

PUBLICATION INFORMATION

This publication is produced by:

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under Subcontract 1006133 with the Public Health Institute (PHI) and Subcontract 1005926 with the Centers for Disease Control and Prevention (CDC). The Director for CSPOC/SANDIOCC is Deborah Bringman, MPH. Inquiries regarding the content of this report should be directed to CSPOC/SANDIOCC at the address given above.

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Ikei R, Rowley K, Zell JA, Bringman D, Taylor TH. *Cancer Incidence and Mortality in San Diego County, 1999-2003*. Irvine, CA: Cancer Surveillance Program of Orange County / San Diego - Imperial Organization for Cancer Control, Epidemiology Division, University of California, Irvine, March, 2006.

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.

The collection of cancer-incidence data was supported by the California Department of Health Services as part of the statewide cancer reporting program mandated by California Health and Safety Code Section 103885; the National Cancer Institute's Surveillance, Epidemiology and End Results Program under contract N01-PC-35136 awarded to the Northern California Cancer Center, contract N01-PC-35139 awarded to the University of Southern California, and contract N02-PC-15105 awarded to the Public Health Institute; and the Centers for Disease Control and Prevention's National Program of Cancer Registries, under agreement #U55/CCR921930-02 awarded to the Public Health Institute. The ideas and opinions expressed herein are those of the author(s) and endorsement by the State of California, Department of Health Services, the National Cancer Institute, and the Centers for Disease Control and Prevention or their contractors and subcontractors is not intended nor should be inferred.

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 |

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| 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 |

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| | |
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| 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.

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 | 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.

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 | 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.

* 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 | 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.

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

| | 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

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

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

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

| 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
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

| 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

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

| 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
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

| 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

- 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 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

REFERENCES

1. Anton-Culver H, Culver BD, Kurosaki T, Osann K, Lee JB. Incidence of lung cancer by histologic type from a population-based registry. *Cancer Research* 48, 6580-6583, 1988.
2. World Health Organization. *International Classification of Diseases, Ninth Revision*. Geneva: World Health Organization, 1977.
3. World Health Organization. *International Statistical Classification of Diseases and Related Health Problems, Tenth Revision*. Geneva: World Health Organization, 1992.
4. California Department of Finance. Race/ethnic population with age and sex detail, 1970-1989. Sacramento, CA: State of California, Department of Finance, Demographic Research Unit, December, 1998.
5. California Department of Finance. Race/ethnic population with age and sex detail, 1990-1999. Sacramento, CA: State of California, Department of Finance, Demographic Research Unit, May, 2004.
6. California Department of Finance. Race/ethnic population with age and sex detail, 2000-2050. Sacramento, CA: State of California, Department of Finance, Demographic Research Unit, May, 2004.
7. Fritz A, Percy C, Jack A, Shanmugaratnam K, Sobin L, Parkin DM, Whelan S. (Eds). *International Classification of Diseases for Oncology, 3rd Ed*. Geneva: World Health Organization, 2000.
8. Ries LAG, Eisner MP, Kosary CL, Hankey BF, Miller BA, Clegg L, Mariotto A, Feuer EJ, Edwards BK (eds). SEER Cancer Statistics Review, 1975-2001, National Cancer Institute. Bethesda, MD, http://seer.cancer.gov/csr/1975_2001/, 2004.
9. Kwong SL, Perkins CI, Morris CR, Cohen R, Allen M, Schlag R, Wright WE. *Cancer in California: 1988-1998*. Sacramento: California Department of Health Services, Cancer Surveillance Section, December 2000.
10. SEER (Surveillance, Epidemiology, and End Results Program). *SEER Edit Documentation*. Bethesda: SEER Program, National Cancer Institute. May, 1993.
11. Bureau of the Census. *Census 2000 Summary File 1: 2000 Census of Population and Housing [database online]*. Washington, DC: US Department of Commerce, U.S. Census Bureau, December 2001.
12. Fleiss JL. *Statistical Methods for Rates and Proportions, Second Edition*. New York: Wiley & Sons, 1981.

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