

**HB**

**114**

STATE OF ALASKA  
1997 LEGISLATIVE SESSION

BILL NO. HB 114

Revision Date: \_\_\_\_\_  
 Title: An act relating to health care data  
and registration of births  
 Sponsor: HESS  
 Requestor: HESS

Dept. Affected: Health and Social Services  
 BRU: State Health Services  
 Component: Epidemiology  
 COMPONENT SERIAL NO. 296  
 See also (SN#): 961

Expenditures/Revenues:

(Thousands of Dollars)

| OPERATING              | FY98       | FY99       | FY00       | FY01       | FY02       | FY03       |
|------------------------|------------|------------|------------|------------|------------|------------|
| PERSONAL SERVICES      |            |            |            |            |            |            |
| TRAVEL                 |            |            |            |            |            |            |
| CONTRACTUAL            |            |            |            |            |            |            |
| SUPPLIES               |            |            |            |            |            |            |
| EQUIPMENT              |            |            |            |            |            |            |
| LAND & STRUCTURES      |            |            |            |            |            |            |
| GRANTS, CLAIMS         |            |            |            |            |            |            |
| MISCELLANEOUS          |            |            |            |            |            |            |
| <b>TOTAL OPERATING</b> | <b>0.0</b> | <b>0.0</b> | <b>0.0</b> | <b>0.0</b> | <b>0.0</b> | <b>0.0</b> |

|                      |  |  |  |  |  |  |
|----------------------|--|--|--|--|--|--|
| CAPITAL EXPENDITURES |  |  |  |  |  |  |
|----------------------|--|--|--|--|--|--|

|                     |  |  |  |  |  |  |
|---------------------|--|--|--|--|--|--|
| CHANGES IN REVENUES |  |  |  |  |  |  |
|---------------------|--|--|--|--|--|--|

FUND SOURCE

(Thousands of Dollars)

|                          |            |            |            |            |            |            |
|--------------------------|------------|------------|------------|------------|------------|------------|
| 1002 Federal Receipts    |            |            |            |            |            |            |
| 1003 GF Match            |            |            |            |            |            |            |
| 1004 GF                  |            |            |            |            |            |            |
| 1005 GF/Program Receipts |            |            |            |            |            |            |
| 1037 GF/Mental Health    |            |            |            |            |            |            |
| Other (please specify)   |            |            |            |            |            |            |
| <b>TOTAL</b>             | <b>0.0</b> | <b>0.0</b> | <b>0.0</b> | <b>0.0</b> | <b>0.0</b> | <b>0.0</b> |

POSITIONS:

|           |  |  |  |  |  |  |
|-----------|--|--|--|--|--|--|
| FULL-TIME |  |  |  |  |  |  |
| PART-TIME |  |  |  |  |  |  |
| TEMPORARY |  |  |  |  |  |  |

Estimate of any current year (FY97) cost: 10.0

ANALYSIS: Attach a separate page if necessary:

Should this bill not pass, the state would lose \$420.0/year in federal grant funds for the establishment of a cancer registry to monitor the occurrences within the state.

Prepared by: Peter M. Nakamura, MD, MPH  
 Division: Public Health

Phone: (907) 465-3090  
 Date: 07/10/97

Approved by Commissioner: Karen Perdue, Commissioner  
 Agency: Department of Health & Social Services

Date: 2/12/97

STATE OF ALASKA  
1997 LEGISLATIVE SESSION

BILL NO. HB 114

Revision Date: \_\_\_\_\_  
Title: An act relating to health care data  
and registration of births  
Sponsor: HESS  
Requestor: HESS

Dept. Affected: Health and Social Services  
BRU: State Health Services  
Component: Bureau of Vital Statistics  
COMPONENT SERIAL NO. 981  
See also (SN#): 296

Expenditures/Revenues:

(Thousands of Dollars)

| OPERATING              | FY98       | FY99       | FY00       | FY01       | FY02       | FY03       |
|------------------------|------------|------------|------------|------------|------------|------------|
| PERSONAL SERVICES      |            |            |            |            |            |            |
| TRAVEL                 |            |            |            |            |            |            |
| CONTRACTUAL            |            |            |            |            |            |            |
| SUPPLIES               |            |            |            |            |            |            |
| EQUIPMENT              |            |            |            |            |            |            |
| LAND & STRUCTURES      |            |            |            |            |            |            |
| GRANTS, CLAIMS         |            |            |            |            |            |            |
| MISCELLANEOUS          |            |            |            |            |            |            |
| <b>TOTAL OPERATING</b> | <b>0.0</b> | <b>0.0</b> | <b>0.0</b> | <b>0.0</b> | <b>0.0</b> | <b>0.0</b> |

|                      |  |  |  |  |  |  |
|----------------------|--|--|--|--|--|--|
| CAPITAL EXPENDITURES |  |  |  |  |  |  |
|----------------------|--|--|--|--|--|--|

|                     |  |  |  |  |  |  |
|---------------------|--|--|--|--|--|--|
| CHANGES IN REVENUES |  |  |  |  |  |  |
|---------------------|--|--|--|--|--|--|

FUND SOURCE

(Thousands of Dollars)

|                          |            |            |            |            |            |            |
|--------------------------|------------|------------|------------|------------|------------|------------|
| 1002 Federal Receipts    |            |            |            |            |            |            |
| 1003 OF Match            |            |            |            |            |            |            |
| 1004 GF                  |            |            |            |            |            |            |
| 1005 GF/Program Receipts |            |            |            |            |            |            |
| 1037 GF/Mental Health    |            |            |            |            |            |            |
| Other (please specify)   |            |            |            |            |            |            |
| <b>TOTAL</b>             | <b>0.0</b> | <b>0.0</b> | <b>0.0</b> | <b>0.0</b> | <b>0.0</b> | <b>0.0</b> |

POSITIONS:

|           |  |  |  |  |  |  |
|-----------|--|--|--|--|--|--|
| FULL-TIME |  |  |  |  |  |  |
| PART-TIME |  |  |  |  |  |  |
| TEMPORARY |  |  |  |  |  |  |

Estimate of any current year (FY97) cost: 30.0

ANALYSIS: Attach a separate page if necessary

Should this bill not pass, the state would lose \$420.0/year in federal grant funds for the establishment of a cancer registry to monitor the occurrences within the state.

Prepared by: Peter M. Nakamura, MD, MPH  
Division: Public Health

Phone: (907) 465-3090  
Date: 02/10/97

Approved by Commissioner: Karen Perdue, Commissioner  
Agency: Department of Health & Social Services

Date: 2/13/97

# HOUSE COMMITTEE REPORT

(7)  
Date Referred to Committee: February 5, 1997

FURTHER REFERRALS:

Date of Committee Action: 2/25/97

The HEALTH, EDUCATION AND SOCIAL SERVICES Committee considered:

HB 114

HOUSE BILL NO. 114

HEALTH CARE DATA; BIRTH REGISTRATIONS

"An Act relating to health care data and registration of births."

recommends it be replaced with the following committee substitute \_\_\_\_\_  the same title  a new title

additional referral to \_\_\_\_\_ Committee  
 attached amendment(s)

ADOPTS: \_\_\_\_\_ Letter of Intent

ATTACHES NEW FISCAL NOTE(S): \_\_\_\_\_ (Dept)

APPROVES PREVIOUS: \_\_\_\_\_ (Dept/Date)

fiscal note(s) \_\_\_\_\_

fiscal note(s) \_\_\_\_\_

zero fiscal note(s) ② H+SS

zero fiscal note(s) \_\_\_\_\_

| SIGNING WITH RECOMMENDATIONS | DP | DNP | NR | AM |
|------------------------------|----|-----|----|----|
| <i>Frank Papp</i>            | ✓  |     |    |    |
| <i>John Papp</i>             |    |     | ✓  |    |
| <i>War Bunker</i>            | ✓  |     |    |    |
| <i>James D. Porter</i>       | ✓  |     |    |    |
| <i>[Signature]</i>           |    |     | ✓  |    |
| <i>[Signature]</i>           |    |     | ✓  |    |
|                              |    |     |    |    |
|                              |    |     |    |    |
|                              |    |     |    |    |
|                              |    |     |    |    |

CHAIR'S SIGNATURE

*War Bunker*

# HEALTH, EDUCATION AND SOCIAL SERVICES COMMITTEE

ALASKA STATE LEGISLATURE  
HOUSE OF REPRESENTATIVES

STATE CAPITOL, JUNEAU 99801  
(907) 465-3759



## SPONSOR STATEMENT

### HB 114

"An Act relating to health care data and registration of births."

This bill will accomplish changes in law needed to assure that the Department of Health and Social Services has access to information on diseases and conditions of public health significance that is essential to carrying out disease surveillance, control, and prevention activities.

It will establish explicit civil immunity for providers who comply with requirements to report health care data and assure access by DHSS to health records needed to carry out its mandates and to conduct research for the purposes of protecting and promoting public health. These provisions are required to continue eligibility for a Federal grant of \$420,000 per year which supports operation of a registry of cancer occurrences within the state - an increasingly vital activity as cancer has become the leading cause of death.

HB 114 will also make changes needed to fully implement the Electronic Birth Certificate system and clarify rules for filing and registering births occurring en route to Alaska. The bill will:

- allow certification of births to occur by an electronic process rather than only by signature on a paper certificate and shift the place of filing to recognize electronic filing;
- reduce filing time from 7 to 5 days to comply with requirements of the National Center for Health Statistics;
- clarify rules for filing and registering births occurring on moving conveyances in international waters or air space or foreign waters or air space en route to Alaska to comply with the model Vital Statistics Act.

SPONSOR STATEMENT

Department of Health and Social Services  
Position and Sectional Analysis  
HB 114

The Department strongly supports this bill. It accomplishes two important objectives by (1) allowing the department to establish and maintain a statewide cancer registry under a 5-year \$420,000 annual grant; (2) increase program efficiency by allowing the Department to take advantage of new technology.

**Section 1:** Grants civil immunity to persons who report health care data to the Department when the reports are made in compliance with AS 18.05 and attendant regulations. This immunity protects the person reporting the information regardless of how the Department uses the information. This protection is necessary to make the Department eligible to receive grant funds to establish a statewide cancer registry.

**Section 2:** Grants the Department the right to examine health care records of anyone providing health care services to patients that would identify patients or establish characteristics of an identified patient with a reportable condition or disease. It allows the Department to conduct research using information reported to the Department while requiring the Department to keep reported information confidential. It allows the Department to release this information to other persons for clinical, epidemiological or other public health research so long as the information is kept confidential and not released to other persons without Departmental consent. Finally, information reported under this section is exempt for freedom of information requests.

**Section 3:** Clarifies the rules for reporting and registering births that occur on moving conveyances in international waters or air space or foreign waters or air space en route to Alaska and bring Alaska statutes on such reporting into compliance with the model Vital Statistics Act. It reduces the filing time from 7 to 5 days to comply with requirements of the National Center for Health Statistics.

**Section 4:** Clarifies the rules for reporting of births that occur en route to a birthing institution, allow the Department to fully implement the Electronic Birth Certificate system by allowing electronic certification of births rather than only by signature on a piece of paper and by moving the place of filing to recognize electronic filing at the Bureau of Vital Statistics.

ALASKA STATE

---

# HOSPITAL & NURSING HOME

---

ASSOCIATION

Representative Con Bunde, Chair  
House HESS Committee  
Room 104, Capitol Building  
Juneau, AK 99811

February 25, 1997

RE: House Bill 114 "An Act relating to health care data and registration of births."

Dear Representative Bunde:

The members of the Alaska State Hospital and Nursing Home Association (ASHNHA) support House Bill 114 which is scheduled for a hearing before your committee today.

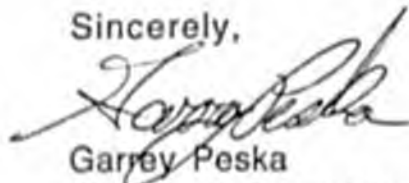
Section 1 of this bill provides immunity for a person who reports health care data required by law to be reported to the Department of Health and Social Services.

Section 2 clarifies that the Department has the right to access health care records to conduct epidemiological or other public health research.

Sections 3 & 4 clarify and simplify the process for registration of births.

We respectfully request that you support HB 114 and pass it from the HESS committee today.

Sincerely,



Garrey Peska  
Financial Consultant

# New thermotherapy gives relief to men with enlarged prostate

By TIM MURRAY  
Daily News reporter

The leaks in Steve Hopkins' bathroom are nobody's business but his.

But thanks to a recent medical breakthrough, Hopkins' once-fittful personal plumbing is functioning just beautifully.

"Right now," said Hopkins, 89, of Anchorage, "everything comes out just fine."

Last fall, Hopkins became one of the first men in Alaska to undergo a new medical procedure to treat symptoms of the enlarged prostate, a noncancerous condition affecting about 50 percent of U.S. males over age 60.

The procedure is called transurethral microwave thermotherapy, TUMT for short.

And for prostate patients who respond poorly to medication or want to avoid "robotic" surgery, TUMT is a welcome alternative.

