7	.s.	
15-29	...	...	2	.s.	5	.s.	4	.s.
30-49	4	.s.	13	.s.	31	5.5	86	6.6	
50-69	17	16.8	27	55.6	71	43.8	313	39.5	
70-79	13	.s.	6	.s.	40	111.6	194	78.9	
80-Up	5	.s.	...	...	9	.s.	102	73.5
Total	40		49		162		706		
A-AR		9.1		18.1		20.0		16.8	
Incidence: Females									
00-14	1	.s.	...	...	5	.s.	6	.s.
15-29	1	.s.	...	...	1	.s.	6	.s.
30-49	5	.s.	3	.s.	19	3.2	39	3.2	
50-69	9	.s.	9	.s.	44	21.3	135	16.6	
70-79	4	.s.	4	.s.	24	47.0	113	36.0	
80-Up	3	.s.	.s.	.s.	10	.s.	74	32.3	
Total	23		19		103		373		
A-AR		3.7		7.7		9.6		7.6	
Mortality: Males									
00-14	...	...	...	...	1	.s.	...	...
15-29	...	...	...	...	...	...	...	...
30-49	2	.s.	4	.s.	6	.s.	10	.s.	
50-69	7	.s.	14	.s.	19	11.7	73	9.2	
70-79	6	.s.	...	...	20	55.8	60	24.4
80-Up	.s.	.s.	.s.	.s.	4	.s.	66	47.6	
Total	16		19		50		209		
A-AR		3.5		7.7		7.2		5.1	
Mortality: Females									
00-14	...	...	...	...	2	.s.	1	.s.
15-29	...	...	...	...	...	...	...	...
30-49	1	.s.	...	...	3	.s.	3	.s.
50-69	1	.s.	2	.s.	10	.s.	40	4.9	
70-79	1	.s.	...	...	11	.s.	43	13.7
80-Up	1	.s.	.s.	.s.	7	.s.	45	19.7	
Total	4		4		33		132		
A-AR		.s.		.s.		3.5		2.5	

- N = number of cases or deaths, as appropriate

- Ethnic categories are mutually exclusive, and Hispanics are not included in any other ethnic group.

- A-SR = age-specific rate per 100,000 people, for incidence or mortality, as appropriate.

- A-AR = age-adjusted rate per 100,000 people, for incidence or mortality, as appropriate.

* Rates for 'Other/Unknown' group are not estimated because no population estimates exist.

Sources of data and methods for calculations and suppressed data (.s.,.&.) are given on pages 10-14 of this report.

Note: The age-adjusted are calculated using the Year 2000 Population Standard (see page 14).

Table 19
CANCER OF THE LARYNX
1999-2003

SAN DIEGO / IMPERIAL ORGANIZATION FOR CANCER CONTROL
San Diego County, Calendar Years: 1999-2003

Number of Cases by Year and Gender				Reporting Source			
Year	Male	Female	Total	Source	N	%	
1999	51	22	73	Hospital	399	97.8	
2000	71	21	92	Physician	5	1.2	
2001	64	20	84	Death Cert.	4	1.0	
2002	61	13	74	Other	...	...
2003	74	11	85				
Total	321	87	408				

Stage at Diagnosis				Histology			
Stage	N	%		Cell Type	N	%	
Local	259	63.5		Squamous Cell Carcinoma	378	92.6	
Regional:				Other	30	7.4	
Direct Extension Only	35	8.6					
Lymph Nodes Only	29	7.1					
Extension & Nodes	37	9.1					
Regional NOS	...	...			
Distant	33	8.1					
Unstageable	15	3.7					

Race/Ethnicity: Five-year case counts and average annual age-adjusted incidence rates by gender						
Ethnicity	Males		Females		Both Sexes	
	N	AAIR	N	AAIR	N	AAIR
Asian/PacIsl	13	.s.	1	.s.	14	.s.
Black	22	9.4	4	.s.	26	5.2
Hispanic	37	6.0	7	.s.	44	2.8
White	249	5.9	73	1.5	322	3.5

Incidence and Mortality: Five-year case counts and average annual age-specific and age-adjusted rates by gender

Age	Incidence				Mortality			
	Male		Female		Male		Female	
	N	A-SR	N	A-SR	N	A-SR	N	A-SR
00-14	...	...	...	...	...	...	...	...
15-29	...	...	...	...	...	...	...	...
30-49	24	1.1	9	.s.	1	.s.	1	.s.
50-69	145	12.9	35	2.9	39	3.5	13	.s.
70-79	99	31.1	28	6.7	35	11.0	14	.s.
80-Up	53	32.4	15	5.5	18	11.0	5	.s.
Total	321		87		93		33	
A-AR		5.7		1.2		1.7		0.5

- N = number of cases or deaths, % = percentage of five-year total of cases
 - Histologic categories are site specific, and change from one cancer site to another.
 - Ethnic categories are mutually exclusive, and Hispanics are not included in any other ethnic group.
 - AAIR = age-adjusted incidence rate per 100,000 people.
 - A-SR = age-specific rate per 100,000 people, for incidence or mortality, as appropriate.
 - A-AR = age-adjusted rate per 100,000 people, for incidence or mortality, as appropriate.
 Sources of data and methods for calculations and suppressed data (.s.,...&.) are given on pages 10-14 of this report.

Note: The age-adjusted rates are calculated using the Year 2000 Population Standard (see page 14).

