



# Health Issues

## Community Goals:

*By the Year 2004, Santa Cruz County residents will have access to primary medical and dental care.*

**Community Hero:** *Jerri Ross, Santa Cruz County Health Care Outreach Coalition*

*By the Year 2004, Santa Cruz County youth alcohol and other drug use will be at or below the statewide average.*

**Community Hero:** *Jaime Molina, County Mental Health Services*

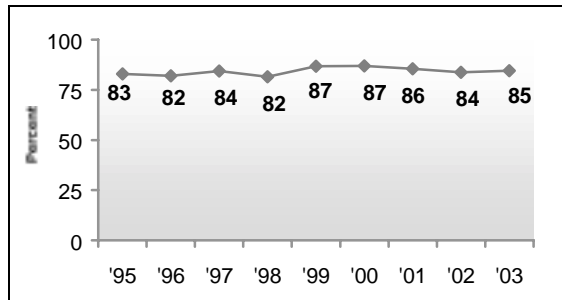
*By the Year 2004, Santa Cruz County residents over age 60 will live healthy and independent lives.*

**Community Hero:** *Jinny Corneliussen, Jack Farr, and Theresa Kramer, Alzheimer's Association of Santa Cruz Volunteers*

# A Summary of Santa Cruz County's Health Issues, 2004

Over the past ten years, most of the health indicators show improving health status for the people of Santa Cruz County. Over the past ten years, the percentage of County residents with health insurance increased from 74.8% in 1995 to 81.1% in 2003. Most County residents (84.6%) had a regular source of health care in 2003, a slight increase since 1995. Eighty-eight percent were able to obtain health care when needed in 2003 while in 1995, 83.9% of residents reported the same. However, differences in health insurance coverage exist between certain County groups. Latinos, South County residents, those between the ages of 18 to 24 and 25 to 44, and those with incomes below \$35,000 annually were less likely to have health insurance coverage in 2003. While Latinos have shown a significant increase in health insurance coverage since 1998, rising from 50.5% to 71.8% in 2002, only 58.1% of Latinos reported having health insurance in 2003.

## Primary Health Care



✓ Percent of respondents reporting that they have a regular source of health care.

Healthy Families enrollment has increased by over 300% from 1999 to 2004. In 1999, there were 1,023 children enrolled in the low-cost health insurance program while there were 4,314 children enrolled in 2004.

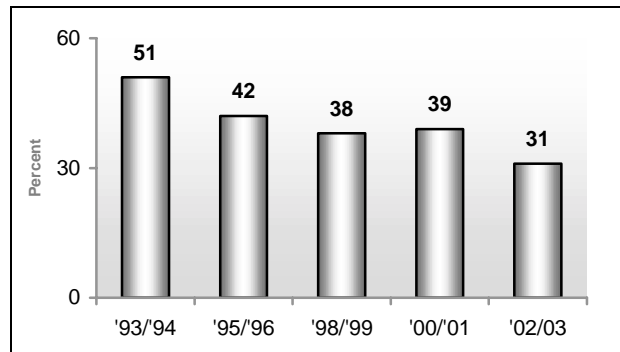
Seventy-two percent of respondents in 2003 had additional health insurance coverage for dental care compared with 63.2% in 1995. When asked “How long has it been since you last visited a dentist, hygienist, or orthodontist?,” the greatest percentage of respondents

(60.7%) in 2003 answered “one to six months.” Most of those respondents had been for a routine check-up or cleaning. Data from the 2001 California Health Interview Survey show 23% of the children ages 2-11 in the County are without dental insurance.

From 1994 to 2002, the percentage of Santa Cruz County 7<sup>th</sup>, 9<sup>th</sup> and 11<sup>th</sup> grade students reporting drinking alcohol, smoking marijuana and using psychedelics in the past 30 days decreased. However, the self-reported use of alcohol and marijuana in the past 30 days among students in Santa Cruz County has consistently been higher than that for California students. In 2002, 25.0% of County 11<sup>th</sup> graders reported using marijuana in the past 30 days while 19.8% of California 11<sup>th</sup> graders reported the same. Over the past ten years, at least one-third of Santa Cruz County residents felt that using marijuana for recreational purposes was “acceptable.” The most common reason given for this acceptance was that Santa Cruz is a “liberal/tolerant” community.



### Student Alcohol and Drug Use

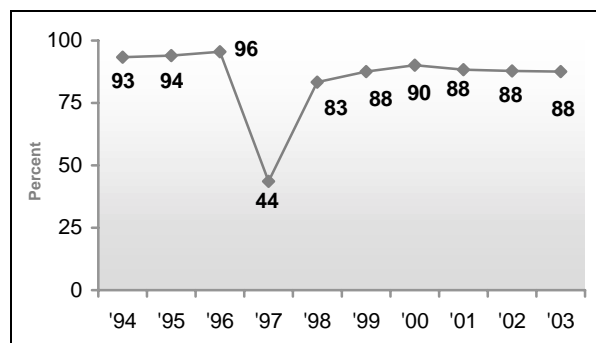


✓ Percent of 9<sup>th</sup> graders reporting use of alcohol in the last 30 days.

Student tobacco use has decreased notably from 1994 to 2002. In 1994, 65.0% of 9<sup>th</sup> grade and 64.0% of 11<sup>th</sup> grade student reported having ever used cigarettes; in 2002, the percentage of 9<sup>th</sup> graders reporting the same was 31.0% and the percentage of 11<sup>th</sup> graders having ever used cigarettes was down to 40.0%.

The percentage of children with all required immunizations declined from 1994 to 2003 among child care center entrants (-6.7%) and kindergarten entrants (-6.1%), and increased for seventh grade entrants (5.0%). The County's percentages were all lower than their associated statewide averages by 2003.

### Immunization Levels



✓ Percent of Santa Cruz County kindergarten entrants with all required immunizations  
 Note: reporting requirements changed in 1997.

Diet, exercise, tobacco use and substance abuse reflect life-style choices that can greatly impact health status. The Pediatric Nutrition Surveillance reports that Santa Cruz County has a high percentage of overweight children. In 2002, the County ranked 51<sup>st</sup> (1 being the best) out of California's 66 counties and health jurisdictions for overweight children younger than five years, compared to ranking 37<sup>th</sup> in 2000. For children aged five to less than 20 years, Santa Cruz County ranked 57<sup>th</sup> in 2002, a slight improvement from ranking 63<sup>rd</sup> in 2000. However, Diabetes prevalence is low in the County compared with other areas in the State. In 2001, Santa Cruz County ranked 3<sup>rd</sup> (1 being the best) out of California's counties for diabetes prevalence.