"I'd definitely climb on the handwagon for this procedure," said Tom Rodda, 54, another thermotherapy patient from Anchorage. "It definitely improved my quality of life."

With a price tag of about \$2,000, thermotherapy isn't cheap. But it's a relatively painless one-hour procedure that's done at the doctor's office with an instrument called the Prostatron.

Alaska Urological Associates, in the Alaska Regional Medical Plaza, is the only clinic in Alaska currently equipped to administer thermotherapy.

Dr. Kevin Tomera said 60 men ranging in age from 48 to 89 have undergone thermotherapy at Alaska Urological Associates since October.

Only nine patients, 15 percent of those treated, were dissatisfied with the results, Tomera said. "They wanted greater improvement in their condition or experienced more discomfort than they expected."

Part of the male reproductive system, the prostate is a walnut-sized gland that produces semen, the fluid that carries sperm. The gland surrounds the urethra, the tube that carries urine from the bladder, and an enlarged prostate can obstruct the urethra like a clamp around a garden hose.

Enlargement commonly results from hormonal changes in men approaching middle age.

Symptoms include a burning sensation when urinating, pushing or straining, a weak urine stream, difficulty emptying the bladder completely, frequent trips to the bathroom at night.

In Hopkins' case, he couldn't urinate at all, an urgent condition eventually remedied by thermotherapy.

Rodda took medication to ease his discomfort, but it made him nauseous. When he stopped, the symptoms returned.

"I was getting up four or five times a night to go to the bathroom," Rodda said. "Or I'd go to a meeting and have to excuse myself twice in one hour. I was very tired of having to deal with it."

Rather than undergo surgery, which includes risks such as incontinence or impotence, Rodda opted for thermotherapy.

TUMT uses controlled heat in the form of microwave energy to destroy excess cells in the enlarged prostate. When the cells are destroyed, pressure on the urethra is relieved and urine flow improves.

Thermotherapy is accomplished by inserting a catheter with a tiny internal antenna into the urethra and then it's positioned at the center of the prostate. The Prostatron sends heat through the antenna, heating the prostate tissue to about 45 degrees Celsius (or 113 degrees Fahrenheit) and destroying the excess cells.

During treatment, patients lie on a table and can pass the time reading. Rodda described his thermotherapy as "an uncomfortable hour," but because anesthesia wasn't required, he went home immediately afterward.

"I like to tell my patients to expect a day of misery," Tomera said.

The side effects of TUMT are few, Tomera said. Most men experience some discomfort for a few days, and some go home with a catheter in place to aid urination. Sexual function is not affected.

Since undergoing thermotherapy, Rodda's life is back to normal.

"I'd recommend it to anybody," he said.

# Juneau man puts face on cancer

By TIM MURRAY  
Daily News reporter

Mike Miller is dying of prostate cancer, but bless the man's heart, he still has his sense of humor.

"I'm a man on the outside and a woman on the inside," he said, poking fun at the hormone exchange he underwent as part of his medical treatment.

In an effort to prolong Miller's life, doctors depleted his body of its cancer-carrying testosterone supply and replaced it with estrogen, the female sex hormone.

Now, Miller said, "I feel occasional hot flashes and, at that dreaded time of the month, I retreat to a far corner of the house to avoid squabbling with my wife."

A respected Juneau swim coach, Miller was diagnosed with incurable prostate cancer on Jan. 17, 1996. Doctors gave him 35 months to live, at most.

"I felt fear, anger, frustration," he said, recalling that dreadful day.

The news came as a terrible blow for Miller's wife, Judy, particularly since it came only a few years after their son, Michael Todd, almost was killed when hit by a truck while bicycling.

"She felt like she was being robbed -- again," said Mike, whose family also includes a 16-year-old son and a daughter, 12.

Michael Todd has made almost a complete recovery,

defying doctors' odds for his survival and lighting a candle of hope in his father.

"My son is my inspiration," Miller said. "He paved the way for me to accept what I'm dealing with today."

And should cancer claim Miller's life, he vows to go with "class, dignity and pride."

But Miller, 44, isn't going quietly. Espousing what he calls the "law of esprit," Miller is in Anchorage this week to share his cancer-fighting story.

"I'm relying on humor, faith and a strong attitude," he said. "I've let joy into my life."

On Tuesday, wearing dark glasses indoors to protect his light-sensitive eyes, Miller spoke at Dimond High School, cautioning teenagers that 4 in 10 Americans will contract some form of cancer during their lives and that among U.S. men over age 50 prostate cancer is the leading cause of death.

"People don't want to talk about prostate cancer," Miller said. "But it's time we stood up and embraced this disease."

"Why does Miller think teens should concern themselves with a disease that strikes at midlife?" "Because talking about it now will empower them later."

Miller also emphasized the importance of a healthy lifestyle, urging students to exercise, eat right and avoid

drugs and alcohol. "They tip up your immune system, which could lead to potential harm."

Miller's sober message struck a chord with T.J. Wiley, a 17-year-old Dimond High junior.

"A lot of me wants to say it doesn't really matter, not at my age," Wiley said. "But I know that it's something I might face when I get into my 40s. Do I live for today or plan for the future?"

Wiley said it's impossible to ignore cancer's ugly statistics, and he knows the importance of making healthy life-style choices, but like most teenagers he admits to being a procrastinator.

"I'm sure I'll have some french fries at lunch and put my worries off until tomorrow," he said.

Miller's visit also was important to the girls in the audience, said Dimond sophomore Gina Ferguson, 16.

"My future husband might get prostate cancer, and I'll have to deal with it," she said.

"And listening to (Miller) made me realize the importance of check-ups for men and women. It made me want to go out and get checked."

That is music to Miller's ears, even though he suffers from hearing loss related to the cancer.

"Getting people to talk about cancer, and teaching them not to fear it, is the best way I can say 'Thank you,'" he said.

**Your Ticket to Hot Nights**

**97 Fur Rondy**

**For Rondy Masque Ball**  
 7:00 pm - 11:00 pm  
 Tickets \$10.00  
 February 22, Dimond Plaza  
 1111 1st Avenue, Anchorage

**For Rondy Melodrama**  
 7:00 pm - 11:00 pm  
 Tickets \$10.00  
 February 23, Dimond Plaza  
 1111 1st Avenue, Anchorage

**Originals to Remember**  
**Grand Old Rondy**  
 7:00 pm - 11:00 pm  
 Tickets \$10.00  
 February 24, Dimond Plaza  
 1111 1st Avenue, Anchorage

**Don't miss any of the Rondy fun!**

Look for the official guide

# CALIFORNIA FACTS & FIGURES 1996

THE AMERICAN CANCER SOCIETY (ACS) IS THE NATIONWIDE COMMUNITY-BASED VOLUNTARY HEALTH ORGANIZATION DEDICATED TO ELIMINATING CANCER AS A MAJOR HEALTH PROBLEM BY PREVENTING CANCER, SAVING LIVES FROM CANCER, AND DIMINISHING SUFFERING FROM CANCER THROUGH RESEARCH, EDUCATION, ADVOCACY, AND SERVICE.

## Contents

---

- PAGE 2 - Introduction
- PAGE 3 - California Basic Cancer Data
- PAGE 4 - Estimated New California Cancer Cases & Deaths
- PAGE 5 - Five-Year Relative Cancer Survival Rates
- PAGE 6 - Estimated New California Cancer Cases by County
- PAGE 7 - Estimated California Cancer Deaths by County
- PAGES 8 & 9 - Percent of Cancer Cases Diagnosed at Early Stage
- PAGE 10 - Common Cancer Sites by Sex and Age
- PAGE 10 - California Cancer by Sex
- PAGE 11 - Common Cancer Sites by Sex and Race/Ethnicity
- PAGE 12 - Cancer Among Diverse Populations
  - PAGE 12 - Children and Cancer in California
  - PAGE 12 - Cancer in the Poor
- PAGE 13 - Cancer Among Diverse Populations (Continued)
  - PAGE 13 - Cancer in Minorities
- PAGE 14 - Breast Cancer Information
- PAGE 14 - Prostate Cancer Information
- PAGE 15 - Prostate Cancer Information (Continued)
- PAGE 16 - Estimating Cancer Statistics
- PAGE 16 - Costs of Cancer
- PAGE 17 - Cancer Prevention and Detection Guidelines
- PAGES 18 and 19 - Actions Taken by Californians
  - PAGE 18 - Breast Cancer
  - PAGE 18 - Cervical Cancer
  - PAGE 19 - Colorectal and Prostate Cancers
  - PAGE 19 - Lung Cancer
- PAGES 20 to 23 - Major Cancer Sites
- PAGES 24 and 25 - Advances in Cancer
- PAGE 26 - American Cancer Society, California Division Profile
- PAGE 27 - Cancer Research
  - Clinical Trials
  - American Cancer Society Research Program
  - Major Areas of Funding - 1994
- PAGE 28 - Who's Who in California Research
- PAGES 29 to 31 - Community Resources
  - PAGE 29 - Cancer Centers
  - PAGE 29 - Community Clinical Oncology Program (CCOP)

- PAGE 29 - Clinical Trials Cooperative Groups
- PAGE 30 - American College of Surgeons Approved Hospitals
- PAGE 31 - Regional Cancer Registries
- PAGE 31 - American Cancer Society Programs
- American Cancer Society, California Regions and Units

---

*© 1995 American Cancer Society, California Division, Inc. All rights reserved, including the right to reproduce this publication or portions thereof in any form. However, figures and tables produced by the California Department of Health Services may be reproduced without permission. For written permission, address the American Cancer Society, California Division, 1710 Webster Street, Suite 210, Oakland, CA 94612.*

*Concept, design, and original coding of the hypertext version of this publication were created by Audrey Yuen and Tom McClure. 1996 updated figures and graphics were created by Audrey Yuen and Jason Tokunaga.*

---

**1996 CALIFORNIA FACTS AND FIGURES**

---

# California Basic Cancer Data

---

## *What is cancer?*

Cancer is a large group of diseases characterized by uncontrolled growth and spread of abnormal cells. If the spread is not controlled or checked, it results in death. However, many cancers can be cured if detected and treated promptly, and many others can be prevented by lifestyle changes, especially avoidance of tobacco.

## *Who gets cancer?*

Cancer strikes at any age. It kills more children age 1 to 14 in California than any other disease. Among adults, it occurs more frequently with advancing age. In the 1980s, there were 447,181 cancer deaths in California, an estimated 900,000 new cancer cases and an estimated 1.2 million people under medical care for cancer.

## *How many people alive today will get cancer?*

About ten million Californians now living will eventually have cancer, about one in three, according to present rates. Over the years, cancer will strike in approximately three of four families. Even if incidence rates remain constant, this number of new cases will continue to grow as the California population increases due to migration and to the aging of the population.

## *How many people alive today have ever had cancer?*

There are over 822,000 Californians alive today who have a history of cancer, 350,600 diagnosed five or more years ago. Most of these 350,600 can be considered cured, while others still have evidence of cancer. By "cured" it is meant that a patient has no evidence of disease and has the same life expectancy as a person who never had cancer.

The decision as to when a patient may be considered cured is made by the physician after examining the individual patient. For most forms of cancer, five years without symptoms following treatment is the accepted time. Nevertheless, some patients can be considered cured after one year and others after three years, but some have to be observed much longer than five years.

## *How many new cases will there be this year?*

In 1996, about 135,950 Californians will be diagnosed as having cancer. This estimate does not include non-melanoma skin cancer and carcinoma in situ. This is equivalent to almost 16 new cases every hour of every day. Cancer rates in California are lower than the national average - that's the good news.

## *How many people are surviving cancer?*

In the early 1900s, few cancer patients had any hope of long-term survival. In the 1930s, less than one in five was alive at least five years after treatment. In the 1940s it was one in four, and in the 1960s it was one in three.

Today, about 54,400 Californians who get cancer this year will be alive five years after diagnosis. When normal life expectancy is taken into consideration (factors such as dying of heart disease, accidents and diseases of old age), a "relative" five-year survival rate of 53 percent is seen for all cancers. The relative survival rate is commonly used to measure progress in the early detection and treatment of cancer and estimates the proportion of cancer patients potentially curable.

*How many people will die?*

In 1996 about 52,685 people will die of the disease - about 144 people a day. Of every five deaths from all causes in California, one is from cancer.

*Could more people be saved?*

All cancers caused by tobacco and heavy use of alcohol can be prevented completely. The ACS estimates that in 1996 over 17,000 lives will be lost to cancer in California because of tobacco use. About 1,680 cancer deaths will be related to excessive alcohol use, frequently in combination with tobacco use. Regular screening and self-exams can detect cancers of the breast, tongue, mouth, colon, rectum, cervix, prostate, testis, and melanoma of the skin at an early stage when treatment is more likely to be successful. These sites include nearly half of all new cases. Of these cases, about two-thirds of all patients currently survive. This means that of those persons diagnosed with these cancers in 1996, nearly 10,580 more would survive if their cancers had been detected in a localized stage and treated promptly.