Table 19
CANCER OF THE LARYNX
1999-2003

SAN DIEGO / IMPERIAL ORGANIZATION FOR CANCER CONTROL
San Diego County, Calendar Years: 1999-2003

Race/Ethnicity: Five-year case counts and average annual age-specific incidence rates by gender								
	Asian / Pacific Islander		non-Hispanic Black		Hispanic		non-Hispanic White	
	N	A-SR	N	A-SR	N	A-SR	N	A-SR
Incidence: Males								
00-14	...	...	...	...	...	...	...	...
15-29	...	...	...	...	...	...	...	...
30-49	1	.s.	4	.s.	3	.s.	16	1.2
50-69	3	.s.	16	32.9	17	10.5	109	13.7
70-79	9	.s.	.s.	.s.	10	.s.	78	31.7
80-Up	...	...	...	...	7	.s.	46	33.2
Total	13		22		37		249	
A-AR		.s.		9.4		6.0		5.9
Incidence: Females								
00-14	...	...	...	...	...	...	...	...
15-29	...	...	...	...	...	...	...	...
30-49	...	...	2	.s.	1	.s.	6	.s.
50-69	...	...	1	.s.	4	.s.	29	3.6
70-79	...	...	1	.s.	1	.s.	26	8.3
80-Up	1	.s.	...	...	1	.s.	12	.s.
Total	1		4		7		73	
A-AR		.s.		.s.		.s.		1.5
Mortality: Males								
00-14	...	...	...	...	...	...	...	...
15-29	...	...	...	...	...	...	...	...
30-49	1	.s.	...	...	...	...	...	...
50-69	...	...	7	.s.	4	.s.	28	3.5
70-79	2	.s.	.s.	.s.	5	.s.	26	10.6
80-Up	...	...	...	...	3	.s.	15	10.8
Total	3		9		12		69	
A-AR		.s.		.s.		.s.		1.7
Mortality: Females								
00-14	...	...	...	...	...	...	...	...
15-29	...	...	...	...	...	...	...	...
30-49	...	...	...	...	...	...	1	.s.
50-69	...	...	2	.s.	2	.s.	9	.s.
70-79	...	...	2	.s.	...	...	11	.s.
80-Up	2	.s.	...	...	...	...	3	.s.
Total	2		4		2		24	
A-AR		.s.		.s.		.s.		0.5

- N = number of cases or deaths, as appropriate

- Ethnic categories are mutually exclusive, and Hispanics are not included in any other ethnic group.

- A-SR = age-specific rate per 100,000 people, for incidence or mortality, as appropriate.

- A-AR = age-adjusted rate per 100,000 people, for incidence or mortality, as appropriate.

* Rates for 'Other/Unknown' group are not estimated because no population estimates exist.

Sources of data and methods for calculations and suppressed data (.s.,.&.) are given on pages 10-14 of this report.

Note: The age-adjusted are calculated using the Year 2000 Population Standard (see page 14).

Table 20
LEUKEMIA
1999-2003

SAN DIEGO / IMPERIAL ORGANIZATION FOR CANCER CONTROL
San Diego County, Calendar Years: 1999-2003

Number of Cases by Year and Gender				Reporting Source			
Year	Male	Female	Total	Source	N	%	
1999	219	120	339	Hospital	1529	89.7	
2000	212	142	354	Physician	104	6.1	
2001	204	131	335	Death Cert.	41	2.4	
2002	186	146	332	Other	31	1.8	
2003	201	144	345				
Total	1022	683	1705				

Stage at Diagnosis				Histology			
Stage	N	%		Cell Type	N	%	
Local	...	...		Acute Lymphocytic	265	15.5	
Regional:				Chronic Lymphocytic	488	28.6	
Direct Extension Only	...	...		Other Lymphocytic	60	3.5	
Lymph Nodes Only	...	...		Acute Myeloid	507	29.7	
Extension & Nodes	...	...		Acute Monocytic	65	3.8	
Regional NOS	...	...		Chronic Myeloid	202	11.8	
Distant	1658	97.2		Other Myeloid/Monocytic	21	1.2	
Unstageable	47	2.8		Other Acute	50	2.9	
				Other	47	2.8	

Race/Ethnicity: Five-year case counts and average annual age-adjusted incidence rates by gender						
Ethnicity	Males		Females		Both Sexes	
	N	AAIR	N	AAIR	N	AAIR
Asian/PacIsl	39	7.1	46	6.7	85	6.9
Black	37	15.4	24	9.2	61	12.2
Hispanic	166	14.3	129	8.4	295	10.8
White	749	18.4	470	9.6	1219	13.5

Incidence and Mortality: Five-year case counts and average annual age-specific and age-adjusted rates by gender

Age	Incidence				Mortality			
	Male		Female		Male		Female	
	N	A-SR	N	A-SR	N	A-SR	N	A-SR
00-14	109	7.0	85	5.8	20	1.3	9	.s.
15-29	55	3.0	33	2.1	26	1.4	18	1.1
30-49	115	5.1	79	3.6	43	1.9	28	1.3
50-69	278	24.8	184	15.0	144	12.8	88	7.2
70-79	280	87.9	158	37.9	204	64.0	114	27.3
80-Up	185	113.2	144	53.2	147	90.0	126	46.5
Total	1022		683		584		383	
A-AR		17.5		9.5		10.4		5.2

- N = number of cases or deaths, % = percentage of five-year total of cases
 - Histologic categories are site specific, and change from one cancer site to another.
 - Ethnic categories are mutually exclusive, and Hispanics are not included in any other ethnic group.
 - AAIR = age-adjusted incidence rate per 100,000 people.
 - A-SR = age-specific rate per 100,000 people, for incidence or mortality, as appropriate.
 - A-AR = age-adjusted rate per 100,000 people, for incidence or mortality, as appropriate.
 Sources of data and methods for calculations and suppressed data (.s.,.&) are given on pages 10-14 of this report.

Note: The age-adjusted rates are calculated using the Year 2000 Population Standard (see page 14).