Alcohol continued to be more available in Santa Cruz County compared with the state. From 1995 through 2003, there were more retail alcohol outlets, including places to purchase alcoholic beverages as well as place where alcohol is consumed on the premises, per 1,000 Santa Cruz County residents than for California overall.



Overall, large percentages of Santa Cruz County residents reported their health as "excellent" or "very good" from 1996 through 2003. In 1996, 64.6% of residents indicated their health was "very good" or

“excellent” while in 2003, 66.7% said the same. Since 1999, the percentage of Santa Cruz County residents who exercised five or more days per week increased from 38.2% in 1999 to 45.1% in 2003.

The number of newly diagnosed cases of AIDS decreased dramatically from 41 new cases in 1994 to 17 in 2003. However, cases of Chlamydia and gonorrhea increased during the same time period.

Births to County teens decreased from 1995 to 2003 overall and by every ethnic group. Prenatal care initiated in the first trimester is up for teens and for women of all ages from 1995 through 2003. However, the percentage of babies born at low birth weight increased for all births as well as for births to teens.

The three-year average suicide death rate in Santa Cruz County decreased from 14.9 per 100,000 population in 1992-1994 to 12.0 in

2000-2002. However, the rate of suicides in the County continued to be higher than those of the state. When asked how they would rate their mental health in general, one-third (33.3%) of Santa Cruz County respondents indicated their mental health was excellent in 2003, up from 27.1% in 1996.

While most health indicators for Santa Cruz County residents are improving, clearly many are not, thus highlighting the need to continue to collect, analyze and act upon data such as those in this report.

QUALITY OF LIFE INDICATOR 49

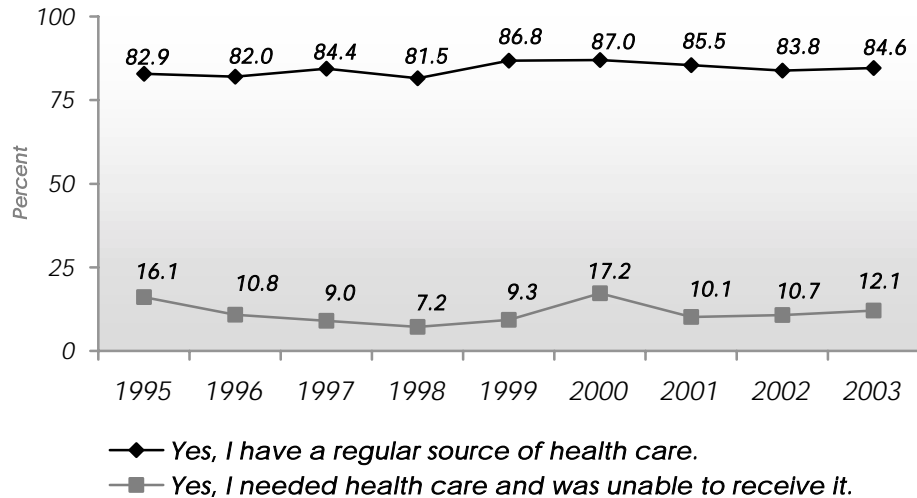
 **Access to Health Care**

Adequate access to primary care allows for prevention or early treatment of disease, and can reduce the need to utilize more expensive sources of care.



*Do you have a regular source of health care?*

*Have you needed health care (including alternative health care) in the past year and been unable to receive it?*



| Total respondents  | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 |
|--|------|------|------|------|------|------|------|------|------|
| Do you have a regular source of health care?               | 350  | 500  | 507  | 513  | 559  | 656  | 706  | 684  | 702  |
| Have you needed health care and been unable to receive it? | 353  | 501  | 509  | 512  | 559  | 658  | 706  | 684  | 703  |

Note: See appendix for results of statistical testing for these questions.

 **New data not available**

*If you have a regular source of health care, where do you go? (Selected responses)<sup>1</sup>*

| Response            | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 |
|---------------------|------|------|------|------|------|------|------|------|
| Private doctor      | 57.1 | 60.7 | 71.8 | 52.7 | 58.5 | 55.3 | 52.8 | 50.8 |
| Medical clinics     | 22.5 | 23.6 | 36.7 | 35.3 | 34.1 | 45.6 | 45.1 | 41.6 |
| HMO                 | 17.2 | NA   | NA   | 3.0  | 1.6  | 17.1 | 10.4 | 7.9  |
| Emergency room      | 2.9  | 10.3 | 12.6 | 0.8  | 1.6  | 14.0 | 10.9 | 5.4  |
| Urgent care clinics | 9.6  | 11.7 | 16.5 | 2.4  | 6.5  | 13.7 | 14.6 | 6.7  |
| Community clinic    | NA   | 7.1  | 5.8  | 6.4  | 6.7  | 9.3  | 4.9  | 6.4  |

Year 2003: 590 respondents offering 742 responses.

*If you needed health care, why couldn't you receive it? (Selected responses)*

| Reason                      | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 |
|-----------------------------|------|------|------|------|------|------|------|------|
| No insurance                | 26.7 | 20.5 | 26.5 | 31.4 | 33.3 | 40.9 | 30.8 | 30.4 |
| Couldn't afford it          | 28.3 | 35.9 | 50.0 | 33.3 | 43.1 | 33.9 | 31.7 | 35.5 |
| Insurance wouldn't cover it | 6.7  | 23.1 | 11.8 | 17.6 | 31.4 | 12.1 | 17.6 | 21.2 |
| MediCal (problems)          | 12.2 | 7.7  | 5.9  | 2.0  | 5.9  | 5.9  | 17.3 | 4.9  |

Year 2003 N= 84.

Source: Santa Cruz Community Assessment Project, Telephone Survey, 2003.

<sup>1</sup>Question was reworded in 1999 to include "alternative health care".

# Access to Health Care

## Community Profile

*Percent of respondents who answered “Yes” to: “Do you have a regular source of health care?”*

| By Ethnicity | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2003 N |
|--------------|------|------|------|------|------|------|--------|
| Caucasian    | 84.4 | 87.6 | 89.6 | 86.3 | 88.4 | 85.6 | 491    |
| Latino       | 71.7 | 80.7 | 79.6 | 81.9 | 70.6 | 80.8 | 157    |

| By Region          | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2003 N |
|--------------------|------|------|------|------|------|------|--------|
| North County       | 82.0 | 86.5 | 86.6 | 83.1 | 85.0 | 86.0 | 236    |
| South County       | 84.4 | 86.7 | 87.2 | 86.4 | 80.3 | 81.6 | 241    |
| San Lorenzo Valley | 81.5 | 90.0 | 89.4 | 89.8 | 89.0 | 87.5 | 225    |