*How is cancer treated?*

Cancer is treated by surgery, radiation therapy, radioactive substances, chemicals, hormones, immunotherapy, and bone-marrow transplantation.

*Cancer and other diseases*

While there is little information available on the incidence of other diseases, mortality data are available for all causes of death. In California, cancer is the second leading cause of death, accounting for 23.0% of all deaths in 1993 versus heart disease, the leading cause, which accounted for 31.1%. The distant third leading cause of death was stroke, 6.9%, followed by pneumonia/influenza and lung disease (COPD), each of which accounted for 4.8%, and accidents which accounted for another 4.3%. Rounding out the top 10 causes of death were AIDS, 2.9%; homicide, 1.9%; diabetes, 1.7%; and suicide, 1.7%.

---

1996 CALIFORNIA CANCER FACTS & FIGURES

[ [Previous page](#) | [Top of this page](#) | [Next page](#) | [Contents](#) ]

---

# Estimated New California Cancer Cases and Deaths by Site and Sex (All Races Combined) 1996<sup>1</sup>

Table may take a while to load.  
A [text-based version](#) is also available.

| Site                           | ESTIMATED NEW CASES |               |               | ESTIMATED DEATHS |               |               |
|--------------------------------|---------------------|---------------|---------------|------------------|---------------|---------------|
|                                | Both Sexes          | Males         | Females       | Both Sexes       | Males         | Females       |
| <b>ALL SITES COMBINED</b>      | <b>135,950</b>      | <b>72,670</b> | <b>63,280</b> | <b>52,685</b>    | <b>27,080</b> | <b>25,595</b> |
| <b>ORAL CAV. &amp; PHARYNX</b> | 3,400               | 2,325         | 1,075         | 945              | 625           | 320           |
| <b>DIGESTIVE SYSTEM</b>        | 24,795              | 13,250        | 11,545        | 12,670           | 6,780         | 5,890         |
| ESOPHAGUS                      | 1,160               | 815           | 345           | 1,005            | 745           | 260           |
| STOMACH                        | 2,710               | 1,690         | 1,020         | 1,660            | 955           | 705           |
| SMALL INTESTINE                | 420                 | 220           | 200           | 100              | 45            | 55            |
| COLON                          | 10,510              | 5,265         | 5,245         | 4,575            | 2,230         | 2,345         |
| RECTUM & RECTOSIGMOID          | 4,265               | 2,335         | 1,930         | 850              | 475           | 375           |
| ANUS, CANAL & ANORECTUM        | 380                 | 155           | 225           | 55               | 20            | 35            |
| LIVER                          | 1,145               | 790           | 355           | 1,010            | 680           | 330           |
| INTRAHEPATIC BILE DUCT         | 170                 | 95            | 75            | 195              | 100           | 95            |
| GALLBLADDER                    | 365                 | 105           | 260           | 225              | 65            | 160           |
| OTHER BILIARY                  | 395                 | 190           | 205           | 210              | 100           | 110           |
| PANCREAS                       | 2,965               | 1,430         | 1,535         | 2,680            | 1,320         | 1,360         |
| RETROPERITONEUM                | 125                 | 75            | 50            | 35               | 15            | 20            |
| <b>RESPIRATORY SYSTEM</b>      | 20,650              | 12,140        | 8,510         | 14,570           | 8,385         | 6,185         |
| NASAL CAVITY, MIDDLE EAR       | 205                 | 120           | 85            | 50               | 25            | 25            |
| LARYNX                         | 1,180               | 960           | 220           | 335              | 255           | 80            |
| LUNG & BRONCHUS                | 18,825              | 10,750        | 8,135         | 14,110           | 8,050         | 6,060         |
| PLEURA                         | 300                 | 255           | 45            | 40               | 30            | 10            |
| <b>BONES &amp; JOINTS</b>      | 305                 | 170           | 135           | 120              | 65            | 55            |
| <b>SOFT TISSUE</b>             | 805                 | 465           | 340           | 405              | 215           | 190           |
| <b>MELANOMAS-SKIN</b>          | 3,750               | 2,130         | 1,620         | 760              | 490           | 270           |
| <b>OTHER NON-EPITHELIAL</b>    | 2,010               | 1,805         | 205           | 215              | 150           | 65            |
| <b>BREAST</b>                  | 20,120              | 130           | 19,990        | 4,370            | 25            | 4,345         |
| <b>FEMALE GENITAL SYSTEM</b>   | 8,965               | 0             | 8,965         | 2,715            | 0             | 2,715         |
| CERVIX UTERI                   | 1,960               | 0             | 1,960         | 515              | 0             | 515           |
| CORPUS UTERI                   | 3,625               | 0             | 3,625         | 300              | 0             | 300           |
| UTERUS, NOS <sup>2</sup>       | 65                  | 0             | 65            | 335              | 0             | 335           |
| OVARY                          | 2,780               | 0             | 2,780         | 1,440            | 0             | 1,440         |
| VAGINA                         | 120                 | 0             | 120           | 35               | 0             | 35            |
| VULVA                          | 285                 | 0             | 285           | 65               | 0             | 65            |
| <b>MALE GENITAL SYSTEM</b>     | 25,950              | 25,950        | 0             | 3,535            | 3,535         | 0             |
| PROSTATE GLAND                 | 24,855              | 24,855        | 0             | 3,470            | 3,470         | 0             |
| TESTIS                         | 945                 | 945           | 0             | 45               | 45            | 0             |
| PENIS                          | 105                 | 105           | 0             | 20               | 20            | 0             |
| <b>URINARY SYSTEM</b>          | 6,370               | 4,440         | 1,970         | 2,085            | 1,180         | 705           |

|                        |       |       |       |       |       |       |
|------------------------|-------|-------|-------|-------|-------|-------|
| BLADDER                | 3,425 | 2,560 | 865   | 1,050 | 740   | 310   |
| KIDNEY & RENAL PELVIS  | 2,720 | 1,700 | 1,020 | 990   | 620   | 170   |
| URETER                 | 150   | 95    | 55    | 30    | 15    | 15    |
| EYE & ORBIT            | 250   | 145   | 105   | 25    | 15    | 10    |
| BRAIN & NERVOUS SYSTEM | 2,010 | 1,100 | 910   | 1,320 | 735   | 585   |
| THYROID GLAND          | 1,780 | 465   | 1,315 | 125   | 35    | 90    |
| OTHER ENDOCRINE        | 195   | 125   | 70    | 95    | 40    | 55    |
| HODGKIN'S DISEASE      | 880   | 495   | 385   | 180   | 110   | 70    |
| NON-HODGKIN'S LYMPHOMA | 5,145 | 3,000 | 2,145 | 2,100 | 1,130 | 970   |
| MULTIPLE MYELOMA       | 1,305 | 715   | 590   | 915   | 455   | 460   |
| LEUKEMIAS              | 3,250 | 1,870 | 1,380 | 2,140 | 1,230 | 910   |
| LYMPHOCYTIC            | 1,340 | 775   | 565   | 625   | 360   | 265   |
| ACUTE LYMPHOCYTIC      | 555   | 330   | 225   | 215   | 120   | 95    |
| CHRONIC LYMPHOCYTIC    | 760   | 430   | 330   | 365   | 215   | 150   |
| MYELOID                | 1,460 | 815   | 645   | 935   | 550   | 385   |
| ACUTE MYELOID          | 930   | 505   | 425   | 635   | 375   | 260   |
| CHRONIC MYELOID        | 450   | 265   | 185   | 265   | 155   | 110   |
| MONOCYTIC              | 80    | 50    | 30    | 35    | 20    | 15    |
| ACUTE MONOCYTIC        | 70    | 40    | 30    | 25    | 15    | 10    |
| CHRONIC MONOCYTIC      | 5     | 5     | 0     | 0     | 0     | 0     |
| ILL-DEFINED SITES      | 4,010 | 1,990 | 2,025 | 3,375 | 1,680 | 1,695 |

Note: the estimates of new cancer cases are offered as a rough guide and should not be regarded as definitive. <sup>1</sup> Carcinoma in situ and non-melanoma skin cancers are not included in totals. <sup>2</sup> NOS = not otherwise specified. Incidence and mortality estimates are based on rates from the California Cancer Registry 1988-92. These counts will differ slightly from ACS National estimates, which are based on rates from the NCI Seer Program. Source: California Cancer Registry, CDHS

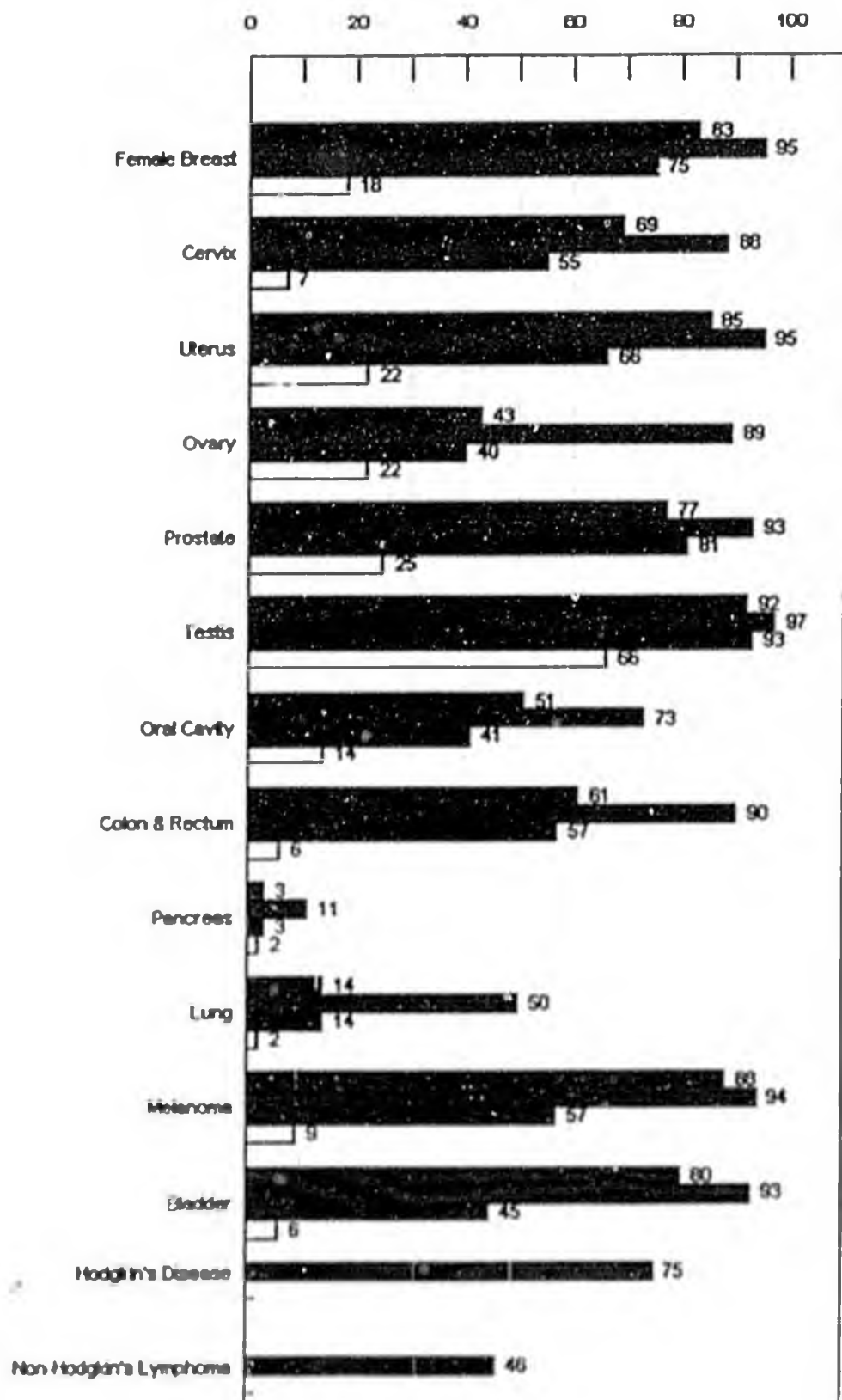
---

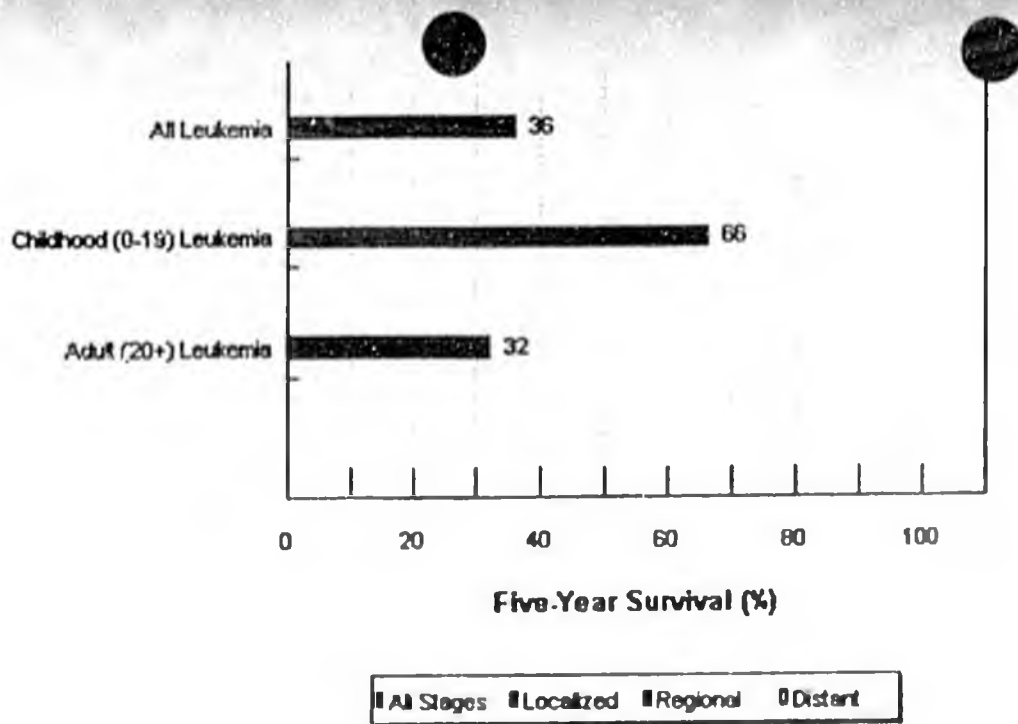
## 1996 CALIFORNIA CANCER FACTS AND FIGURES