Table 20
LEUKEMIA
1999-2003

SAN DIEGO / IMPERIAL ORGANIZATION FOR CANCER CONTROL
San Diego County, Calendar Years: 1999-2003

Race/Ethnicity: Five-year case counts and average annual age-specific incidence rates by gender								
	Asian / Pacific Islander		non-Hispanic Black		Hispanic		non-Hispanic White	
	N	A-SR	N	A-SR	N	A-SR	N	A-SR
Incidence: Males								
00-14	7	.s.	5	.s.	50	8.5	41	6.4
15-29	6	.s.	1	.s.	28	4.3	19	2.3
30-49	5	.s.	9	.s.	29	5.2	69	5.3
50-69	15	14.8	13	.s.	28	17.3	213	26.9
70-79	4	.s.	7	.s.	17	47.4	245	99.6
80-Up	.s.	.s.	.s.	.s.	14	.s.	162	116.7
Total	39		37		166		749	
A-AR		7.1		15.4		14.3		18.4
Incidence: Females								
00-14	8	.s.	3	.s.	44	7.8	26	4.3
15-29	4	.s.	1	.s.	14	.s.	14	.s.
30-49	9	.s.	3	.s.	27	4.6	40	3.3
50-69	16	11.8	7	.s.	25	12.1	131	16.1
70-79	7	.s.	5	.s.	8	.s.	135	43.0
80-Up	2	.s.	5	.s.	11	.s.	124	54.2
Total	46		24		129		470	
A-AR		6.7		9.2		8.4		9.6
Mortality: Males								
00-14	1	.s.	1	.s.	14	.s.	4	.s.
15-29	2	.s.	...	...	19	2.9	5	.s.
30-49	6	.s.	4	.s.	12	.s.	21	1.6
50-69	8	.s.	10	.s.	11	.s.	114	14.4
70-79	5	.s.	10	.s.	14	.s.	174	70.7
80-Up	.s.	.s.	.s.	.s.	10	.s.	132	95.1
Total	24		28		80		450	
A-AR		4.7		15.0		8.2		10.9
Mortality: Females								
00-14	1	.s.	1	.s.	7	.s.	...	...
15-29	...	...	1	.s.	13	.s.	4	.s.
30-49	3	.s.	2	.s.	10	.s.	12	.s.
50-69	13	.s.	5	.s.	14	.s.	56	6.9
70-79	7	.s.	6	.s.	7	.s.	94	29.9
80-Up	1	.s.	.s.	.s.	8	.s.	113	49.4
Total	25		19		59		279	
A-AR		3.6		7.9		4.6		5.1

- N = number of cases or deaths, as appropriate

- Ethnic categories are mutually exclusive, and Hispanics are not included in any other ethnic group.

- A-SR = age-specific rate per 100,000 people, for incidence or mortality, as appropriate.

- A-AR = age-adjusted rate per 100,000 people, for incidence or mortality, as appropriate.

* Rates for 'Other/Unknown' group are not estimated because no population estimates exist.

Sources of data and methods for calculations and suppressed data (.s.,.&.) are given on pages 10-14 of this report.

Note: The age-adjusted are calculated using the Year 2000 Population Standard (see page 14).

Table 21
CANCER OF THE LIVER
1999-2003

SAN DIEGO / IMPERIAL ORGANIZATION FOR CANCER CONTROL

San Diego County, Calendar Years: 1999-2003

Number of Cases by Year and Gender				Reporting Source			
Year	Male	Female	Total	Source	N	%	
1999	102	45	147	Hospital	663	88.3	
2000	94	47	141	Physician	53	7.1	
2001	96	41	137	Death Cert.	19	2.5	
2002	97	52	149	Other	16	2.1	
2003	117	60	177				
Total	506	245	751				

Stage at Diagnosis				Histology			
Stage	N	%		Cell Type	N	%	
Local	248	33.0		Cholangiocarcinoma	12	1.6	
Regional:				Hepatoblastoma	6	0.8	
Direct Extension Only	145	19.3		Hepatocellular Ca	602	80.2	
Lymph Nodes Only	5	0.7		Hepatocel Ca & Cholangioca	2	0.3	
Extension & Nodes	9	1.2		Other	129	17.2	
Regional NOS	...	...			
Distant	193	25.7					
Unstageable	151	20.1					

Race/Ethnicity: Five-year case counts and average annual age-adjusted incidence rates by gender						
Ethnicity	Males		Females		Both Sexes	
	N	AAIR	N	AAIR	N	AAIR
Asian/PacIsl	91	20.1	66	10.6	157	14.7
Black	27	11.1	13	.s.	40	8.3
Hispanic	135	16.5	50	5.4	185	10.3
White	250	5.9	115	2.2	365	4.0

Incidence and Mortality: Five-year case counts and average annual age-specific and age-adjusted rates by gender

Age	Incidence				Mortality			
	Male		Female		Male		Female	
	N	A-SR	N	A-SR	N	A-SR	N	A-SR
00-14	8	.s.	1	.s.	1	.s.	1	.s.
15-29	2	.s.	...	...	1	.s.	...	...
30-49	93	4.1	23	1.0	54	2.4	9	.s.
50-69	233	20.8	91	7.4	149	13.3	52	4.2
70-79	114	35.8	78	18.7	95	29.8	71	17.0
80-Up	56	34.3	52	19.2	59	36.1	56	20.7
Total	506		245		359		189	
A-AR		8.6		3.5		6.3		2.6

- N = number of cases or deaths, % = percentage of five-year total of cases
 - Histologic categories are site specific, and change from one cancer site to another.
 - Ethnic categories are mutually exclusive, and Hispanics are not included in any other ethnic group.
 - AAIR = age-adjusted incidence rate per 100,000 people.
 - A-SR = age-specific rate per 100,000 people, for incidence or mortality, as appropriate.
 - A-AR = age-adjusted rate per 100,000 people, for incidence or mortality, as appropriate.
 Sources of data and methods for calculations and suppressed data (.s.,.&.) are given on pages 10-14 of this report.

Note: The age-adjusted rates are calculated using the Year 2000 Population Standard (see page 14).