| By Age       | 1998 | 1999 | 2000 | 2001 | 2002 | *2003 | 2003 N |
|--------------|------|------|------|------|------|-------|--------|
| 18-24        | NA   | 69.5 | 80.2 | 75.2 | 65.9 | 76.0  | 109    |
| 25-44        | NA   | 85.6 | 85.2 | 82.4 | 80.2 | 82.4  | 229    |
| 45-64        | NA   | 91.6 | 91.1 | 86.9 | 86.2 | 85.7  | 251    |
| 65 and older | NA   | 96.3 | 91.5 | 92.5 | 94.1 | 94.7  | 113    |

| By Gender | 1998 | 1999 | 2000 | 2001 | 2002 | *2003 | 2003 N |
|-----------|------|------|------|------|------|-------|--------|
| Male      | NA   | 84.4 | 83.3 | 81.5 | 82.9 | 80.1  | 348    |
| Female    | NA   | 88.7 | 89.6 | 89.6 | 84.7 | 89.0  | 354    |

| By Income                 | 1998 | 1999 | 2000 | 2001 | 2002 | *2003 | 2003 N |
|---------------------------|------|------|------|------|------|-------|--------|
| \$34,999 per year or less | NA   | 77.8 | 78.6 | 75.9 | 73.0 | 80.3  | 309    |
| \$35,000 - \$65,499       | NA   | 87.1 | 95.0 | 88.2 | 89.1 | 83.1  | 164    |
| \$65,500 and greater      | NA   | 97.4 | 94.6 | 93.7 | 93.6 | 93.8  | 177    |

Source: Santa Cruz Community Assessment Project, *Telephone Survey*, 2003.

\* Indicates statistically significant survey responses when reporting differences between sub-groups for the 2003 data. Absence of this symbol indicates no statistical significance difference between sub-groups for the 2003 data.

 **New data not available**

### Significance Testing

**Age:** Those *65 and older* were significantly more likely to respond “Yes” than were *18-24 year olds, 25-44 year olds* or *45-64 year olds*.

**Gender:** *Females* were significantly more likely to respond “Yes” than were *males*.

**Income:** Those earning *\$65,000 or more* were significantly more likely to respond “Yes” than were those earning *\$34,999 or less* or those earning *\$35,000 to \$65,499*.

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# Low Income Health Care

Central Coast Alliance for Health (the Alliance) is the local Medi-Cal Managed Care plan. Tracking information on Alliance members, their linkages to primary care providers and their demographics helps to measure the impact of the Alliance on increasing access to primary care for the Medi-Cal population in Santa Cruz County.



## Number of Persons Enrolled by Type of Care Provider

| Type of Care                          | 1997   | 1998   | 1999   | 2000   | 2001   | 2002   | 2003   | 2004   | 97-04 % Change |
|---------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|----------------|
| Clinic                                | 8,048  | 6,700  | 6,422  | 6,364  | 8,243  | 8,994  | 9,503  | 10,800 | 34.2           |
| Private Practice                      | 12,472 | 11,227 | 10,853 | 10,469 | 11,136 | 11,853 | 13,230 | 12,577 | 0.8            |
| Administrative Members (not linked)   | 3,624  | 2,914  | 3,803  | 3,695  | 2,589  | 2,994  | 3,329  | 2,558  | -29.4          |
| Total Alliance Medi-Cal members       | 24,144 | 20,841 | 21,078 | 20,528 | 21,968 | 23,841 | 26,062 | 25,935 | 7.4            |
| Total Medi-Cal recipients County-wide | 27,483 | 24,996 | 23,507 | 21,404 | 25,439 | 26,423 | 26,786 | 32,215 | 17.2           |

## Percent of Enrolled Persons by Ethnic Distribution

| Ethnicity | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 97-04 % Change |
|-----------|------|------|------|------|------|------|------|------|----------------|
| Caucasian | 45   | 45   | 44   | 44   | 40   | 37   | 37   | 38   | -15.6          |
| Hispanic  | 40   | 40   | 42   | 43   | 45   | 50   | 51   | 57   | 42.5           |
| Other     | 15   | 15   | 14   | 13   | 15   | 13   | 12   | 5    | -66.7          |
| Total     | 100  | 100  | 100  | 100  | 100  | 100  | 100  | 100  | -              |

Source: Central Coast Alliance For Health, Santa Cruz County Human Services Agency, 2004.

Note: Data for this table is as of April of each year; this data is for the Alliance's Santa Cruz County Medi-Cal membership only.

# Low Income Health Care


## Regional Distribution of Enrolled Persons by Percent

| Area of Origin            | 1997       | 1998       | 1999       | 2000       | 2001       | 2002       | 2003       | 2004       |
|---------------------------|------------|------------|------------|------------|------------|------------|------------|------------|
| South County <sup>1</sup> | 46         | 46         | 47         | 46         | 47         | 53         | 53         | 53         |
| North County              | 50         | 51         | 50         | 52         | 50         | 44         | 44         | 44         |
| Out of County             | 4          | 3          | 3          | 2          | 3          | 3          | 3          | 3          |
| <b>Total</b>              | <b>100</b> | <b>100</b> | <b>100</b> | <b>100</b> | <b>100</b> | <b>100</b> | <b>100</b> | <b>100</b> |

Source: Central Coast Alliance For Health. Santa Cruz County Human Resources Agency, 2004.

Note: Data for this table is as of April of each year; this data is for the Alliance’s Santa Cruz County Medi-Cal membership only.

<sup>1</sup>South County includes the areas of Freedom and Watsonville. North County includes the areas of Santa Cruz, Scotts Valley, Davenport, Felton, Ben Lomond, Boulder Creek, Brookdale, Aptos, Capitola, and Soquel.

 *Percent of respondents who said they were covered by Medi-Cal.*

| CHIS Data              | Santa Cruz     | California        |
|------------------------|----------------|-------------------|
| Yes                    | 9.1            | 11.6              |
| No                     | 90.9           | 88.4              |
| <b>Estimated Total</b> | <b>186,000</b> | <b>23,847,000</b> |

Source: California Health Interview Survey, 2001.

 **New data not available**

Central Coast Alliance For Health (the Alliance) is the Medi-Cal managed care plan for Santa Cruz and Monterey Counties and a participating health care plan under the Healthy Families Program (a federally and state-funded insurance program for low-income children). Members who are linked to a primary care provider can choose to be linked to a clinic or a physician in private practice.

The Alliance is also the health plan for Medi-Cal recipients who are on CalWorks. Those individuals who don’t qualify for Medi-Cal or the Healthy Families Program, such as indigent adults who are single, not disabled, have no children, and are low income, can receive limited health care coverage through a local County program called Medi-Cruz, which is administered by the County Health Services Agency.

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# Low Income Health Care - Healthy Families

The Healthy Families Program is low cost insurance that provides health, dental and vision coverage to children who do not have insurance and do not qualify for no-cost Medi-Cal.