[ [Previous page](#) | [Top of this page](#) | [Next page](#) | [Contents](#) ]

---

# Five-Year Relative Cancer Survival Rates by Stage for Selected Sites, Northern California, 1983-1990





Source: SEER Bay Area Cancer Registry, Northern California Cancer Center

---

1996 CALIFORNIA CANCER FACTS AND FIGURES

[ [Previous page](#) | [Top of this page](#) | [Next page](#) | [Contents](#) ]

---

# Estimated New California Cancer Cases for All Sites <sup>1</sup> Plus Major Sites by County - 1996

---

Table may take some time to load.



*NOTE: For counties with 15 or fewer cases or deaths, only the total number of cases from all sites is shown.*  
*Source: California Cancer Registry, CDHS*

---

1996 CALIFORNIA CANCER FACTS AND FIGURES

[ [Previous page](#) | [Top of this page](#) | [Next page](#) | [Contents](#) ]

---

# Percent of Cancer Cases Diagnosed at Early Stage

Table may take a while to load.  
 A [text-based version](#) is also available.

For State of California and the 15 Most Populous Counties, by Race and Sex - 1992

| BREAST - FEMALES |                    |                      |                  |                      |                       |                      |               |                      |
|------------------|--------------------|----------------------|------------------|----------------------|-----------------------|----------------------|---------------|----------------------|
|                  | Non-Hispanic White |                      | African American |                      | Hispanic <sup>1</sup> |                      | Asian & Other |                      |
|                  | Total Cases        | % Early <sup>2</sup> | Total Cases      | % Early <sup>2</sup> | Total Cases           | % Early <sup>2</sup> | Total Cases   | % Early <sup>2</sup> |
| CALIFORNIA       | 16,105             | 69%                  | 1,103            | 59%                  | 1,979                 | 58%                  | 1,148         | 66%                  |
| Alameda          | 647                | 68%                  | 126              | 70%                  | 55                    | 71%                  | 83            | 64%                  |
| Contra Costa     | 589                | 74%                  | 50               | 46%                  | 40                    | 55%                  | 44            | 75%                  |
| Fresno           | 304                | 67%                  | x                | x                    | 65                    | 66%                  | x             | x                    |
| Kern             | 245                | 64%                  | x                | x                    | 19                    | 53%                  | x             | x                    |
| Los Angeles      | 3,634              | 69%                  | 533              | 57%                  | 805                   | 58%                  | 411           | 65%                  |
| Orange           | 1,548              | 66%                  | x                | x                    | 137                   | 58%                  | 83            | 73%                  |
| Riverside        | 755                | 69%                  | x                | x                    | 68                    | 49%                  | x             | x                    |
| Sacramento       | 676                | 68%                  | 57               | 61%                  | 39                    | 59%                  | 36            | 67%                  |
| San Bernardino   | 566                | 68%                  | 45               | 69%                  | 108                   | 50%                  | 22            | 50%                  |
| San Diego        | 1,579              | 68%                  | 67               | 55%                  | 138                   | 54%                  | 76            | 62%                  |
| San Francisco    | 371                | 73%                  | 59               | 54%                  | 52                    | 71%                  | 103           | 77%                  |
| Santa Clara      | 793                | 69%                  | 28               | 64%                  | 87                    | 69%                  | 87            | 68%                  |
| San Joaquin      | 252                | 71%                  | x                | x                    | 33                    | 58%                  | x             | x                    |
| San Mateo        | 454                | 70%                  | 15               | 53%                  | 35                    | 67%                  | 63            | 68%                  |
| Ventura          | 376                | 73%                  | x                | x                    | 43                    | 63%                  | 19            | 58%                  |

| PROSTATE - MALES |                    |                      |                  |                      |                       |                      |               |                      |
|------------------|--------------------|----------------------|------------------|----------------------|-----------------------|----------------------|---------------|----------------------|
|                  | Non-Hispanic White |                      | African American |                      | Hispanic <sup>1</sup> |                      | Asian & Other |                      |
|                  | Total Cases        | % Early <sup>2</sup> | Total Cases      | % Early <sup>2</sup> | Total Cases           | % Early <sup>2</sup> | Total Cases   | % Early <sup>2</sup> |
| CALIFORNIA       | 17,377             | 65%                  | 1,540            | 58%                  | 1,770                 | 60%                  | 779           | 58%                  |
| Alameda          | 528                | 59%                  | 139              | 58%                  | 51                    | 57%                  | 47            | 43%                  |
| Contra Costa     | 534                | 62%                  | 58               | 60%                  | 29                    | 45%                  | x             | x                    |
| Fresno           | 381                | 54%                  | 24               | 50%                  | 75                    | 59%                  | x             | x                    |
| Kern             | 260                | 65%                  | 21               | 52%                  | 33                    | 55%                  | x             | x                    |
| Los Angeles      | 4,181              | 68%                  | 800              | 59%                  | 679                   | 65%                  | 273           | 65%                  |
| Orange           | 1,479              | 65%                  | 16               | 81%                  | 105                   | 58%                  | 49            | 61%                  |
| Riverside        | 1,071              | 71%                  | 31               | 71%                  | 91                    | 62%                  | x             | x                    |
| Sacramento       | 708                | 64%                  | 69               | 58%                  | 42                    | 60%                  | 23            | 57%                  |
| San Bernardino   | 628                | 72%                  | 54               | 52%                  | 83                    | 61%                  | x             | x                    |
| San Diego        | 1,887              | 68%                  | 61               | 48%                  | 117                   | 59%                  | 62            | 60%                  |
| San Francisco    | 381                | 65%                  | 99               | 57%                  | 46                    | 67%                  | 84            | 54%                  |
| Santa Clara      | 711                | 59%                  | 24               | 67%                  | 74                    | 55%                  | 59            | 58%                  |
| San Joaquin      | 224                | 64%                  | 16               | 44%                  | 22                    | 59%                  | 15            | 20%                  |
| San Mateo        | 426                | 67%                  | 23               | 52%                  | 23                    | 52%                  | 35            | 49%                  |
| Ventura          | 432                | 66%                  | x                | x                    | 47                    | 57%                  | 19            | 63%                  |

### COLORECTAL - MALES

|                   | Non-Hispanic White |                      | African American |                      | Hispanic <sup>1</sup> |                      | Asian & Other |                      |
|-------------------|--------------------|----------------------|------------------|----------------------|-----------------------|----------------------|---------------|----------------------|
|                   | Total Cases        | % Early <sup>2</sup> | Total Cases      | % Early <sup>2</sup> | Total Cases           | % Early <sup>2</sup> | Total Cases   | % Early <sup>2</sup> |
| <b>CALIFORNIA</b> | 5,761              | 42%                  | 442              | 36%                  | 646                   | 41%                  | 525           | 37%                  |
| Alameda           | 210                | 40%                  | 64               | 30%                  | 33                    | 27%                  | 30            | 57%                  |
| Contra Costa      | 176                | 47%                  | 16               | 31%                  | 17                    | 52%                  | x             | x                    |
| Fresno            | 111                | 32%                  | x                | x                    | 30                    | 50%                  | x             | x                    |
| Kern              | 97                 | 46%                  | x                | x                    | 19                    | 37%                  | x             | x                    |
| Los Angeles       | 1,394              | 43%                  | 211              | 36%                  | 215                   | 38%                  | 187           | 39%                  |
| Orange            | 463                | 43%                  | x                | x                    | 38                    | 34%                  | 35            | 43%                  |
| Riverside         | 295                | 42%                  | x                | x                    | 21                    | 57%                  | x             | x                    |
| Sacramento        | 221                | 38%                  | x                | x                    | x                     | x                    | x             | x                    |
| San Bernardino    | 230                | 41%                  | 21               | 24%                  | 41                    | 29%                  | x             | x                    |
| San Diego         | 544                | 48%                  | 25               | 48%                  | 43                    | 53%                  | 28            | 39%                  |
| San Francisco     | 144                | 38%                  | 24               | 25%                  | 21                    | 38%                  | 64            | 34%                  |
| Santa Clara       | 223                | 44%                  | x                | x                    | 31                    | 48%                  | 41            | 34%                  |
| San Joaquin       | 98                 | 53%                  | x                | x                    | 15                    | 60%                  | x             | x                    |
| San Mateo         | 158                | 37%                  | x                | x                    | x                     | x                    | 27            | 26%                  |
| Ventura           | 147                | 42%                  | x                | x                    | x                     | x                    | x             | x                    |

### COLORECTAL - FEMALES

|                   | Non-Hispanic White |                      | African American |                      | Hispanic <sup>1</sup> |                      | Asian & Other |                      |
|-------------------|--------------------|----------------------|------------------|----------------------|-----------------------|----------------------|---------------|----------------------|
|                   | Total Cases        | % Early <sup>2</sup> | Total Cases      | % Early <sup>2</sup> | Total Cases           | % Early <sup>2</sup> | Total Cases   | % Early <sup>2</sup> |
| <b>CALIFORNIA</b> | 5,371              | 40%                  | 454              | 36%                  | 561                   | 35%                  | 429           | 35%                  |
| Alameda           | 201                | 37%                  | 54               | 22%                  | 19                    | 11%                  | 23            | 43%                  |
| Contra Costa      | 159                | 38%                  | x                | x                    | x                     | x                    | x             | x                    |
| Fresno            | 120                | 43%                  | x                | x                    | 20                    | 30%                  | x             | x                    |
| Kern              | 87                 | 43%                  | x                | x                    | x                     | x                    | x             | x                    |
| Los Angeles       | 1,218              | 41%                  | 237              | 42%                  | 224                   | 36%                  | 162           | 40%                  |
| Orange            | 489                | 41%                  | x                | x                    | 41                    | 49%                  | 28            | 39%                  |
| Riverside         | 283                | 36%                  | x                | x                    | 21                    | 29%                  | x             | x                    |
| Sacramento        | 203                | 34%                  | 20               | 40%                  | x                     | x                    | x             | x                    |
| San Bernardino    | 230                | 34%                  | 18               | 33%                  | 34                    | 32%                  | x             | x                    |
| San Diego         | 493                | 42%                  | 18               | 39%                  | 41                    | 32%                  | 20            | 25%                  |
| San Francisco     | 137                | 39%                  | 22               | 23%                  | 19                    | 21%                  | 63            | 25%                  |
| Santa Clara       | 260                | 36%                  | x                | x                    | 34                    | 44%                  | 37            | 27%                  |
| San Joaquin       | 94                 | 46%                  | x                | x                    | x                     | x                    | x             | x                    |
| San Mateo         | 152                | 34%                  | x                | x                    | x                     | x                    | 19            | 16%                  |
| Ventura           | 116                | 41%                  | x                | x                    | x                     | x                    | x             | x                    |