Table 21
CANCER OF THE LIVER
1999-2003

SAN DIEGO / IMPERIAL ORGANIZATION FOR CANCER CONTROL
San Diego County, Calendar Years: 1999-2003

Race/Ethnicity: Five-year case counts and average annual age-specific incidence rates by gender								
	Asian / Pacific Islander		non-Hispanic Black		Hispanic		non-Hispanic White	
	N	A-SR	N	A-SR	N	A-SR	N	A-SR
Incidence: Males								
00-14	...	...	1	.s.	3	.s.	4	.s.
15-29	1	.s.	...	...	...	...	1	.s.
30-49	13	.s.	6	.s.	33	5.9	41	3.2
50-69	44	43.5	17	35.0	66	40.7	105	13.2
70-79	22	88.1	.s.	.s.	29	80.9	62	25.2
80-Up	11	.s.	.s.	.s.	4	.s.	37	26.7
Total	91		27		135		250	
A-AR		20.1		11.1		16.5		5.9
Incidence: Females								
00-14	1	.s.	...	...	...	...	...	...
15-29	...	...	...	...	...	...	...	...
30-49	2	.s.	2	.s.	6	.s.	13	.s.
50-69	27	19.9	5	.s.	21	10.2	37	4.5
70-79	27	75.5	4	.s.	14	.s.	33	10.5
80-Up	9	.s.	.s.	.s.	9	.s.	32	14.0
Total	66		13		50		115	
A-AR		10.6		.s.		5.4		2.2
Mortality: Males								
00-14	...	...	...	...	1	.s.	...	...
15-29	...	...	...	...	...	...	1	.s.
30-49	11	.s.	3	.s.	15	2.7	25	1.9
50-69	26	25.7	9	.s.	36	22.2	77	9.7
70-79	18	72.1	.s.	.s.	22	61.4	52	21.1
80-Up	7	.s.	...	...	10	.s.	42	30.3
Total	62		15		84		197	
A-AR		14.1		6.1		12.1		4.7
Mortality: Females								
00-14	1	.s.	...	...	...	...	...	...
15-29	...	...	...	...	...	...	...	...
30-49	4	.s.	...	...	2	.s.	3	.s.
50-69	14	.s.	1	.s.	15	7.3	20	2.5
70-79	20	55.9	4	.s.	11	.s.	36	11.5
80-Up	9	.s.	.s.	.s.	7	.s.	37	16.2
Total	48		8		35		96	
A-AR		8.2		.s.		4.0		1.7

- N = number of cases or deaths, as appropriate

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- A-SR = age-specific rate per 100,000 people, for incidence or mortality, as appropriate.

- A-AR = age-adjusted rate per 100,000 people, for incidence or mortality, as appropriate.

* Rates for 'Other/Unknown' group are not estimated because no population estimates exist.

Sources of data and methods for calculations and suppressed data (.s.,.&.) are given on pages 10-14 of this report.

Note: The age-adjusted are calculated using the Year 2000 Population Standard (see page 14).

Table 22
CANCER OF THE LUNG AND BRONCHUS
1999-2003

SAN DIEGO / IMPERIAL ORGANIZATION FOR CANCER CONTROL
San Diego County, Calendar Years: 1999-2003

Number of Cases by Year and Gender				Reporting Source			
Year	Male	Female	Total	Source	N	%	
1999	795	660	1455	Hospital	7112	94.5	
2000	855	747	1602	Physician	261	3.5	
2001	793	722	1515	Death Cert.	83	1.1	
2002	786	711	1497	Other	69	0.9	
2003	760	696	1456				
Total	3989	3536	7525				

Stage at Diagnosis				Histology			
Stage	N	%		Cell Type	N	%	
Local	1259	16.7		Adenocarcinoma	2157	28.7	
Regional:				Adenosquamous CA	44	0.6	
Direct Extension Only	439	5.8		Bronchio-Alveolar Adenoca	209	2.8	
Lymph Nodes Only	725	9.6		Large Cell Ca	378	5.0	
Extension & Nodes	512	6.8		Mucinous Adenocarcinoma	77	1.0	
Regional NOS	3	0.0		Oat Cell Ca	79	1.0	
Distant	4032	53.6		Small Cell Ca	766	10.2	
Unstageable	555	7.4		Squamous Cell Ca	1197	15.9	
				Other	2618	34.8	

Race/Ethnicity: Five-year case counts and average annual age-adjusted incidence rates by gender						
Ethnicity	Males		Females		Both Sexes	
	N	AAIR	N	AAIR	N	AAIR
Asian/PacIsl	252	60.3	186	30.5	438	42.8
Black	182	92.9	138	58.3	320	72.8
Hispanic	346	54.4	251	27.1	597	38.2
White	3196	76.3	2955	57.4	6151	65.6

Incidence and Mortality: Five-year case counts and average annual age-specific and age-adjusted rates by gender

Age	Incidence				Mortality			
	Male		Female		Male		Female	
	N	A-SR	N	A-SR	N	A-SR	N	A-SR
00-14	...	...	...	...	...	...	...	...
15-29	8	.s.	9	.s.	3	.s.	2	.s.
30-49	199	8.8	137	6.2	137	6.1	90	4.1
50-69	1528	136.2	1345	109.6	1111	99.0	882	71.8
70-79	1484	465.7	1273	305.2	1220	382.9	1005	240.9
80-Up	770	471.2	772	285.2	762	466.3	733	270.8
Total	3989		3536		3233		2712	
A-AR		72.0		49.9		59.1		37.9

- N = number of cases or deaths, % = percentage of five-year total of cases
 - Histologic categories are site specific, and change from one cancer site to another.
 - Ethnic categories are mutually exclusive, and Hispanics are not included in any other ethnic group.
 - AAIR = age-adjusted incidence rate per 100,000 people.
 - A-SR = age-specific rate per 100,000 people, for incidence or mortality, as appropriate.
 - A-AR = age-adjusted rate per 100,000 people, for incidence or mortality, as appropriate.
 Sources of data and methods for calculations and suppressed data (.s.,.&.) are given on pages 10-14 of this report.

Note: The age-adjusted rates are calculated using the Year 2000 Population Standard (see page 14).