## Number of Children Enrolled in Healthy Families

|        | 1999    | 2000    | 2001    | 2002    | 2003    | 2004 <sup>1</sup> | 99-04<br>% Change |
|--------|---------|---------|---------|---------|---------|-------------------|-------------------|
| County | 1,023   | 2,231   | 2,814   | 3,635   | 4,276   | 4,314             | 321.7             |
| State  | 132,080 | 279,173 | 432,004 | 562,614 | 658,203 | 673,680           | 410.1             |

## Children Enrolled in Healthy Families by Ethnicity

| Ethnicity                | 1999         | 2000         | 2001         | 2002         | 2003         | 2004 <sup>1</sup> | 99-04<br>% Change |
|--------------------------|--------------|--------------|--------------|--------------|--------------|-------------------|-------------------|
| Caucasian                | 211          | 274          | 329          | 525          | 633          | 586               | 177.7             |
| Hispanic                 | 698          | 1,687        | 2,128        | 2,610        | 3,022        | 3,031             | 334.2             |
| Asian / Pacific Islander | 21           | 32           | 38           | 61           | 76           | 74                | 252.4             |
| African American         | 6            | 11           | 16           | 20           | 30           | 22                | 266.7             |
| Native American          | 0            | 4            | 8            | 11           | 15           | 20                | NA                |
| Not Given / Other        | 87           | 223          | 295          | 11           | 500          | 584               | 571.3             |
| <b>Total</b>             | <b>1,023</b> | <b>2,231</b> | <b>2,814</b> | <b>3,238</b> | <b>4,276</b> | <b>4,317</b>      | <b>322.0</b>      |

Source: Managed Risk Medical Insurance Board, 2004.

<sup>1</sup>2004 data from June. All other data from May of each year.

## Number of Children Enrolled in Healthy Families by Selected Zip Code

| Zip Code                     | May 1999     | May 2000     | May 2001     | May 2002     | Aug. 2003    | June 2004    | 99-04<br>% Change |
|------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|-------------------|
| 95003 — Aptos/ La Selva      | 28           | 49           | 70           | 78           | 109          | 104          | 271.4             |
| 95005 — Ben Lomond           | 17           | 36           | 26           | 38           | 47           | 51           | 200.0             |
| 95006 — Boulder Creek        | 12           | 27           | 27           | 66           | 77           | 67           | 458.3             |
| 95010 — Capitola             | 21           | 31           | 38           | 54           | 86           | 77           | 266.7             |
| 95018 — Felton/ Lompico      | 7            | 14           | 15           | 40           | 47           | 57           | 714.3             |
| 95019 — Freedom              | 56           | 162          | 194          | 262          | 327          | 317          | 466.1             |
| 95060 — Santa Cruz           | 72           | 141          | 258          | 316          | 328          | 303          | 320.8             |
| 95062 — Santa Cruz, Live Oak | 96           | 179          | 255          | 333          | 473          | 456          | 375.0             |
| 95064 — UCSC                 | 11           | 10           | 12           | 16           | 15           | 12           | 9.1               |
| 95065 — Santa Cruz           | 12           | 26           | 47           | 48           | 69           | 71           | 491.7             |
| 95066 — Scotts Valley        | 26           | 31           | 41           | 69           | 82           | 57           | 119.2             |
| 95073 — Soquel               | 19           | 43           | 42           | 70           | 87           | 83           | 336.8             |
| 95076 — Watsonville          | 635          | 1,449        | 2,111        | 2,637        | 3,118        | 2,378        | 274.5             |
| 9 Other Zip Codes            | 11           | 33           | 48           | 64           | 66           | 46           | 318.2             |
| <b>County Total</b>          | <b>1,023</b> | <b>2,231</b> | <b>3,184</b> | <b>4,091</b> | <b>4,385</b> | <b>4,079</b> | <b>298.7</b>      |

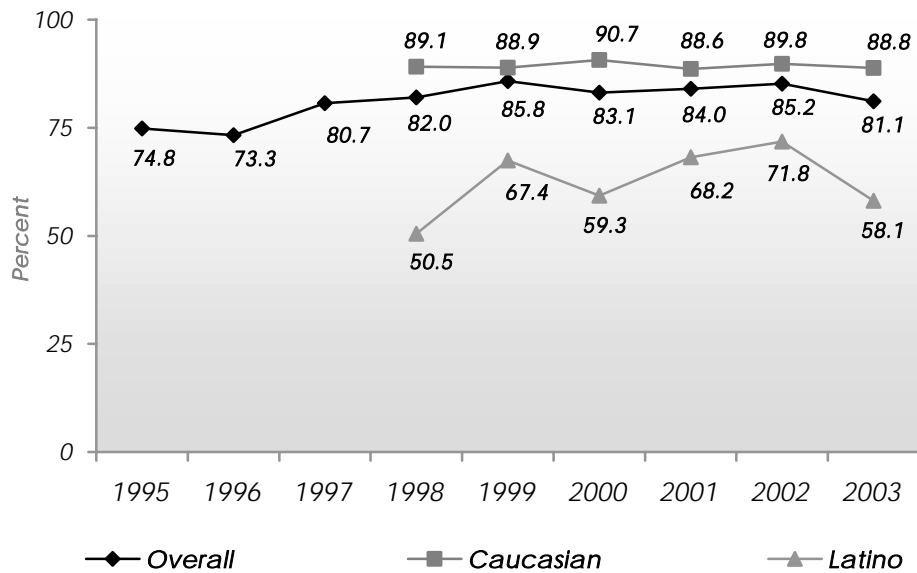
Source: Managed Risk Medical Insurance Board, 2004.

# Health Insurance

Health insurance coverage is one of the best gauges of access to health care. Since 1995, the percent of survey respondents indicating that they have health insurance has increased by more than 8% Countywide.



Do you have health insurance? (Respondents answering “Yes”)



| Total respondents | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 |
|-------------------|------|------|------|------|------|------|------|------|------|
| Overall           | 349  | 501  | 507  | 512  | 558  | 652  | 706  | 684  | 702  |
| Caucasian         | NA   | NA   | NA   | 385  | 425  | 441  | 493  | 478  | 491  |
| Latino            | NA   | NA   | NA   | 92   | 89   | 140  | 159  | 154  | 157  |

Source: Santa Cruz Community Assessment Project, Telephone Survey, 2003.

Note: See appendix for results of statistical testing for this question.