## CERVIX UTERI - FEMALES

|                   | Non-Hispanic White |                      | African American |                      | Hispanic <sup>1</sup> |                      | Asian & Other |                      |
|-------------------|--------------------|----------------------|------------------|----------------------|-----------------------|----------------------|---------------|----------------------|
|                   | Total Cases        | % Early <sup>1</sup> | Total Cases      | % Early <sup>1</sup> | Total Cases           | % Early <sup>1</sup> | Total Cases   | % Early <sup>1</sup> |
| <b>CALIFORNIA</b> | 4,611              | 91%                  | 598              | 86%                  | 2,294                 | 87%                  | 587           | 82%                  |
| Alameda           | 241                | 93%                  | 76               | 74%                  | 61                    | 93%                  | 47            | 89%                  |
| Contra Costa      | 157                | 92%                  | 28               | 86%                  | 18                    | 94%                  | x             | x                    |
| Fresno            | 88                 | 90%                  | x                | x                    | 71                    | 90%                  | x             | x                    |
| Kern              | 91                 | 84%                  | x                | x                    | 52                    | 88%                  | x             | x                    |
| Los Angeles       | 1,025              | 92%                  | 260              | 87%                  | 1,059                 | 87%                  | 216           | 81%                  |
| Orange            | 399                | 93%                  | x                | x                    | 173                   | 86%                  | 62            | 79%                  |
| Riverside         | 226                | 90%                  | 24               | 96%                  | 84                    | 85%                  | x             | x                    |
| Sacramento        | 222                | 94%                  | 30               | 87%                  | 34                    | 88%                  | 17            | 88%                  |
| San Bernardino    | 234                | 93%                  | 27               | 89%                  | 110                   | 89%                  | x             | x                    |
| San Diego         | 366                | 91%                  | 28               | 79%                  | 103                   | 82%                  | 34            | 74%                  |
| San Francisco     | 101                | 91%                  | 28               | 89%                  | 40                    | 88%                  | 33            | 70%                  |
| Santa Clara       | 205                | 94%                  | x                | x                    | 114                   | 91%                  | 62            | 79%                  |
| San Joaquin       | 69                 | 88%                  | x                | x                    | 30                    | 90%                  | x             | x                    |
| San Mateo         | 97                 | 96%                  | x                | x                    | 49                    | 86%                  | 18            | 94%                  |
| Ventura           | 103                | 90%                  | x                | x                    | 50                    | 86%                  | x             | x                    |

## MELANOMA - MALES

|                   | Non-Hispanic White |                      | African American |                      | Hispanic <sup>1</sup> |                      | Asian & Other |                      |
|-------------------|--------------------|----------------------|------------------|----------------------|-----------------------|----------------------|---------------|----------------------|
|                   | Total Cases        | % Early <sup>1</sup> | Total Cases      | % Early <sup>1</sup> | Total Cases           | % Early <sup>1</sup> | Total Cases   | % Early <sup>1</sup> |
| <b>CALIFORNIA</b> | 2,350              | 86%                  | x                | x                    | 71                    | 79%                  | x             | x                    |
| Alameda           | 100                | 80%                  | x                | x                    | x                     | x                    | x             | x                    |
| Contra Costa      | 83                 | 84%                  | x                | x                    | x                     | x                    | x             | x                    |
| Fresno            | 42                 | 83%                  | x                | x                    | x                     | x                    | x             | x                    |
| Kern              | 33                 | 85%                  | x                | x                    | x                     | x                    | x             | x                    |
| Los Angeles       | 528                | 87%                  | x                | x                    | 22                    | 82%                  | x             | x                    |
| Orange            | 198                | 86%                  | x                | x                    | x                     | x                    | x             | x                    |
| Riverside         | 115                | 82%                  | x                | x                    | x                     | x                    | x             | x                    |
| Sacramento        | 160                | 96%                  | x                | x                    | x                     | x                    | x             | x                    |
| San Bernardino    | 87                 | 80%                  | x                | x                    | x                     | x                    | x             | x                    |
| San Diego         | 236                | 83%                  | x                | x                    | x                     | x                    | x             | x                    |
| San Francisco     | 62                 | 85%                  | x                | x                    | x                     | x                    | x             | x                    |
| Santa Clara & x   | 108                | 90%                  | x                | x                    | x                     | x                    | x             | x                    |
| San Joaquin       | 22                 | 73%                  | x                | x                    | x                     | x                    | x             | x                    |
| San Mateo         | 67                 | 87%                  | x                | x                    | x                     | x                    | x             | x                    |
| Ventura           | 53                 | 72%                  | x                | x                    | x                     | x                    | x             | x                    |

## MELANOMA – FEMALES

|                   | Non-Hispanic White |                      | African American |                      | Hispanic <sup>1</sup> |                      | Asian & Other |                      |
|-------------------|--------------------|----------------------|------------------|----------------------|-----------------------|----------------------|---------------|----------------------|
|                   | Total Cases        | % Early <sup>2</sup> | Total Cases      | % Early <sup>2</sup> | Total Cases           | % Early <sup>2</sup> | Total Cases   | % Early <sup>2</sup> |
| <b>CALIFORNIA</b> | <b>1,703</b>       | <b>92%</b>           | x                | x                    | <b>108</b>            | <b>84%</b>           | <b>21</b>     | <b>90%</b>           |
| Alameda           | 87                 | 87%                  | x                | x                    | x                     | x                    | x             | x                    |
| Contra Costa      | 62                 | 94%                  | x                | x                    | x                     | x                    | x             | x                    |
| Fresno            | 37                 | 92%                  | x                | x                    | x                     | x                    | x             | x                    |
| Kern              | 29                 | 86%                  | x                | -                    | x                     | x                    | x             | x                    |
| Los Angeles       | 401                | 93%                  | x                | x                    | 40                    | 78%                  | x             | x                    |
| Orange            | 125                | 93%                  | x                | x                    | x                     | x                    | x             | x                    |
| Riverside         | 63                 | 94%                  | x                | x                    | x                     | x                    | x             | x                    |
| Sacramento        | 130                | 92%                  | x                | x                    | x                     | x                    | x             | x                    |
| San Bernardino    | 71                 | 87%                  | x                | x                    | x                     | x                    | x             | x                    |
| San Diego         | 162                | 92%                  | x                | x                    | x                     | x                    | x             | x                    |
| San Francisco     | 45                 | 89%                  | x                | x                    | x                     | x                    | x             | x                    |
| Santa Clara       | 68                 | 90%                  | x                | x                    | x                     | x                    | x             | x                    |
| San Joaquin       | 21                 | 90%                  | x                | x                    | x                     | x                    | x             | x                    |
| San Mateo         | 44                 | 93%                  | x                | x                    | x                     | x                    | x             | x                    |
| Ventura           | 32                 | 88%                  | x                | x                    | x                     | x                    | x             | x                    |

<sup>1</sup> Early is in situ and local cancer.

<sup>2</sup> Hispanic ethnicity is based on medical record and/or Hispanic surname.

An x denotes fewer than 15 cases.

These 15 counties represent 80% of state's population.

Note: The numbers in this table are actual cases for 1992 whereas the numbers on page 6 are the estimated cases for 1996 for all races combined.

Source: California Cancer Registry, CDHS

1996 CALIFORNIA CANCER FACTS AND FIGURES

[ [Previous page](#) | [Top of this page](#) | [Next page](#) | [Contents](#) ]

# CALIFORNIA FACTS & FIGURES 1997

THE AMERICAN CANCER SOCIETY (ACS) IS THE NATIONWIDE COMMUNITY-BASED VOLUNTARY HEALTH ORGANIZATION DEDICATED TO ELIMINATING CANCER AS A MAJOR HEALTH PROBLEM BY PREVENTING CANCER, SAVING LIVES FROM CANCER, AND DIMINISHING SUFFERING FROM CANCER THROUGH RESEARCH, EDUCATION, ADVOCACY, AND SERVICE.

---

## Contents

---

- PAGE 2 - Introduction
- PAGE 3 - California Basic Cancer Data
- PAGE 4 - Estimated New California Cancer Cases & Deaths
- PAGE 5 - Five-Year Relative Cancer Survival Rates
- PAGE 6 - Estimated New California Cancer Cases by County
- PAGE 7 - Estimated California Cancer Deaths by County
- PAGES 8 & 9 - Percent of Cancer Cases Diagnosed at Early Stage
- PAGE 10 - Common Cancer Sites by Sex and Age
- PAGE 10 - California Cancer by Sex
- PAGE 11 - Common Cancer Sites by Sex and Race/Ethnicity
- PAGE 12 - Cancer Among Diverse Populations
  - PAGE 12 - Children and Cancer in California
  - PAGE 12 - Cancer in the Minorities
- PAGE 13 - Cancer Among Diverse Populations (Continued)
  - PAGE 13 - Ten Leading Causes of Cancer in Minorities
- PAGE 14 - Breast Cancer Information
- PAGE 14 - Prostate Cancer Information
- PAGE 15 - Estimating Cancer Statistics
- PAGE 15 - Costs of Cancer
- PAGE 16 - Cancer Prevention and Detection Guidelines
- PAGES 17 and 18 - Actions Taken by Californians
  - PAGE 17 - Breast Cancer
  - PAGE 17 - Cervical Cancer
  - PAGE 18 - Colorectal and Prostate Cancers
  - PAGE 18 - Lung Cancer
- PAGE 19 - Mission 2000
- PAGES 20 to 23 - Major Cancer Sites
- PAGES 24 and 25 - Advances in Cancer
- PAGE 26 - American Cancer Society, California Division Profile
- PAGE 27 - Cancer Research
  - Clinical Trials
  - American Cancer Society Research Program
  - Major Areas of Funding - 1994
- PAGE 28 - Who's Who in California Research
- PAGES 29 to 31 - Community Resources

- PAGE 29 - Cancer Centers
- PAGE 29 - Community Clinical Oncology Program (CCOP)
- PAGE 29 - Clinical Trials Cooperative Groups
- PAGE 30 - American College of Surgeons Approved Hospitals
- PAGE 31 - Regional Cancer Registries
- PAGE 31 - American Cancer Society Programs
- American Cancer Society, California Regions and Units

---

© 1997 American Cancer Society, California Division, Inc. All rights reserved, including the right to reproduce this publication or portions thereof in any form. However, figures and tables produced by the California Department of Health Services, California Cancer Registry may be reproduced without permission. For written permission, address the American Cancer Society, California Division, 1710 Webster Street, Suite 210, Oakland, CA 94612.

---

*Concept, design, and original coding of the hypertext version of this publication were created by Audrey Yuen and Tom McClure. 1997 formatting, updated figures and graphics were created by Jason Tokunaga.*

---

# California Basic Cancer Data

---

## ***What is cancer?***

Cancer is a large group of diseases characterized by uncontrolled growth and spread of abnormal cells. If the spread is not controlled or checked, it results in death. However, many cancers can be cured if detected and treated promptly, and many others can be prevented by lifestyle changes, especially avoidance of tobacco.

## ***Who gets cancer?***

Cancer strikes at any age. It kills more children aged 1 to 14 in California than any other disease. Among adults it occurs more frequently with advancing age. In the 1980s, there were 447,181 cancer deaths in California, an estimated 900,000 new cancer cases and an estimated 1.2 million people under medical care for cancer.

## ***How many people alive today will get cancer?***

About 14 million Californians now living will eventually have cancer; about two in five (44%), according to present rates. Over the years, cancer will strike in approximately three of four families. Even if incidence rates remain constant, the number of new cases will continue to grow as the California population increases due to migration and to aging.

## ***How many people alive today have ever had cancer?***

There are over one million Californians alive today who have a history of cancer, 425,000 diagnosed five or more years ago. Most of these 425,000 can be considered cured, while others still have evidence of cancer. By "cured" it is meant that a patient has no evidence of disease and has the same life expectancy as a person who never had cancer.

The decision as to when a patient may be considered cured is made by the physician after examining the individual patient. For most forms of cancer, five years without symptoms following treatment is the accepted time. Nevertheless, some patients can be considered cured after one year and others after three years, but some have to be observed much longer than five years.

## ***How many new cases will there be this year?***

In 1997, about 131,920 Californians will be diagnosed as having cancer. This estimate does not include non-melanoma skin cancer and carcinoma in situ for sites other than bladder. This is equivalent to almost 15 new cases every hour of every day. Cancer rates in California are lower than the national average - that's the good news.

## ***How many people are surviving cancer?***

In the early 1900s, few cancer patients had any hope of long-term survival. In the 1930s, less

than one in five was alive at least five years after treatment. In the 1940s it was one in four, and in the 1960s it was one in three.

Today, about 74,000 Californians who get cancer this year will be alive five years after diagnosis. When normal life expectancy is taken into consideration (factors such as dying of heart disease, accidents and diseases of old age), a "relative" five-year survival rate of 56 percent is seen for all cancers. The relative survival rate is commonly used to measure progress in the early detection and treatment of cancer and estimates the proportion of cancer patients potentially curable.

### ***How many people will die?***

In 1997 about 53,610 people will die of the disease - about 147 people a day. Of every four deaths from all causes in California, one is from cancer.

### ***Could more people be saved?***

All cancers caused by tobacco and heavy use of alcohol can be prevented completely. The American Cancer Society (ACS) estimates that in 1997 over 17,000 lives will be lost to cancer in California because of tobacco use. About 1,710 cancer deaths will be related to excessive alcohol use, frequently in combination with tobacco use. Regular screening and self-exams can detect cancers of the breast, tongue, mouth, colon, rectum, cervix, prostate, testis, and melanoma of the skin at an early stage when treatment is more likely to be successful. These sites include nearly half of all new cases. Of these cases, about two-thirds of all patients currently survive. Of those persons diagnosed with these cancers in 1997, nearly 18,500 more would survive if their cancers had been detected in a localized stage and treated promptly.