Table 22
CANCER OF THE LUNG AND BRONCHUS
1999-2003

SAN DIEGO / IMPERIAL ORGANIZATION FOR CANCER CONTROL
San Diego County, Calendar Years: 1999-2003

Race/Ethnicity: Five-year case counts and average annual age-specific incidence rates by gender								
	Asian / Pacific Islander		non-Hispanic Black		Hispanic		non-Hispanic White	
	N	A-SR	N	A-SR	N	A-SR	N	A-SR
Incidence: Males								
00-14	...	...	...	...	...	...	...	...
15-29	...	...	...	...	4	.s.	4	.s.
30-49	17	8.0	25	17.8	23	4.1	134	10.3
50-69	92	90.9	101	207.8	134	82.6	1192	150.3
70-79	103	412.4	35	407.5	132	368.3	1210	491.9
80-Up	40	488.8	21	686.1	53	439.0	656	472.8
Total	252		182		346		3196	
A-AR		60.3		92.9		54.4		76.3
Incidence: Females								
00-14	...	...	...	...	...	...	...	...
15-29	1	.s.	1	.s.	2	.s.	5	.s.
30-49	14	.s.	7	.s.	22	3.7	94	7.8
50-69	91	67.1	77	150.2	99	48.0	1075	131.8
70-79	52	145.4	34	285.2	88	172.2	1098	349.7
80-Up	28	229.3	19	311.6	40	188.9	683	298.5
Total	186		138		251		2955	
A-AR		30.5		58.3		27.1		57.4
Mortality: Males								
00-14	...	...	...	...	...	...	...	...
15-29	1	.s.	1	.s.	1	.s.	...	...
30-49	13	.s.	15	10.7	18	3.2	91	7.0
50-69	69	68.2	66	135.8	106	65.3	864	108.9
70-79	64	256.3	40	465.8	90	251.1	1022	415.5
80-Up	37	452.1	24	784.1	49	405.9	651	469.2
Total	184		146		264		2628	
A-AR		46.0		84.8		42.8		62.9
Mortality: Females								
00-14	...	...	...	...	...	...	...	...
15-29	...	...	...	...	...	...	2	.s.
30-49	9	.s.	6	.s.	13	.s.	61	5.1
50-69	59	43.5	63	122.9	55	26.7	701	85.9
70-79	42	117.5	27	226.5	60	117.4	875	278.7
80-Up	25	204.7	18	295.2	42	198.4	648	283.2
Total	135		114		170		2287	
A-AR		23.0		48.8		19.5		43.3

- N = number of cases or deaths, as appropriate

- Ethnic categories are mutually exclusive, and Hispanics are not included in any other ethnic group.

- A-SR = age-specific rate per 100,000 people, for incidence or mortality, as appropriate.

- A-AR = age-adjusted rate per 100,000 people, for incidence or mortality, as appropriate.

* Rates for 'Other/Unknown' group are not estimated because no population estimates exist.

Sources of data and methods for calculations and suppressed data (.s.,.&.) are given on pages 10-14 of this report.

Note: The age-adjusted are calculated using the Year 2000 Population Standard (see page 14).

Table 23
MALIGNANT MELANOMA OF THE SKIN
1999-2003

SAN DIEGO / IMPERIAL ORGANIZATION FOR CANCER CONTROL
San Diego County, Calendar Years: 1999-2003

Number of Cases by Year and Gender				Reporting Source			
Year	Male	Female	Total	Source	N	%	
1999	386	215	601	Hospital	2631	76.4	
2000	348	290	638	Physician	629	18.3	
2001	433	293	726	Death Cert.	4	0.1	
2002	418	315	733	Other	179	5.2	
2003	420	325	745				
Total	2005	1438	3443				

Stage at Diagnosis				Histology			
Stage	N		%	Cell Type	N	%	
Local	2911		84.5	Amelanotic Melanoma	31	0.9	
Regional:				Lentigo Maligna Melanoma	247	7.2	
Direct Extension Only	78		2.3	Malignant Melanoma, NOS	1756	51.0	
Lymph Nodes Only	131		3.8	Nodular Melanoma	221	6.4	
Extension & Nodes	18		0.5	Superficial Spreading Melanoma	1011	29.4	
Regional NOS	...		...	Other	177	5.1	
Distant	118		3.4				
Unstageable	187		5.4				

Race/Ethnicity: Five-year case counts and average annual age-adjusted incidence rates by gender						
Ethnicity	Males		Females		Both Sexes	
	N	AAIR	N	AAIR	N	AAIR
Asian/PacIsl	5	.s.	4	.s.	9	.s.
Black	6	.s.	5	.s.	11	.s.
Hispanic	50	5.6	88	6.7	138	6.1
White	1777	42.0	1174	26.1	2951	33.0

Incidence and Mortality: Five-year case counts and average annual age-specific and age-adjusted rates by gender

Age	Incidence				Mortality			
	Male		Female		Male		Female	
	N	A-SR	N	A-SR	N	A-SR	N	A-SR
00-14	1	.s.	3	.s.	...	...	...	...
15-29	82	4.5	115	7.3	5	.s.	4	.s.
30-49	444	19.7	489	22.2	39	1.7	27	1.2
50-69	752	67.0	431	35.1	91	8.1	49	4.0
70-79	439	137.8	242	58.0	80	25.1	35	8.4
80-Up	287	175.6	158	58.4	64	39.2	32	11.8
Total	2005		1438		279		147	
A-AR		33.6		20.1		5.0		2.1

- N = number of cases or deaths, % = percentage of five-year total of cases
- Histologic categories are site specific, and change from one cancer site to another.
- Ethnic categories are mutually exclusive, and Hispanics are not included in any other ethnic group.
- AAIR = age-adjusted incidence rate per 100,000 people.
- A-SR = age-specific rate per 100,000 people, for incidence or mortality, as appropriate.
- A-AR = age-adjusted rate per 100,000 people, for incidence or mortality, as appropriate.
Sources of data and methods for calculations and suppressed data (.s.,...&.) are given on pages 10-14 of this report.

Note: The age-adjusted rates are calculated using the Year 2000 Population Standard (see page 14).