If yes, does your insurance policy cover:

| Type of Coverage | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 |
|------------------|------|------|------|------|------|------|------|------|------|
| Medical care     | 97.7 | 93.1 | 93.4 | 95.0 | 97.3 | 96.7 | 91.4 | 93.9 | 95.4 |
| Dental care      | 63.2 | 63.7 | 69.4 | 74.7 | 75.6 | 53.6 | 63.8 | 67.0 | 71.6 |
| Prescriptions    | 77.0 | 82.5 | 82.4 | 86.8 | 89.0 | 91.5 | 79.4 | 84.9 | 83.3 |
| Long term care   | 61.3 | 61.8 | 42.4 | 47.1 | 43.7 | 19.4 | 27.8 | 25.8 | 26.4 |
| Substance abuse  | 41.0 | 48.2 | 49.6 | 57.7 | 56.5 | 52.1 | 48.1 | 33.6 | 37.7 |
| Dependents       | NA   | NA   | NA   | N/   | 67.8 | 68.6 | 56.7 | 60.0 | 64.6 |

Source: Santa Cruz Community Assessment Project, Telephone Survey, 2003.

Note: The survey question was reworded in 2000 so the responses for dental and long term care are not comparable to prior years.

New data not available

Percent of respondents who said they have dental insurance.

| CHIS Data              | Santa Cruz     | California        |
|------------------------|----------------|-------------------|
| Yes                    | 65.4           | 62.4              |
| No                     | 34.6           | 37.6              |
| <b>Estimated Total</b> | <b>186,000</b> | <b>23,847,000</b> |

Source: California Health Interview Survey, 2001.

New data not available

QUALITY OF LIFE INDICATOR 51

# Health Insurance

## Community Profile

Percent of respondents who answered “Yes” to: “Do you have health insurance?”

| By Ethnicity | 1998 | 1999 | 2000 | 2001 | 2002 | *2003 | 2003 N |
|--------------|------|------|------|------|------|-------|--------|
| Caucasian    | 89.1 | 88.9 | 90.7 | 88.6 | 89.8 | 88.8  | 491    |
| Latino       | 50.5 | 67.4 | 59.3 | 68.2 | 71.8 | 58.1  | 157    |

| By Region          | 1998 | 1999 | 2000 | 2001 | 2002 | *2003 | 2003 N |
|--------------------|------|------|------|------|------|-------|--------|
| North County       | 84.4 | 86.5 | 88.6 | 86.0 | 90.3 | 83.3  | 236    |
| South County       | 77.2 | 84.3 | 68.2 | 79.9 | 77.6 | 74.2  | 241    |
| San Lorenzo Valley | 86.2 | 86.7 | 91.2 | 89.3 | 87.6 | 92.0  | 225    |

| By Age       | 1998 | 1999 | 2000 | 2001 | 2002 | *2003 | 2003 N |
|--------------|------|------|------|------|------|-------|--------|
| 18-24        | NA   | 78.0 | 73.3 | 79.5 | 57.0 | 70.7  | 108    |
| 25-44        | NA   | 82.0 | 79.1 | 80.9 | 85.6 | 76.5  | 229    |
| 45-64        | NA   | 88.1 | 88.5 | 84.6 | 85.8 | 84.8  | 252    |
| 65 and older | NA   | 98.8 | 93.4 | 89.2 | 95.6 | 92.0  | 113    |

| By Gender | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2003 N |
|-----------|------|------|------|------|------|------|--------|
| Male      | NA   | 86.3 | 83.2 | 81.5 | 84.3 | 78.0 | 348    |
| Female    | NA   | 85.9 | 83.0 | 86.4 | 86.1 | 84.2 | 354    |

| By Income                 | 1998 | 1999 | 2000 | 2001 | 2002 | *2003 | 2003 N |
|---------------------------|------|------|------|------|------|-------|--------|
| \$34,999 per year or less | NA   | 73.5 | 69.7 | 68.6 | 72.2 | 67.2  | 311    |
| \$35,000 - \$65,499       | NA   | 91.0 | 90.0 | 94.1 | 91.7 | 90.4  | 164    |
| \$65,500 and greater      | NA   | 98.0 | 96.4 | 96.4 | 97.1 | 96.1  | 177    |

Source: Santa Cruz Community Assessment Project, *Telephone Survey*, 2003.

\* Indicates statistically significant survey responses when reporting differences between sub-groups for the 2003 data. Absence of this symbol indicates no statistical significance difference between sub-groups for the 2003 data.

 **New data not available**

### Significance Testing

- Region:** Residents of the *San Lorenzo Valley* were significantly more likely to respond “Yes” than were residents of the *South County*.
- Age:** Those *65 and older* were significantly more likely to respond “Yes” than were *18-24 year olds* or *25-44 year olds*.
- Ethnicity:** *Caucasians* were significantly more likely to respond “Yes” than were *Latinos*.

**Income:** Those earning *\$35,000 through \$65,499* were significantly more likely to respond “Yes” than were those earning *34,999 or less*; those earning *\$65,500 or more* were significantly more likely to respond “Yes” than were those earning *\$34,999 or less*.

# 

*Percent of respondents who said they were currently insured*

| CHIS Data              | Santa Cruz     | California        |
|------------------------|----------------|-------------------|
| Yes                    | 87.1           | 84.7              |
| No                     | 12.9           | 15.3              |
| <b>Estimated Total</b> | <b>186,000</b> | <b>23,847,700</b> |

*Percent of respondents who said they have delayed getting tests or treatment for the past 12 months*

| CHIS Data              | Santa Cruz     | California        |
|------------------------|----------------|-------------------|
| Yes                    | 10.1           | 7.7               |
| No                     | 89.9           | 92.3              |
| <b>Estimated Total</b> | <b>186,000</b> | <b>23,824,000</b> |

*Percent of respondents who said they were covered by MediCare*

| CHIS Data              | Santa Cruz     | California        |
|------------------------|----------------|-------------------|
| Yes                    | 14.3           | 14.9              |
| No                     | 85.7           | 85.1              |
| <b>Estimated Total</b> | <b>186,000</b> | <b>23,847,000</b> |

*Percent of respondents who said they were also covered by a MediCare supplemental policy*

| CHIS Data              | Santa Cruz    | California       |
|------------------------|---------------|------------------|
| Yes                    | 70.2          | 65.1             |
| No                     | 29.8          | 34.9             |
| <b>Estimated Total</b> | <b>29,000</b> | <b>3,874,000</b> |

*Percent of respondents who said their health plan covers costs for visits to doctors that are not part of their plan*

| CHIS Data              | Santa Cruz     | California        |
|------------------------|----------------|-------------------|
| Yes                    | 64.0           | 53.9              |
| No                     | 36.0           | 46.1              |
| <b>Estimated Total</b> | <b>134,000</b> | <b>16,296,000</b> |

*Does your insurance policy cover:*

| Type of Coverage            | Santa Cruz     | California        |
|-----------------------------|----------------|-------------------|
| Prescription drugs          | 89.0           | 91.3              |
| <b>Estimated total</b>      | <b>154,000</b> | <b>19,558,000</b> |
| Treatment for mental health | 83.4           | 83.9              |
| <b>Estimated total</b>      | <b>111,000</b> | <b>14,067,000</b> |

Source: California Health Interview Survey, 2001.