### ***How is cancer treated?***

Cancer is treated by surgery, radiation therapy, radioactive substances, chemicals, hormones, immunotherapy and bone-marrow transplantation.

### ***Cancer and other diseases***

While there is little information available on the incidence of other diseases, mortality data are available for all causes of death. In California, cancer is the second leading cause of death, accounting for 23.0% of all deaths in 1994 versus heart disease, the leading cause, which accounted for 30.7%. The distant third leading cause of death was stroke, 7.0%, followed by lung disease (COPD) which accounted for 4.9%, pneumonia/influenza, which accounted for 4.6%, and accidents which accounted for another 4.1%. Rounding out the top 10 causes of death were AIDS, 3.0%; diabetes, 2.2%; homicide, 1.7%; and suicide, 1.7%.

# Estimated New California Cancer Cases and Deaths by Site and Sex (All Races Combined) 1997<sup>1</sup>

Table may take a while to load.

File is also available as Excel 4.0® and Lotus 1-2-3® spreadsheets. Each file is roughly 11KB.

A text-based version (6KB) is also available.

| Site                     | ESTIMATED NEW CASES |        |         | ESTIMATED DEATHS |        |         |
|--------------------------|---------------------|--------|---------|------------------|--------|---------|
|                          | Both Sexes          | Males  | Females | Both Sexes       | Males  | Females |
| All Sites Combined       | 134,920             | 70,220 | 61,700  | 53,610           | 27,305 | 26,305  |
| Oral Cavity & Pharynx    | 3,290               | 2,155  | 1,135   | 895              | 565    | 330     |
| Digestive System         | 24,075              | 12,710 | 11,365  | 12,965           | 6,965  | 6,000   |
| Esophagus                | 1,130               | 825    | 305     | 1,045            | 805    | 240     |
| Stomach                  | 2,630               | 1,605  | 1,025   | 1,600            | 960    | 640     |
| Small Intestine          | 440                 | 260    | 180     | 115              | 65     | 50      |
| Colon                    | 10,150              | 4,945  | 5,205   | 4,565            | 2,200  | 2,365   |
| Rectum & Rectosigmoid    | 4,005               | 2,170  | 1,835   | 920              | 490    | 430     |
| Anus, Canal & Anorectum  | 380                 | 165    | 215     | 50               | 20     | 30      |
| Liver                    | 1,140               | 785    | 355     | 1,060            | 730    | 330     |
| Intrahepatic Bile Duct   | 195                 | 90     | 105     | 230              | 115    | 115     |
| Gallbladder              | 340                 | 85     | 255     | 215              | 55     | 160     |
| Other Biliary            | 390                 | 195    | 195     | 195              | 100    | 95      |
| Pancreas                 | 2,945               | 1,440  | 1,505   | 2,845            | 1,375  | 1,470   |
| Retroperitoneum          | 120                 | 65     | 55      | 35               | 15     | 20      |
| Respiratory System       | 19,600              | 11,325 | 8,275   | 14,755           | 8,425  | 6,330   |
| Nasal Cavity, Middle Ear | 195                 | 95     | 100     | 45               | 30     | 15      |
| Larynx                   | 1,060               | 855    | 205     | 315              | 230    | 85      |
| Lungs & Bronchus         | 18,010              | 10,105 | 7,905   | 14,315           | 8,110  | 6,205   |
| Pleura                   | 265                 | 215    | 50      | 40               | 30     | 10      |
| Bones & Joints           | 260                 | 150    | 110     | 110              | 60     | 50      |
| Soft Tissue              | 785                 | 430    | 355     | 415              | 180    | 235     |
| Melanomas-Skin           | 3,655               | 2,065  | 1,590   | 815              | 515    | 300     |
| Other Non-Epithelial     | 1,765               | 1,565  | 200     | 225              | 150    | 75      |
| Breast                   | 19,005              | 140    | 18,865  | 4,645            | 40     | 4,605   |
| Female Genital System    | 8,560               | 0      | 8,560   | 2,755            | 0      | 2,755   |
| Cervix Uteri             | 1,805               | 0      | 1,805   | 490              | 0      | 490     |
| Corpus Uteri             | 3,525               | 0      | 3,525   | 325              | 0      | 325     |

|                                   |               |               |              |              |              |              |
|-----------------------------------|---------------|---------------|--------------|--------------|--------------|--------------|
| Uterus, NOS <sup>1</sup>          | 55            | 0             | 55           | 325          | 0            | 325          |
| Ovary                             | 2,685         | 0             | 2,685        | 1,490        | 0            | 1,490        |
| Vagina                            | 110           | 0             | 110          | 40           | 0            | 40           |
| Vulva                             | 290           | 0             | 290          | 55           | 0            | 55           |
| <b>Male Genital System</b>        | <b>24,220</b> | <b>24,220</b> | <b>0</b>     | <b>3,565</b> | <b>3,565</b> | <b>0</b>     |
| Prostate Gland                    | 23,150        | 23,150        | 0            | 3,475        | 3,475        | 0            |
| Testis                            | 920           | 920           | 0            | 70           | 70           | 0            |
| Penis                             | 115           | 115           | 0            | 15           | 15           | 0            |
| <b>Urinary System</b>             | <b>8,365</b>  | <b>5,895</b>  | <b>2,470</b> | <b>2,240</b> | <b>1,440</b> | <b>800</b>   |
| Bladder                           | 5,450         | 4,080         | 1,370        | 1,140        | 760          | 380          |
| Kidney & Renal Pelvis             | 2,660         | 1,665         | 995          | 1,055        | 655          | 400          |
| Ureter                            | 180           | 105           | 75           | 35           | 20           | 15           |
| <b>Eye &amp; Orbit</b>            | <b>220</b>    | <b>115</b>    | <b>105</b>   | <b>35</b>    | <b>15</b>    | <b>20</b>    |
| <b>Brain &amp; Nervous System</b> | <b>1,960</b>  | <b>1,085</b>  | <b>875</b>   | <b>1,350</b> | <b>765</b>   | <b>585</b>   |
| Thyroid Gland                     | 1,635         | 450           | 1,185        | 110          | 35           | 75           |
| Other Endocrine                   | 180           | 95            | 85           | 105          | 55           | 50           |
| Hodgkin's Disease                 | 815           | 450           | 365          | 160          | 85           | 75           |
| Non-Hodgkin's Lymphoma            | 4,955         | 2,915         | 2,040        | 2,140        | 1,130        | 1,010        |
| Multiple Myeloma                  | 1,305         | 710           | 595          | 950          | 500          | 450          |
| <b>Leukemias</b>                  | <b>3,235</b>  | <b>1,840</b>  | <b>1,395</b> | <b>1,990</b> | <b>1,130</b> | <b>860</b>   |
| Lymphocytic                       | 1,380         | 785           | 595          | 550          | 320          | 230          |
| Acute Lymphocytic                 | 555           | 300           | 255          | 170          | 95           | 75           |
| Chronic Lymphocytic               | 780           | 455           | 325          | 335          | 200          | 135          |
| Myeloid                           | 1,390         | 775           | 615          | 880          | 500          | 380          |
| Acute Myeloid                     | 895           | 480           | 415          | 625          | 350          | 275          |
| Chronic Myeloid                   | 410           | 240           | 170          | 230          | 135          | 95           |
| Monocytic                         | 85            | 55            | 30           | 20           | 5            | 15           |
| Acute Monocytic                   | 80            | 50            | 30           | 15           | 5            | 10           |
| Chronic Monocytic                 | 5             | 5             | 0            | 0            | 0            | 0            |
| <b>III Defined Sites</b>          | <b>4,035</b>  | <b>1,900</b>  | <b>2,135</b> | <b>3,380</b> | <b>1,685</b> | <b>1,695</b> |

Note: the estimates of new cancer cases and deaths are offered as a rough guide and should not be regarded as definitive.

<sup>1</sup> Excludes non-melanoma skin cancers and carcinoma *in situ* except bladder.

<sup>2</sup> NOS = not otherwise specified.

Incidence and mortality estimates are based on rates from the California Cancer Registry 1988-93. These counts will differ slightly from ACS National estimates, which are based on rates from the NCI SEER Program.

Source: California Cancer Registry, CDHS

# Five-Year Relative Cancer Survival Rates by Stage for Selected Sites, Northern California, 1986-1991

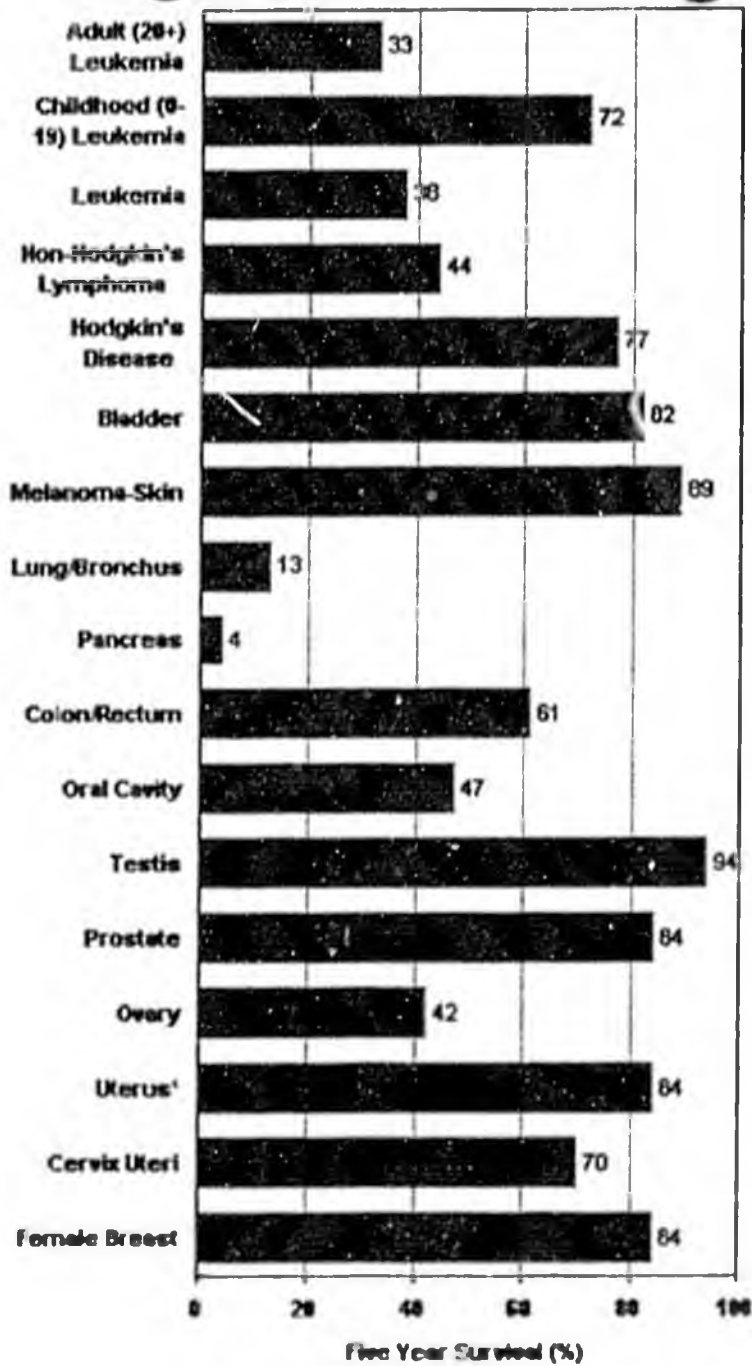
Table may take a while to load.

File is also available as Excel 4.0® and Lotus 1-2-3® spreadsheets. Each file is roughly 7 KB. A text-based version (2KB) is also available.

## Five-Year Relative Survival (%) By Stage at Diagnosis

| Cancer Type               | All Stages | Localized | Regional | Distant |
|---------------------------|------------|-----------|----------|---------|
| Female Breast             | 84         | 96        | 77       | 21      |
| Cervix Uteri              | 70         | 91        | 58       | 8       |
| Uterus <sup>1</sup>       | 84         | 96        | 64       | 20      |
| Ovary                     | 42         | 88        | 43       | 24      |
| Prostate                  | 84         | 98        | 92       | 29      |
| Testis                    | 94         | 97        | 97       | 70      |
| Oral Cavity               | 47         | 75        | 43       | 15      |
| Colon/Rectum              | 61         | 92        | 60       | 7       |
| Pancreas                  | 4          | 14        | 3        | 2       |
| Lung/Bronchus             | 13         | 53        | 16       | 2       |
| Melanoma-Skin             | 89         | 95        | 65       | 15      |
| Bladder                   | 82         | 95        | 47       | 5       |
| Hodgkin's Disease         | 77         | •         | •        | •       |
| Non-Hodgkin's Lymphoma    | 44         | •         | •        | •       |
| Leukemia                  | 38         | •         | •        | •       |
| Childhood (0-19) Leukemia | 72         | •         | •        | •       |
| Adult (20+) Leukemia      | 33         | •         | •        | •       |

## Five-Year Relative Survival All Stages Combined



Source: SEER Bay Area Cancer Registry, Northern California Cancer Center  
 \* Uterus includes Corpus Uteri and Uterus, NOS

# Estimated New California Cancer Cases for All Sites <sup>1</sup> Plus Major Sites by County - 1997

Table may take a while to load.