Table 23
MALIGNANT MELANOMA OF THE SKIN
1999-2003

SAN DIEGO / IMPERIAL ORGANIZATION FOR CANCER CONTROL
San Diego County, Calendar Years: 1999-2003

Race/Ethnicity: Five-year case counts and average annual age-specific incidence rates by gender								
	Asian / Pacific Islander		non-Hispanic Black		Hispanic		non-Hispanic White	
	N	A-SR	N	A-SR	N	A-SR	N	A-SR
Incidence: Males								
00-14	...	...	...	...	...	...	1	.s.
15-29	...	...	...	...	6	.s.	70	8.4
30-49	1	.s.	2	.s.	14	.s.	372	28.6
50-69	...	...	3	.s.	16	9.9	655	82.6
70-79	4	.s.	.s.	.s.	11	.s.	405	164.6
80-Up	...	...	...	...	3	.s.	274	197.5
Total	5		6		50		1777	
A-AR		.s.		.s.		5.6		42.0
Incidence: Females								
00-14	...	...	...	...	...	...	3	.s.
15-29	...	...	...	...	9	.s.	95	13.8
30-49	1	.s.	...	...	46	7.8	370	30.8
50-69	3	.s.	3	.s.	13	.s.	359	44.0
70-79	...	...	1	.s.	12	.s.	210	66.9
80-Up	...	...	.s.	.s.	8	.s.	137	59.9
Total	4		5		88		1174	
A-AR		.s.		.s.		6.7		26.1
Mortality: Males								
00-14	...	...	...	...	...	...	...	...
15-29	...	...	...	...	...	...	5	.s.
30-49	...	...	...	...	1	.s.	38	2.9
50-69	...	...	1	.s.	6	.s.	84	10.6
70-79	3	.s.	...	...	4	.s.	73	29.7
80-Up	...	...	...	...	...	...	64	46.1
Total	3		1		11		264	
A-AR		.s.		.s.		.s.		6.3
Mortality: Females								
00-14	...	...	...	...	...	...	...	...
15-29	...	...	...	...	1	.s.	3	.s.
30-49	1	.s.	...	...	3	.s.	23	1.9
50-69	2	.s.	1	.s.	2	.s.	44	5.4
70-79	1	.s.	...	...	3	.s.	31	9.9
80-Up	1	.s.	...	...	2	.s.	29	12.7
Total	5		1		11		130	
A-AR		.s.		.s.		.s.		2.6

- N = number of cases or deaths, as appropriate

- Ethnic categories are mutually exclusive, and Hispanics are not included in any other ethnic group.

- A-SR = age-specific rate per 100,000 people, for incidence or mortality, as appropriate.

- A-AR = age-adjusted rate per 100,000 people, for incidence or mortality, as appropriate.

* Rates for 'Other/Unknown' group are not estimated because no population estimates exist.

Sources of data and methods for calculations and suppressed data (.s.,.&.) are given on pages 10-14 of this report.

Note: The age-adjusted are calculated using the Year 2000 Population Standard (see page 14).

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SECTION V

FIVE-YEAR (1999-2003) INCIDENCE COUNTS AND AVERAGE-ANNUAL, AGE-ADJUSTED INCIDENCE RATES FOR ALL RACE / ETHNICITIES COMBINED, BY GENDER, FOR 97 CANCER SITES AND SITE GROUPS, AND CANCER OF ALL SITES

Table 34 presents five-year incidence counts and average-annual, age-adjusted incidence rates for 97 cancer sites and groups of sites, plus cancer of all sites, by gender, for all race/ethnic groups combined. In this table the cancer types are organized hierarchically, by anatomic system. The nosology is consistent with that of the Surveillance, Epidemiology, and End-Results Program of the National Cancer Institute⁸. There are separate columns for males only, females only, and both sexes combined. For each gender grouping, the number on the left is the count of incident cases in San Diego County over the five-year period. The number on the right is the age-adjusted incidence rate. The latter figure is more meaningful for comparisons with other cancer statistics (see discussion of age-adjusted rates, page 12; see Cautions on Interpretation, page 14).

Table 35 presents information for sarcoma in the same format. Sarcoma is presented by type, and again by origin.

Table 35

CANCER SURVEILLANCE PROGRAM OF SAN DIEGO COUNTY
Five-Year Annual Incidence Counts and Average-Annual, Age-Adjusted Incidence Rates per 100,000
1999-2003
Sarcoma

GENDER	MALE		FEMALE		BOTH	
	N	AAIR	N	AAIR	N	AAIR
CANCER SITE						
ALL SARCOMA	720	11.3	581	8.2	1301	9.6
ANGIOSARCOMA	15	0.3	18	0.3	33	0.3
EWING'S SARCOMA	17	0.2	10	.s.	27	0.2
FIBRO SARCOMA	135	2.3	84	1.2	219	1.6
KAPOSI'S SARCOMA	161	2.3	12	.s.	173	1.2
LEIOMYOSARCOMA	47	0.8	88	1.2	135	1.0
LIPOSARCOMA	21	0.3	19	0.3	40	0.3
OSTEOSARCOMA (not Ewing's)	65	0.9	39	0.6	104	0.7
OTHER SARCOMA	259	4.1	311	4.4	570	4.3
SOFT-TISSUE ORIGIN	222	3.6	169	2.4	391	2.9
OTHER ORIGIN	498	7.7	412	5.8	910	6.7

N = Number of Cases, AAIR = Age-Adjusted Incidence Rate

Sources of data and methods of calculation appear on pages 10-14 of this report.

* SEER stands for the Surveillance, Epidemiology, and End Results Program of the National Cancer Institute.

Data suppression rules (.s., &.) are given on pages 13-14 of this report.

Note: These rates are calculated using the Year 2000 Population Standard (see page 14).