 **New data not available**

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# 

*Percent of children currently insured by age group*

| CHIS Data              | Santa Cruz    | California       |
|------------------------|---------------|------------------|
| Child 0-4              | 91.4          | 93.1             |
| Child 5-11             | 89.8          | 90.3             |
| Child 12-14            | 98.7          | 88.3             |
| Child 15-17            | 97.2          | 88.4             |
| Children 0-17          | 93.0          | 90.4             |
| <b>Estimated Total</b> | <b>60,000</b> | <b>9,203,000</b> |

*Percent of children with dental insurance ages 2-11*

| CHIS Data                     | Santa Cruz    | California       |
|-------------------------------|---------------|------------------|
| Has dental insurance          | 76.7          | 76.7             |
| Doesn't have dental insurance | 23.3          | 23.3             |
| <b>Estimated Total</b>        | <b>34,000</b> | <b>5,225,000</b> |

Source: California Health Interview Survey, 2001.

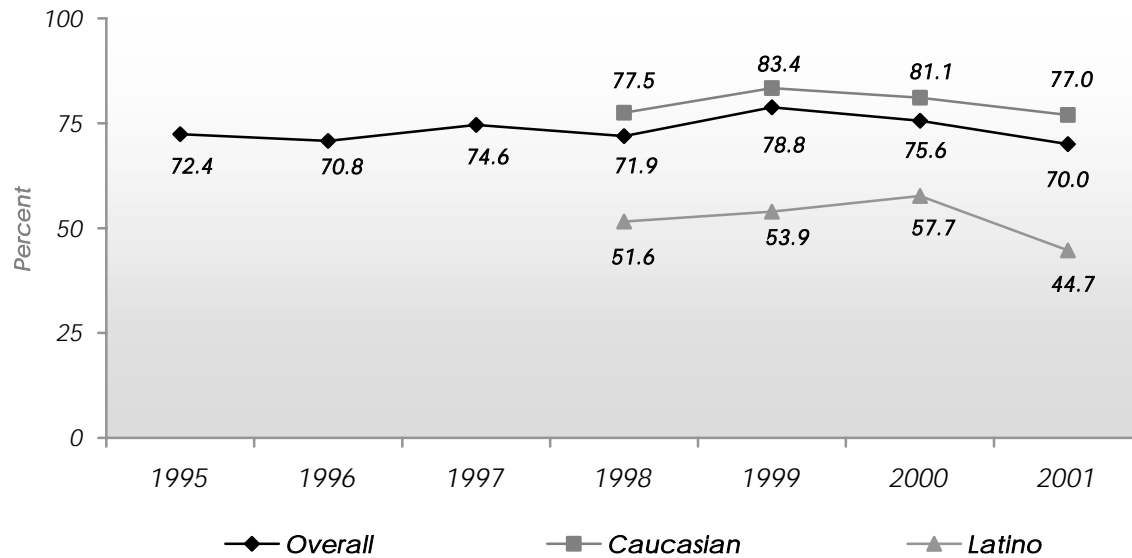
*Note: Data are only available for ages 2-11.*

 **New data not available**

## Dental Care – 1995 - 2001

Adequate access to dental care allows for early prevention and/or treatment of tooth decay, gum disease, and other related dental problems.

*Do you have a regular source of dental care? (Respondents answering “Yes”)*



| Total respondents | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 |
|-------------------|------|------|------|------|------|------|------|
| Overall           | 351  | 500  | 508  | 509  | 560  | 657  | 703  |
| Caucasian         | NA   | NA   | NA   | 382  | 427  | 445  | 492  |
| Latino            | NA   | NA   | NA   | 91   | 89   | 142  | 156  |

Source: Santa Cruz County Community Assessment Project, *Telephone Survey*, 2001.

 **New data not available**

QUALITY OF LIFE INDICATOR 52

# Dental Care – 1998 - 2001

## Community Profile

*Percent of respondents who said “Yes” to: “Do you have a regular source of dental care?”*

| By Ethnicity | 1998 | 1999 | 2000 | 2001 | 2001 N |
|--------------|------|------|------|------|--------|
| Caucasian    | 77.5 | 83.4 | 81.1 | 77.0 | 492    |
| Latino       | 51.6 | 53.9 | 57.7 | 44.7 | 156    |

| By Region          | 1998 | 1999 | 2000 | *2001 | 2001 N |
|--------------------|------|------|------|-------|--------|
| North County       | 72.1 | 78.3 | 77.4 | 70.6  | 203    |
| South County       | 70.1 | 76.9 | 67.7 | 60.9  | 286    |
| San Lorenzo Valley | 75.3 | 86.7 | 84.1 | 84.8  | 212    |

| By Age       | 1998 | 1999 | 2000 | *2001 | 2001 N |
|--------------|------|------|------|-------|--------|
| 18-24        | NA   | 62.2 | 59.8 | 41.6  | 76     |
| 25-44        | NA   | 73.7 | 74.4 | 64.3  | 214    |
| 45-64        | NA   | 87.1 | 84.4 | 81.8  | 258    |
| 65 and older | NA   | 91.4 | 76.6 | 72.1  | 154    |

| By Gender | 1998 | 1999 | 2000 | 2001 | 2001 N |
|-----------|------|------|------|------|--------|
| Male      | NA   | 77.5 | 75.3 | 66.4 | 353    |
| Female    | NA   | 80.0 | 75.8 | 73.6 | 350    |

| By Income                 | 1998 | 1999 | 2000 | *2001 | 2001 N |
|---------------------------|------|------|------|-------|--------|
| \$34,999 per year or less | NA   | 61.3 | 57.2 | 45.5  | 254    |
| \$35,000 - \$65,499       | NA   | 84.8 | 87.3 | 83.1  | 174    |
| \$65,500 and greater      | NA   | 93.4 | 94.0 | 92.2  | 210    |

Source: Santa Cruz County Community Assessment Project, *Telephone Survey*, 2001.

*Note: Question was re-worded in 2000 survey to read “Do you also have additional health insurance coverage for dental care?”(see next page)*

\* Indicates statistically significant survey responses when reporting differences between sub-groups for the 2001 data. Absence of this symbol indicates no statistical significance difference between sub-groups for the 2001 data.