File is also available as Excel 4.0® and Lotus 1-2-3® spreadsheets. Each file is roughly 15 KB.

| CANCER CASES |           |          |        |       |                |         |                     |       |          |      |          |          |
|--------------|-----------|----------|--------|-------|----------------|---------|---------------------|-------|----------|------|----------|----------|
|              | All Sites | Prostate | Breast | Lung  | Colon & Rectum | Bladder | Uterus <sup>1</sup> | NHL   | Melanoma | Oral | Leukemia | Pancreas |
| Alameda      | 5,600     | 920      | 805    | 730   | 630            | 245     | 215                 | 250   | 140      | 160  | 120      | 125      |
| Alpine       | 0         | •        | •      | •     | •              | •       | •                   | •     | •        | •    | •        | •        |
| Amador       | 225       | 40       | 30     | 35    | 20             | 5       | 10                  | 10    | 10       | 5    | 5        | 5        |
| Butte        | 1,180     | 210      | 160    | 195   | 130            | 55      | 45                  | 40    | 25       | 30   | 30       | 30       |
| Calaveras    | 270       | 50       | 40     | 40    | 30             | 10      | 10                  | 10    | 10       | 5    | 5        | 10       |
| Colusa       | 75        | 15       | 10     | 10    | 10             | 5       | 5                   | 0     | 0        | 0    | 0        | 0        |
| Contra Costa | 3,945     | 650      | 565    | 515   | 470            | 170     | 155                 | 175   | 100      | 115  | 85       | 85       |
| Del Norte    | 145       | 25       | 20     | 25    | 20             | 5       | 5                   | 0     | 0        | 0    | 0        | 0        |
| El Dorado    | 760       | 135      | 110    | 120   | 80             | 30      | 30                  | 30    | 25       | 20   | 15       | 20       |
| Fresno       | 2,825     | 500      | 375    | 425   | 305            | 125     | 115                 | 85    | 90       | 70   | 90       | 65       |
| Glenn        | 125       | 20       | 15     | 20    | 10             | 5       | 5                   | 0     | 0        | 0    | 0        | 0        |
| Humboldt     | 590       | 105      | 80     | 95    | 70             | 30      | 25                  | 20    | 15       | 15   | 15       | 15       |
| Imperial     | 430       | 80       | 60     | 55    | 45             | 20      | 15                  | 15    | 15       | 10   | 10       | 10       |
| Inyo         | 110       | 20       | 15     | 15    | 10             | 5       | 5                   | 0     | 0        | 0    | 0        | 0        |
| Kern         | 2,220     | 390      | 295    | 335   | 240            | 95      | 90                  | 70    | 70       | 55   | 75       | 50       |
| Kings        | 345       | 60       | 45     | 50    | 35             | 15      | 15                  | 10    | 10       | 10   | 10       | 10       |
| Lake         | 500       | 90       | 65     | 85    | 60             | 25      | 20                  | 20    | 10       | 15   | 15       | 10       |
| Lassen       | 55        | 10       | 5      | 10    | 10             | 0       | 0                   | 0     | 0        | 0    | 0        | 0        |
| Los Angeles  | 33,950    | 5,800    | 4,870  | 4,345 | 3,655          | 1,175   | 1,535               | 1,330 | 785      | 795  | 865      | 795      |
| Madera       | 370       | 65       | 50     | 55    | 40             | 20      | 15                  | 10    | 10       | 10   | 10       | 10       |
| Marin        | 1,290     | 210      | 185    | 170   | 145            | 55      | 50                  | 60    | 35       | 35   | 25       | 30       |
| Mariposa     | 90        | 15       | 10     | 15    | 10             | 5       | 5                   | 0     | 0        | 0    | 0        | 0        |
| Mendocino    | 425       | 75       | 55     | 65    | 50             | 20      | 15                  | 10    | 10       | 10   | 10       | 10       |
| Merced       | 785       | 140      | 105    | 115   | 85             | 30      | 30                  | 25    | 25       | 20   | 25       | 20       |
| Modoc        | 20        | 5        | 5      | 0     | 0              | 0       | 0                   | 0     | 0        | 0    | 0        | 0        |
| Mono         | 15        | •        | •      | •     | •              | •       | •                   | •     | •        | •    | •        | •        |
| Monterey     | 1,445     | 220      | 225    | 180   | 160            | 80      | 55                  | 55    | 45       | 35   | 35       | 30       |
| Napa         | 690       | 125      | 90     | 110   | 80             | 35      | 25                  | 20    | 15       | 15   | 15       | 20       |
| Nevada       | 530       | 95       | 75     | 85    | 55             | 20      | 20                  | 20    | 15       | 15   | 15       | 10       |
| Orange       | 10,505    | 1,910    | 1,700  | 1,355 | 1,090          | 400     | 410                 | 385   | 370      | 270  | 305      | 215      |
| Placer       | 1,005     | 180      | 145    | 155   | 105            | 40      | 40                  | 40    | 35       | 25   | 20       | 20       |
| Plumas       | 85        | 15       | 10     | 15    | 10             | 5       | 5                   | 0     | 0        | 0    | 0        | 0        |
| Riverside    | 6,570     | 1,220    | 930    | 955   | 705            | 335     | 265                 | 210   | 190      | 160  | 145      | 140      |
| Sacramento   | 5,265     | 945      | 755    | 810   | 555            | 195     | 195                 | 200   | 175      | 140  | 115      | 120      |
| San Benito   | 150       | 25       | 25     | 20    | 20             | 5       | 5                   | 10    | 0        | 0    | 0        | 0        |

|                 |        |       |       |       |       |     |     |     |     |     |     |     |
|-----------------|--------|-------|-------|-------|-------|-----|-----|-----|-----|-----|-----|-----|
| San Bernardino  | 5,500  | 1,025 | 780   | 885   | 595   | 285 | 220 | 180 | 155 | 125 | 120 |     |
| San Diego       | 11,565 | 2,140 | 1,650 | 1,590 | 1,180 | 500 | 465 | 445 | 350 | 280 | 270 | 225 |
| San Francisco   | 4,615  | 760   | 665   | 605   | 520   | 205 | 180 | 205 | 115 | 130 | 100 | 105 |
| San Joaquin     | 2,115  | 380   | 300   | 325   | 220   | 80  | 80  | 80  | 70  | 55  | 45  | 45  |
| San Luis Obispo | 1,190  | 225   | 185   | 165   | 135   | 45  | 45  | 35  | 35  | 25  | 30  | 30  |
| San Mateo       | 3,410  | 560   | 490   | 445   | 380   | 150 | 130 | 135 | 85  | 95  | 70  | 75  |
| Santa Barbara   | 1,755  | 335   | 275   | 245   | 200   | 70  | 70  | 55  | 55  | 40  | 45  | 50  |
| Santa Clara     | 5,855  | 895   | 920   | 730   | 650   | 330 | 230 | 235 | 175 | 135 | 145 | 130 |
| Santa Cruz      | 915    | 140   | 145   | 110   | 100   | 55  | 35  | 35  | 30  | 20  | 20  | 20  |
| Shasta          | 950    | 170   | 125   | 155   | 105   | 45  | 35  | 30  | 25  | 25  | 25  | 25  |
| Sierra          | 20     | 5     | 0     | 0     | 0     | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| Siskiyou        | 235    | 45    | 30    | 40    | 30    | 15  | 10  | 10  | 5   | 5   | 10  | 10  |
| Solano          | 1,485  | 265   | 210   | 230   | 155   | 55  | 55  | 55  | 50  | 40  | 30  | 35  |
| Sonoma          | 2,010  | 355   | 270   | 325   | 225   | 95  | 80  | 70  | 50  | 55  | 50  | 50  |
| Stanislaus      | 1,725  | 305   | 230   | 260   | 185   | 75  | 70  | 55  | 55  | 45  | 55  | 40  |
| Sutter          | 345    | 60    | 50    | 50    | 35    | 15  | 15  | 10  | 10  | 10  | 10  | 10  |
| Tehama          | 275    | 50    | 35    | 45    | 30    | 15  | 10  | 10  | 10  | 10  | 10  | 10  |
| Trinity         | 85     | 15    | 10    | 15    | 10    | 5   | 5   | 0   | 0   | 0   | 0   | 0   |
| Tulare          | 1,285  | 225   | 170   | 195   | 140   | 55  | 55  | 40  | 45  | 30  | 40  | 30  |
| Tuolumne        | 330    | 60    | 45    | 50    | 35    | 15  | 15  | 10  | 10  | 10  | 10  | 10  |
| Ventura         | 2,680  | 510   | 420   | 370   | 300   | 105 | 105 | 80  | 80  | 65  | 65  | 75  |
| Yolo            | 635    | 115   | 90    | 95    | 65    | 25  | 25  | 25  | 20  | 15  | 15  | 15  |
| Yuba            | 355    | 65    | 50    | 55    | 40    | 15  | 15  | 10  | 10  | 10  | 10  | 10  |

<sup>a</sup> Estimates to the nearest five cases. Excludes non-melanoma skin cancer and carcinoma in situ except bladder. These estimates are offered as a rough guide and should not be regarded as definitive.

<sup>b</sup> Includes cervix uteri, corpus uteri, and uterus not otherwise specified.

• For counties with 15 or fewer cases or deaths, only the total number of cases for all sites is shown.

Source: California Cancer Registry, CDHS

# Percent of Cancer Cases Diagnosed at Early Stage

Table may take a while to load.

File is also available as Excel 4.0® and Lotus 1-2-3® spreadsheets. Each file is roughly 20 KB.

## For State of California and the 15 Most Populous Counties, by Race/Ethnicity and Sex - 1993

### BREAST - FEMALES

|                   | Non-Hispanic White |         | African American |         | Hispanic    |         | Asian & Other |         |
|-------------------|--------------------|---------|------------------|---------|-------------|---------|---------------|---------|
|                   | Total Cases        | % Early | Total Cases      | % Early | Total Cases | % Early | Total Cases   | % Early |
| <b>CALIFORNIA</b> | 15,585             | 68%     | 1,101            | 61%     | 1,991       | 59%     | 1,157         | 69%     |
| Alameda           | 575                | 71%     | 125              | 63%     | 73          | 64%     | 76            | 75%     |
| Contra Costa      | 587                | 71%     | 31               | 61%     | 37          | 68%     | 46            | 78%     |
| Fresno            | 318                | 65%     | .                | .       | 52          | 56%     | .             | .       |
| Kern              | 245                | 60%     | .                | .       | 22          | 59%     | .             | .       |
| Los Angeles       | 3,523              | 68%     | 547              | 61%     | 756         | 57%     | 401           | 67%     |
| Orange            | 1,510              | 68%     | 16               | 63%     | 126         | 59%     | 97            | 70%     |
| Riverside         | 788                | 71%     | 21               | 57%     | 87          | 60%     | .             | .       |
| Sacramento        | 598                | 72%     | 56               | 61%     | 56          | 80%     | 39            | 67%     |
| San Bernardino    | 595                | 66%     | 44               | 61%     | 123         | 51%     | 19            | 58%     |
| San Diego         | 1,499              | 67%     | 56               | 45%     | 143         | 61%     | 69            | 64%     |
| San Francisco     | 329                | 72%     | 68               | 65%     | 42          | 67%     | 116           | 70%     |
| Santa Clara       | 766                | 69%     | 18               | 44%     | 100         | 55%     | 103           | 64%     |
| San Joaquin       | 241                | 67%     | 18               | 67%     | 29          | 72%     | .             | .       |
| San Mateo         | 426                | 70%     | 17               | 65%     | 33          | 61%     | 56            | 75%     |
| Ventura           | 388                | 66%     | .                | .       | 46          | 67%     | .             | .       |