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CANCER INCIDENCE AND MORTALITY IN ORANGE COUNTY 1999 - 2003

APPENDICES

- 1 Population Estimates (see page 11)
- 2 References
- 3 Reporting Sources and Case Ascertainment

APPENDIX 1

**Five-Year Population Estimates for San Diego County, by Age Group, Gender, and Race/Ethnicity
 1999-2003**

Age Group	Asian/Pacific Islander		Non-Hispanic Black		Hispanic	
	Male	Female	Male	Female	Male	Female
00-04	42281	39333	32792	31318	197287	191228
05-09	45747	41874	38711	36871	196734	187190
10-14	48602	45042	38307	37019	194730	186488
15-19	54664	51592	36889	31561	197470	180011
20-24	65091	61699	44637	30480	241727	197142
25-29	61129	63437	37396	28554	217884	204925
30-34	57870	65916	37549	31855	194703	186309
35-39	56730	64855	40157	34435	156451	163131
40-44	51676	62726	36019	31450	121887	136500
45-49	46658	57691	26940	24622	89692	102748
50-54	37308	47818	18639	18532	63101	74387
55-59	25636	33041	12133	13253	42198	54344
60-64	20930	28208	10290	11087	30953	41712
65-69	17313	26488	7532	8397	25974	35737
70-74	14194	21639	4960	6820	21054	29951
75-79	10779	14116	3628	5100	14782	21149
80-84	5186	7586	1881	3177	7678	11901
85-up	2998	4625	1180	2920	4394	9272
Total	664792	737686	429640	387451	2018699	2014125

Age Group	Non-Hispanic White		Total	
	Male	Female	Male	Female
00-04	200972	191287	501561	480282
05-09	216154	204005	520002	491646
10-14	226083	214056	528233	502309
15-19	240020	208689	546748	488915
20-24	303774	236103	673285	541390
25-29	287358	243107	618088	553407
30-34	300131	265703	602154	561411
35-39	328735	297159	593507	570846
40-44	350208	325163	570723	567130
45-49	319746	312073	492001	506265
50-54	285081	281895	410742	429962
55-59	216916	217967	301504	323641
60-64	155794	166927	221278	251605
65-69	135383	148828	188745	222451
70-74	129704	154864	171864	215830
75-79	116273	159107	146770	201322
80-84	83583	120312	99078	144147
85-up	55178	108519	64323	126573
Total	3951093	3855764	7250606	7179132

Source: Demographic Research Unit, California Department of Finance (see reference 3)

Annual Mid-Year Population Estimates for San Diego County, by Age Group and Gender
(continued on following page)

Age Group	1988		1989		1990	
	Male	Female	Male	Female	Male	Female
00-04	96051	91193	100188	95215	104238	99072
05-09	83726	79104	87615	83127	91232	86128
10-14	71554	68234	74546	71133	83362	77515
15-19	103295	83273	101048	82646	95469	81434
20-24	140667	101626	144370	104495	143644	106241
25-29	127761	110747	133945	114955	137139	116881
30-34	115302	106458	121150	111250	126019	115249
35-39	95002	91870	100421	96657	105239	101308
40-44	78105	77290	82336	81684	87147	86505
45-49	54370	55360	57949	59123	60971	62321
50-54	42959	45774	45065	47980	46949	50016
55-59	41490	45081	42164	45593	41949	45765
60-64	39888	48303	40348	48416	40547	47467
65-69	38273	45945	39899	48533	40096	49741
70-74	28275	36200	30111	38068	31291	39213
75-79	18960	27128	20229	28740	20997	29827
80-84	10627	17891	11297	18987	11666	19421
85-up	7245	15984	7160	16364	6913	15938
Total	1193550	1147461	1239841	1192966	1274868	1230042

Age Group	1991		1992		1993	
	Male	Female	Male	Female	Male	Female
00-04	110673	105042	115501	109938	117206	111515
05-09	93199	88316	95060	90108	96127	91269
10-14	91824	82859	97567	86385	99974	88265
15-19	88026	79430	88345	80904	92694	83261
20-24	140815	105700	132884	102916	121578	98848
25-29	135462	114496	133506	112157	130060	108259
30-34	128637	117194	129047	117236	128158	116302
35-39	108900	104706	112061	107790	113485	108738
40-44	91570	90920	92361	91712	93351	92763
45-49	64541	65603	70275	71130	73715	74656
50-54	48556	51701	50169	53414	52490	55705
55-59	41760	45898	42056	46274	42180	46458
60-64	40861	46859	40572	46025	39902	45036
65-69	39356	49245	38218	48212	37211	46873
70-74	32516	40756	33499	42027	33756	42652
75-79	21783	30471	22368	30940	22777	31191
80-84	12275	20037	12851	20550	13258	20884
85-up	7677	16940	8349	17812	8863	18436
Total	1298431	1256173	1314689	1275530	1316785	1281111

Source: Demographic Research Unit, California Department of Finance (see reference 3)

Annual Mid-Year Population Estimates for San Diego County, by Age Group and Gender
 (continued)

Age Group	1994		1995		1996	
	Male	Female	Male	Female	Male	Female
00-04	118206	111985	115910	109547	112285	106395
05-09	98219	93248	100529	95736	103754	98503
10-14	99530	89329	96892	88670	93771	87758
15-19	99583	86461	106370	89642	113169	92813
20-24	111834	95308	104940	92316	102513	91295
25-29	127284	105605	124180	104152	121228	104360
30-34	127284	115284	124710	112797	121087	109377
35-39	114421	109369	115231	109749	116048	110440
40-44	95170	94554	96886	96359	98869	98545
45-49	77062	78421	80818	82212	84016	85684
50-54	54530	57534	56361	59194	58828	61425
55-59	42732	47135	43274	47761	44087	48640
60-64	39349	44312	38658	43762	38169	43460
65-69	36462	45572	36307	44333	36342	43551
70-74	33919	43376	33582	43710	33116	43436
75-79	23178	31412	23745	31815	24687	33042
80-84	13710	21431	14150	22075	14533	22501
85-up	9271	18914	9528	19283	9634	19639
Total	1321744	1289250	1322071	1293113	1326136	1300864