 **New data not available**

### Significance Testing – 2001

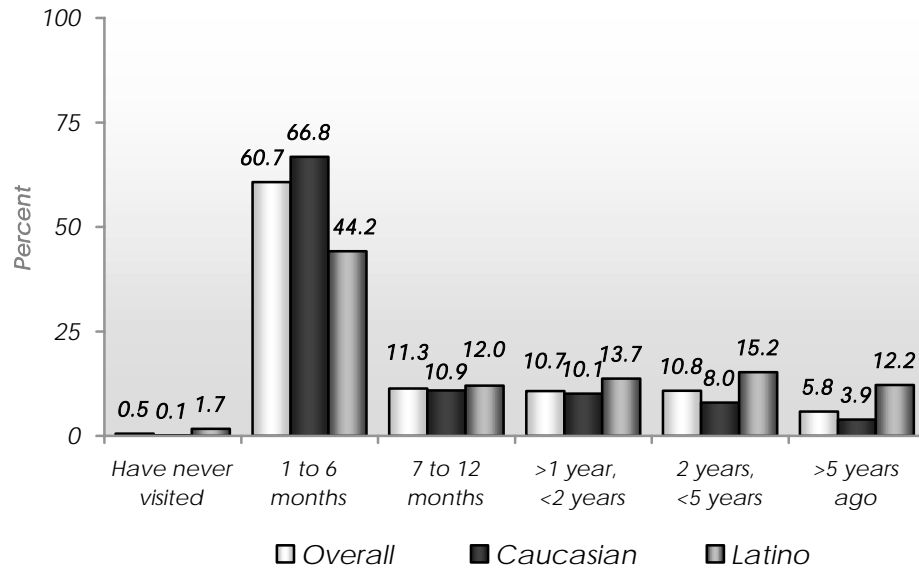
**Region:** *North County significantly lower than San Lorenzo Valley; San Lorenzo Valley significantly higher than South County.*

**Age:** *18-24 years significantly lower than 25-44 years; 18-24 years significantly lower than 45-64 years; 18-24 years significantly lower than 65 and older; 25-44 years significantly lower than 45-64 years.*

**Income:** *\$34,999 or less significantly lower than \$35,000 through \$65,499; \$34,999 or less significantly lower than \$65,500 and greater.*

## Dental Care – 2002 - 2003

*How long has it been since you last visited a dentist, hygienist or orthodontist?*



| Total respondents | 2002 | 2003 |
|-------------------|------|------|
| Overall           | 682  | 703  |
| Caucasian         | 478  | 491  |
| Latino            | 154  | 158  |

Source: Santa Cruz County Community Assessment Project, *Telephone Survey*, 2003.

*Note: See appendix for results of statistical testing for these questions.*




*Did you go for a routine check-up, or was it for a specific problem?*

| Reason   | 2002 | 2003 | 2003 N |
|--|------|------|--------|
| Routine check-up / cleaning                      | 73.8 | 66.1 | 432    |
| Had a dental problem                             | 19.6 | 23.5 | 153    |
| Both routine check-up or cleaning, and a problem | 5.7  | 7.9  | 52     |

Source: Santa Cruz County Community Assessment Project, *Telephone Survey*, 2003.

*Note: Because of low numbers of respondents, "Other" and "Don't know" are not included in the chart.*

 **New data not available**

 *Reason for visiting dentist, hygienist or orthodontist. (Adults who visited a dentist, hygienist or orthodontist in the past 5 years).*

| CHIS Data                           | Santa Cruz | California        |
|-------------------------------------|------------|-------------------|
| Routine check up / cleaning         | NA         | 68.1              |
| Had a dental problem                | NA         | 25.2              |
| Both routine check up and a problem | NA         | 6.1               |
| Other                               | NA         | 0.6               |
| <b>Estimated Total</b>              | <b>NA</b>  | <b>21,420,000</b> |

Source: California Health Interview Survey 2001.

 **New data not available**

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# Fluoridation

The process of adding fluoride to water systems is known as fluoridation, and no water district in Santa Cruz County fluoridates their drinking water. Shown below are the highest levels of naturally occurring fluoride in the drinking water supply as measured in milligrams for fluoride per liter of water (mg/L). The Centers for Disease Control and Prevention (CDC) has established an “optimal level” of fluoride content in drinking water to be in the range of 0.7 mg/L to 1.2 mg/L.

## Highest Level of Fluoride in Selected Water Districts in mg/L

| Water District               | 2000           | 2001           | 2002           | 2003           |
|------------------------------|----------------|----------------|----------------|----------------|
| City of Santa Cruz           | 0.20           | 0.20           | 0.20           | 0.30           |
| Lompico County               | 0.36           | 0.22           | ND             | 0.37           |
| Scotts Valley                | 0.30           | 0.32           | 0.33           | 0.51           |
| Soquel Creek                 | 0.29           | 0.51           | ND             | 0.40           |
| City of Watsonville          | 0.26           | 0.26           | 0.29           | 0.28           |
| <b>CDC Recommended Level</b> | <b>0.7-1.2</b> | <b>0.7-1.2</b> | <b>0.7-1.2</b> | <b>0.7-1.2</b> |

Source: City of Santa Cruz Water Department, Scotts Valley Water District, Soquel Creek Water District, City of Watsonville Water District, Lompico County Water District, 2004. Centers for Disease Control and Prevention, 2004.

Note: ND is “not detected.”

# Births

## Number of Births (All Ages) by Location

| <b>Delivery Location</b>            | <b>1995</b>     | <b>1996</b>  | <b>1997</b>  | <b>1998</b>  | <b>1999</b>  | <b>2000</b>  | <b>2001</b>  | <b>2002</b>  | <b>2003</b>  | <b>95-03<br/>% Change</b> |
|-------------------------------------|-----------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|---------------------------|
| Dominican Hospital                  | 1,780           | 1,472        | 1,332        | 1,260        | 1,215        | 1,230        | 1,230        | 1,205        | 1,181        | -33.7                     |
| Sutter Maternity and Surgery Center | NA <sup>1</sup> | 381          | 611          | 683          | 777          | 786          | 789          | 750          | 784          | NA                        |
| Watsonville Community Hospital      | 1,644           | 1,641        | 1,625        | 1,508        | 1,448        | 1,495        | 1,579        | 1,549        | 1,684        | 2.4                       |
| Out of County                       | 289             | 273          | 291          | 261          | 250          | 232          | 211          | 191          | 240          | -17.0                     |
| Non-Hospital                        | 122             | 78           | 89           | 86           | 86           | 88           | 61           | 86           | 75           | -38.5                     |
| <b>County Total</b>                 | <b>3,835</b>    | <b>3,845</b> | <b>3,948</b> | <b>3,798</b> | <b>3,776</b> | <b>3,831</b> | <b>3,870</b> | <b>3,781</b> | <b>3,964</b> | <b>3.4</b>                |