### PROSTATE - MALES

|                   | Non-Hispanic White |         | African American |         | Hispanic    |         | Asian & Other |         |
|-------------------|--------------------|---------|------------------|---------|-------------|---------|---------------|---------|
|                   | Total Cases        | % Early | Total Cases      | % Early | Total Cases | % Early | Total Cases   | % Early |
| <b>CALIFORNIA</b> | 15,136             | 64%     | 1,629            | 60%     | 1,925       | 58%     | 882           | 59%     |
| Alameda           | 497                | 65%     | 174              | 51%     | 62          | 58%     | 51            | 61%     |
| Contra Costa      | 456                | 65%     | 57               | 63%     | 22          | 46%     | 22            | 68%     |
| Fresno            | 301                | 55%     | 39               | 54%     | 58          | 48%     | 18            | 72%     |
| Kern              | 216                | 54%     | .                | .       | 29          | 41%     | .             | .       |
| Los Angeles       | 3,407              | 68%     | 810              | 62%     | 743         | 63%     | 297           | 61%     |
| Orange            | 1,385              | 69%     | 21               | 71%     | 136         | 65%     | 53            | 70%     |
| Riverside         | 907                | 71%     | 47               | 81%     | 83          | 52%     | .             | .       |

|                |       |     |     |     |     |     |     |     |
|----------------|-------|-----|-----|-----|-----|-----|-----|-----|
| Sacramento     | 629   | 65% | 61  | 57% | 46  | 41% | 10  | 63% |
| San Bernardino | 594   | 71% | 54  | 61% | 96  | 60% | 17  | 71% |
| San Diego      | 1,566 | 67% | 71  | 62% | 126 | 61% | 63  | 49% |
| San Francisco  | 310   | 64% | 104 | 64% | 61  | 54% | 112 | 63% |
| Santa Clara    | 575   | 61% | 26  | 62% | 76  | 50% | 61  | 57% |
| San Joaquin    | 209   | 62% | .   | .   | 24  | 58% | 15  | 40% |
| San Mateo      | 397   | 63% | 31  | 68% | 35  | 63% | 37  | 49% |
| Ventura        | 385   | 59% | .   | .   | 48  | 52% | .   | .   |

### COLORECTAL - MALES

|                   | Non-Hispanic White |                      | African American |                      | Hispanic <sup>1</sup> |                      | Asian & Other |                      |
|-------------------|--------------------|----------------------|------------------|----------------------|-----------------------|----------------------|---------------|----------------------|
|                   | Total Cases        | % Early <sup>2</sup> | Total Cases      | % Early <sup>2</sup> | Total Cases           | % Early <sup>2</sup> | Total Cases   | % Early <sup>2</sup> |
| <b>CALIFORNIA</b> | 5,477              | 42%                  | 444              | 36%                  | 628                   | 37%                  | 505           | 36%                  |
| Alameda           | 195                | 32%                  | 47               | 26%                  | 21                    | 43%                  | 33            | 15%                  |
| Contra Costa      | 178                | 37%                  | 16               | 31%                  | 15                    | 53%                  | .             | .                    |
| Fresno            | 116                | 31%                  | .                | .                    | 20                    | 25%                  | .             | .                    |
| Kern              | 90                 | 39%                  | .                | .                    | .                     | .                    | .             | .                    |
| Los Angeles       | 1,246              | 44%                  | 205              | 37%                  | 250                   | 38%                  | 174           | 34%                  |
| Orange            | 459                | 44%                  | .                | .                    | 31                    | 55%                  | 27            | 44%                  |
| Riverside         | 305                | 39%                  | 23               | 39%                  | 26                    | 31%                  | .             | .                    |
| Sacramento        | 195                | 31%                  | 16               | 38%                  | .                     | .                    | 22            | 36%                  |
| San Bernardino    | 241                | 45%                  | 21               | 19%                  | 31                    | 48%                  | .             | .                    |
| San Diego         | 485                | 44%                  | 21               | 62%                  | 25                    | 32%                  | 29            | 38%                  |
| San Francisco     | 128                | 51%                  | 30               | 33%                  | 16                    | 25%                  | 62            | 34%                  |
| Santa Clara       | 221                | 40%                  | .                | .                    | 32                    | 31%                  | 43            | 42%                  |
| San Joaquin       | 93                 | 54%                  | .                | .                    | 29                    | 41%                  | .             | .                    |
| San Mateo         | 165                | 40%                  | .                | .                    | .                     | .                    | 28            | 46%                  |
| Ventura           | 137                | 45%                  | .                | .                    | .                     | .                    | .             | .                    |

### COLORECTAL - FEMALES

|                   | Non-Hispanic White |                      | African American |                      | Hispanic <sup>1</sup> |                      | Asian & Other |                      |
|-------------------|--------------------|----------------------|------------------|----------------------|-----------------------|----------------------|---------------|----------------------|
|                   | Total Cases        | % Early <sup>2</sup> | Total Cases      | % Early <sup>2</sup> | Total Cases           | % Early <sup>2</sup> | Total Cases   | % Early <sup>2</sup> |
| <b>CALIFORNIA</b> | 5,426              | 38%                  | 487              | 37%                  | 593                   | 36%                  | 421           | 37%                  |
| Alameda           | 206                | 37%                  | 61               | 26%                  | 21                    | 43%                  | 33            | 33%                  |
| Contra Costa      | 155                | 39%                  | .                | .                    | .                     | .                    | .             | .                    |
| Fresno            | 116                | 32%                  | .                | .                    | 22                    | 18%                  | .             | .                    |
| Kern              | 64                 | 31%                  | .                | .                    | .                     | .                    | .             | .                    |
| Los Angeles       | 1,252              | 38%                  | 249              | 37%                  | 224                   | 34%                  | 140           | 39%                  |
| Orange            | 453                | 36%                  | .                | .                    | 43                    | 40%                  | 27            | 30%                  |
| Riverside         | 272                | 41%                  | .                | .                    | 23                    | 39%                  | .             | .                    |
| Sacramento        | 205                | 30%                  | 15               | 33%                  | .                     | .                    | .             | .                    |
| San Bernardino    | 231                | 37%                  | 21               | 43%                  | 25                    | 28%                  | .             | .                    |
| San Diego         | 504                | 43%                  | 25               | 40%                  | 44                    | 36%                  | 35            | 34%                  |
| San Francisco     | 147                | 36%                  | 26               | 39%                  | 16                    | 56%                  | 67            | 37%                  |

|             |     |     |   |   |    |     |    |     |
|-------------|-----|-----|---|---|----|-----|----|-----|
| Santa Clara | 265 | 37% | . | . | 35 | 40% | .  | 31% |
| San Joaquin | 87  | 47% | . | . | .  | .   | .  | .   |
| San Mateo   | 147 | 35% | . | . | .  | .   | 19 | 37% |
| Ventura     | 126 | 43% | . | . | 18 | 22% | .  | .   |

### CERVIX UTERI - FEMALES

|                   | Non-Hispanic White |                      | African American |                      | Hispanic <sup>1</sup> |                      | Asian & Other |                      |
|-------------------|--------------------|----------------------|------------------|----------------------|-----------------------|----------------------|---------------|----------------------|
|                   | Total Cases        | % Early <sup>2</sup> | Total Cases      | % Early <sup>2</sup> | Total Cases           | % Early <sup>2</sup> | Total Cases   | % Early <sup>2</sup> |
| <b>CALIFORNIA</b> | 4,295              | 92%                  | 634              | 90%                  | 2,391                 | 89%                  | 677           | 85%                  |
| Alameda           | 225                | 95%                  | 60               | 92%                  | 59                    | 95%                  | 54            | 89%                  |
| Contra Costa      | 150                | 92%                  | 19               | 90%                  | 30                    | 97%                  | .             | .                    |
| Fresno            | 81                 | 95%                  | .                | .                    | 111                   | 87%                  | .             | .                    |
| Kern              | 86                 | 88%                  | 15               | 93%                  | 58                    | 91%                  | .             | .                    |
| Los Angeles       | 1,031              | 92%                  | 298              | 88%                  | 1,097                 | 89%                  | 235           | 84%                  |
| Orange            | 440                | 94%                  | .                | .                    | 160                   | 87%                  | 68            | 87%                  |
| Riverside         | 212                | 88%                  | 27               | 100%                 | 103                   | 87%                  | .             | .                    |
| Sacramento        | 235                | 91%                  | 37               | 95%                  | 33                    | 100%                 | 23            | 100%                 |
| San Bernardino    | 223                | 91%                  | 44               | 98%                  | 138                   | 86%                  | .             | .                    |
| San Diego         | 328                | 91%                  | 33               | 88%                  | 118                   | 85%                  | 67            | 84%                  |
| San Francisco     | 88                 | 93%                  | 31               | 90%                  | 36                    | 89%                  | 46            | 78%                  |
| Santa Clara       | 186                | 94%                  | .                | .                    | 118                   | 96%                  | 54            | 93%                  |
| San Joaquin       | 70                 | 96%                  | .                | .                    | 32                    | 91%                  | .             | .                    |
| San Mateo         | 112                | 93%                  | .                | .                    | 50                    | 82%                  | 22            | 91%                  |
| Ventura           | 88                 | 96%                  | .                | .                    | 22                    | 86%                  | .             | .                    |

### MELANOMA - MALES

|                   | Non-Hispanic White |                      | African American |                      | Hispanic <sup>1</sup> |                      | Asian & Other |                      |
|-------------------|--------------------|----------------------|------------------|----------------------|-----------------------|----------------------|---------------|----------------------|
|                   | Total Cases        | % Early <sup>2</sup> | Total Cases      | % Early <sup>2</sup> | Total Cases           | % Early <sup>2</sup> | Total Cases   | % Early <sup>2</sup> |
| <b>CALIFORNIA</b> | 2,351              | 87%                  | .                | .                    | 81                    | 73%                  | .             | .                    |
| Alameda           | 101                | 93%                  | .                | .                    | .                     | .                    | .             | .                    |
| Contra Costa      | 90                 | 90%                  | .                | .                    | .                     | .                    | .             | .                    |
| Fresno            | 56                 | 80%                  | .                | .                    | .                     | .                    | .             | .                    |
| Kern              | 45                 | 82%                  | .                | .                    | .                     | .                    | .             | .                    |
| Los Angeles       | 521                | 90%                  | .                | .                    | 35                    | 69%                  | .             | .                    |
| Orange            | 186                | 85%                  | .                | .                    | .                     | .                    | .             | .                    |
| Riverside         | 109                | 78%                  | .                | .                    | .                     | .                    | .             | .                    |
| Sacramento        | 159                | 94%                  | .                | .                    | .                     | .                    | .             | .                    |
| San Bernardino    | 90                 | 86%                  | .                | .                    | .                     | .                    | .             | .                    |
| San Diego         | 260                | 87%                  | .                | .                    | .                     | .                    | .             | .                    |
| San Francisco     | 56                 | 93%                  | .                | .                    | .                     | .                    | .             | .                    |
| Santa Clara       | 100                | 90%                  | .                | .                    | .                     | .                    | .             | .                    |
| San Joaquin       | 29                 | 90%                  | .                | .                    | .                     | .                    | .             | .                    |
| San Mateo         | 60                 | 88%                  | .                | .                    | .                     | .                    | .             | .                    |
| Ventura           | 47                 | 72%                  | .                | .                    | .                     | .                    | .             | .                    |

## MELANOMA - FEMALES

|                   | Non-Hispanic White |                      | African American |                      | Hispanic <sup>1</sup> |                      | Asian & Other |                      |
|-------------------|--------------------|----------------------|------------------|----------------------|-----------------------|----------------------|---------------|----------------------|
|                   | Total Cases        | % Early <sup>2</sup> | Total Cases      | % Early <sup>2</sup> | Total Cases           | % Early <sup>2</sup> | Total Cases   | % Early <sup>2</sup> |
| <b>CALIFORNIA</b> | 1,711              | 89%                  | •                | •                    | 113                   | 89%                  | •             | •                    |
| Alameda           | 77                 | 90%                  | •                | •                    | •                     | •                    | •             | •                    |
| Contra Costa      | 46                 | 89%                  | •                | •                    | •                     | •                    | •             | •                    |
| Fresno            | 39                 | 90%                  | •                | •                    | •                     | •                    | •             | •                    |
| Kern              | 39                 | 85%                  | •                | •                    | •                     | •                    | •             | •                    |
| Los Angeles       | 387                | 92%                  | •                | •                    | 31                    | 81%                  | •             | •                    |
| Orange            | 162                | 87%                  | •                | •                    | •                     | •                    | •             | •                    |
| Riverside         | 58                 | 78%                  | •                | •                    | •                     | •                    | •             | •                    |
| Sacramento        | 108                | 96%                  | •                | •                    | •                     | •                    | •             | •                    |
| San Bernardino    | 70                 | 87%                  | •                | •                    | •                     | •                    | •             | •                    |
| San Diego         | 160                | 89%                  | •                | •                    | •                     | •                    | •             | •                    |
| San Francisco     | 45                 | 91%                  | •                | •                    | •                     | •                    | •             | •                    |
| Santa Clara       | 69                 | 88%                  | •                | •                    | •                     | •                    | •             | •                    |
| San Joaquin       | 21                 | 86%                  | •                | •                    | •                     | •                    | •             | •                    |
| San Mateo         | 47                 | 92%                  | •                | •                    | •                     | •                    | •             | •                    |
| Ventura           | 25                 | 92%                  | •                | •                    | •                     | •                    | •             | •                    |

<sup>1</sup> Early is *in situ* and localized cancer.

<sup>2</sup> Hispanic ethnicity is based on medical record and/or Hispanic surname.

• Fewer than 15 cases.

These 15 counties represent approx. 80% of state's population.

Note: The numbers in this table are actual cases for 1993 whereas the numbers on [page 6](#) are the estimated cases for 1997 for all races combined.

Source: California Cancer Registry, CDHS