Age Group	1997		1998		1999	
	Male	Female	Male	Female	Male	Female
00-04	110244	104133	106674	101340	103997	98821
05-09	106947	101871	108617	102998	109865	103974
10-14	94579	89146	96506	91596	99474	94394
15-19	117623	95687	117299	96808	112331	96643
20-24	107207	94421	115485	98506	123759	101464
25-29	119108	105266	117151	105963	117057	106174
30-34	118874	108340	116411	107043	114890	106588
35-39	117881	111952	118754	113314	120400	114746
40-44	102393	102478	105840	105529	108685	108090
45-49	85772	87575	87857	90085	91158	93376
50-54	64791	67436	69609	72245	74039	77308
55-59	46136	50724	49146	53901	52242	56589
60-64	38760	44271	39617	45314	40945	46747
65-69	36807	43553	37061	43621	37463	43825
70-74	32887	43517	33094	43708	33457	43812
75-79	26138	34995	27228	36706	28822	38850
80-84	15163	23299	15830	24242	16986	25552
85-up	9795	20228	9867	20736	10951	22834
Total	1351105	1328892	1372046	1353655	1396521	1379787

Source: Demographic Research Unit, California Department of Finance (see reference 3)

Annual Mid-Year Population Estimates for San Diego County, by Age Group and Gender
(continued)

Age Group	2000		2001		2002	
	Male	Female	Male	Female	Male	Female
00-04	99698	95334	98990	95035	99106	95298
05-09	107223	101170	104717	98861	101622	96016
10-14	103368	98582	107228	101965	109318	104048
15-19	106800	95575	106869	95981	108665	98497
20-24	132309	105922	135778	109140	138684	111188
25-29	119237	107003	121988	109037	126836	112867
30-34	116523	108735	120702	112770	124193	115881
35-39	119647	114518	118849	114020	118116	114142
40-44	111988	110992	115017	113944	117384	116363
45-49	94988	97559	98569	101508	102267	105510
50-54	80105	83515	83816	87626	85530	89615
55-59	55742	60022	59448	63699	64934	69354
60-64	42467	48430	43735	49823	45795	51937
65-69	37677	44171	37506	44213	37753	44700
70-74	34631	43706	34690	43137	34647	42712
75-79	29988	40929	29731	40916	29265	40556
80-84	19243	27779	20193	29077	21111	30440
85-up	12293	24694	12981	25545	13764	26471
Total	1423927	1408636	1450807	1436297	1478990	1465595

Age Group	2003	
	Male	Female
00-04	99770	95794
05-09	96575	91625
10-14	108845	103320
15-19	112083	102219
20-24	142755	113676
25-29	132970	118326
30-34	125846	117437
35-39	116495	113420
40-44	117649	117741
45-49	105019	108312
50-54	87252	91898
55-59	69138	73977
60-64	48336	54668
65-69	38346	45542
70-74	34439	42463
75-79	28964	40071
80-84	21545	31299
85-up	14334	27029
Total	1500361	1488817

Source: Demographic Research Unit, California Department of Finance (see reference 3)

APPENDIX 2

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APPENDIX 3

REPORTING SOURCES AND CASE ASCERTAINMENT

CSPOC/SANDIOCC collects data on every resident of Orange, San Diego, and Imperial County having a diagnosis of malignancy (except basal and squamous cell carcinoma of the skin). The data set maintained by CSPOC/SANDIOCC on cancer cases is comprised of items required by the State Department of Health Services, augmented by those recommended by the American College of Surgeons, the SEER program of the National Cancer Institute, and of interest at the regional level. Operations are highly automated, and data processing routinely includes thorough and comprehensive data edits. Quality-control measures are carried out at all phases of data collection, from case-finding procedures through re-abstracting of cases and consolidation of separate reports on the same tumor in the same patient.

As part of the California-wide cancer-reporting system, CSPOC/SANDIOCC receives information on all cancers diagnosed among residents of San Diego County at any facility in California. CSPOC/SANDIOCC incidence data are periodically checked against State mortality files conditioned on cancer as the cause of death. In addition, case-finding audits are periodically performed. Case-reporting sources include: hospitals, out-patient clinics, pathology laboratories, the Coroner's Office, and individual physicians. Space considerations preclude an exhaustive listing of sources of case reports, but the following is a list of major reporting facilities that have contributed to the data presented in this report.

NOTE: FACILITIES THAT HAVE CHANGED NAMES OR OWNERSHIP ARE LISTED UNDER THE CURRENT NAME ONLY.

MAJOR REPORTING FACILITIES

ALVARADO HOSPITAL MEDICAL CENTER
CHILDREN'S HOSPITAL AND HEALTH CENTER
ESCONDIDO SURGERY CENTER
FALLBROOK HOSPITAL
KAISER PERMANENTE SAN DIEGO MEDICAL CENTER / KAISER FOUNDATION HOSPITAL
NAVAL HOSPITAL, CAMP PENDLETON
NAVAL MEDICAL CENTER, SAN DIEGO
NORTH COUNTY RADIATION ONCOLOGY
ONCOLOGY THERAPIES OF VISTA
PALOMAR MEDICAL CENTER
PARADISE VALLEY HOSPITAL
POMERADO HOSPITAL
RADIATION MEDICAL GROUP
SCRIPPS GREEN HOSPITAL
SCRIPPS MERCY HOSPITAL CHULA VISTA
SCRIPPS MEMORIAL HOSPITAL ENCINITAS
SCRIPPS MEMORIAL HOSPITAL LA JOLLA
SCRIPPS MERCY HOSPITAL
SHARP CHULA VISTA MEDICAL CENTER
SHARP CORONADO HOSPITAL
SHARP GROSSMONT HOSPITAL
SHARP MARY BIRCH HOSPITAL FOR WOMEN
SHARP MEMORIAL HOSPITAL
SHARP REES STEALY MEDICAL GROUP
TRI-CITY MEDICAL CENTER
UNIVERSITY OF CALIFORNIA, SAN DIEGO MEDICAL CENTERS
VETERANS AFFAIRS SAN DIEGO HEALTHCARE SYSTEM
UNIVERSITY COMMUNITY MEDICAL CENTER