## Percent of Deliveries (All Ages) Funded by Medi-Cal by Location

| <b>Delivery Location</b>            | <b>1995</b>     | <b>1996</b> | <b>1997</b> | <b>1998</b> | <b>1999</b> | <b>2000</b> | <b>2001</b> | <b>2002</b> | <b>2003</b> | <b>95-03<br/>% Change</b> |
|-------------------------------------|-----------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|---------------------------|
| Dominican Hospital                  | 32.0            | 37.0        | 38.0        | 33.0        | 32.0        | 30.9        | 33.4        | 34.1        | 36.1        | 12.8                      |
| Sutter Maternity and Surgery Center | NA <sup>1</sup> | 9.0         | 14.0        | 14.0        | 17.0        | 13.0        | 13.8        | 14.7        | 15.6        | NA                        |
| Watsonville Community Hospital      | 73.0            | 70.0        | 68.0        | 68.0        | 71.0        | 70.2        | 71.4        | 75.5        | 70.0        | -4.1                      |
| <b>County Total</b>                 | <b>48.9</b>     | <b>46.5</b> | <b>44.5</b> | <b>42.0</b> | <b>42.0</b> | <b>40.9</b> | <b>43.3</b> | <b>46.2</b> | <b>44.9</b> | <b>-8.2</b>               |

Source: Santa Cruz County Health Services Agency, *Birth Certificate Summary and Perinatal Indicators*, 2003.

<sup>1</sup>Sutter Maternity and Surgery Center began providing services in Santa Cruz County in March of 1996.

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## Teen Births

Teen births are generally considered unplanned pregnancies. These young mothers are at greater risk of health complications associated with pregnancy, and may face serious socio-economic consequences, including: less opportunity for employment, decreased educational attainment, and a higher likelihood of poverty and dependence on public assistance for both mother and child.

### Summary of Births to Teens

|   | 1995        | 1996        | 1997        | 1998        | 1999       | 2000       | 2001       | 2002       | 2003       | 95-03<br>% Change |
|---|-------------|-------------|-------------|-------------|------------|------------|------------|------------|------------|-------------------|
| Number of Births to Teens                 | 475         | 428         | 400         | 409         | 366        | 371        | 360        | 363        | 358        | -24.6             |
| Number of Births, All Ages                | 3,835       | 3,845       | 3,948       | 3,798       | 3,776      | 3,831      | 3,870      | 3,781      | 3,964      | 3.4               |
| <b>Percent of Births to Teens, County</b> | <b>12.4</b> | <b>11.1</b> | <b>10.1</b> | <b>10.8</b> | <b>9.7</b> | <b>9.7</b> | <b>9.3</b> | <b>9.6</b> | <b>9.0</b> | <b>-27.4</b>      |
| Percent of Births to Teens, State         | 12.4        | 12.0        | 11.7        | 11.4        | 11.1       | 10.6       | 10.2       | 9.6        | NA         | NA                |

### Number of Births to Teens by Location

| Delivery Location                   | 1995            | 1996       | 1997       | 1998       | 1999       | 2000       | 2001       | 2002       | 2003       | 95-03<br>% Change |
|-------------------------------------|-----------------|------------|------------|------------|------------|------------|------------|------------|------------|-------------------|
| Dominican Hospital                  | 146             | 130        | 105        | 103        | 97         | 84         | 82         | 82         | 67         | -54.1             |
| Sutter Maternity and Surgery Center | NA <sup>1</sup> | 16         | 29         | 31         | 39         | 39         | 37         | 34         | 32         | NA                |
| Watsonville Community Hospital      | 294             | 267        | 248        | 263        | 210        | 234        | 232        | 242        | 252        | -14.3             |
| Out of County                       | 32              | 13         | 13         | 11         | 20         | 11         | 9          | 5          | 7          | -78.1             |
| Non-Hospital                        | 3               | 2          | 5          | 1          | 0          | 3          | 0          | 0          | 0          | -100.0            |
| <b>County Total</b>                 | <b>475</b>      | <b>428</b> | <b>400</b> | <b>409</b> | <b>366</b> | <b>371</b> | <b>360</b> | <b>363</b> | <b>358</b> | <b>-24.6</b>      |

### Birth Rate per 1,000 Teens Ages 15 –19

|        | 1995 | 1996 | 1997 | 1998 <sup>2</sup> | 1999 | 2000 | 2001 | 2002 | 2003 |
|--------|------|------|------|-------------------|------|------|------|------|------|
| County | 58.7 | 52.1 | 47.6 | 41.5              | 40.5 | 40.4 | 38.6 | 37.4 | 31.0 |
| State  | 67.2 | 61.6 | 56.7 | 53.2              | 50.2 | 48.1 | 45.1 | 9.6  | NA   |
| Nation | 56.8 | 54.4 | 52.3 | 51.1              | 49.6 | 48.5 | 45.8 | NA   | NA   |

Source: California Department of Health Services Agency, Birth Certificate Summary and Perinatal Indicators, 2003. Population figures for 1995-2002: State of California, Department of Finance, *Race/Ethnic Population with Age and Sex Detail*, 1970-2040. Sacramento, CA, December 1998. Population figures for 2003: State of California, Department of Finance, *Race/Ethnic Population with Age and Sex Detail*, 2000-2050, Sacramento, California, May 2004.

<sup>1</sup>Sutter Maternity and Surgery Center began providing services in Santa Cruz County in March of 1996.

<sup>2</sup>As of 1998, the teen birth rate is for ages 15-19 instead of 13-19.

# Teen Births

## Births to Teens by Age of Mother

| Age Group           | 1995       | 1996       | 1997       | 1998       | 1999       | 2000       | 2001       | 2002       | 2003       | 95-03<br>% Change |
|---------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|-------------------|
| 14 & Under          | 18         | 10         | 8          | 9          | 9          | 3          | 2          | 7          | 4          | -77.8             |
| 15                  | 44         | 24         | 40         | 29         | 19         | 15         | 15         | 23         | 15         | -65.9             |
| 16-17               | 164        | 138        | 127        | 137        | 91         | 100        | 96         | 103        | 114        | -30.5             |
| 18-19               | 249        | 256        | 225        | 234        | 247        | 253        | 247        | 230        | 225        | -9.6              |
| <b>County Total</b> | <b>475</b> | <b>428</b> | <b>400</b> | <b>409</b> | <b>366</b> | <b>371</b> | <b>360</b> | <b>363</b> | <b>358</b> | <b>-24.6</b>      |

## Births to Teens by Ethnicity of Mother

| Ethnicity           | 1995       | 1996       | 1997       | 1998       | 1999       | 2000       | 2001       | 2002       | 2003       | 95-03<br>% Change |
|---------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|-------------------|
| Caucasian           | 120        | 98         | 82         | 61         | 85         | 73         | 59         | 53         | 48         | -60.0             |
| Hispanic            | 343        | 323        | 308        | 330        | 272        | 283        | 290        | 302        | 305        | -11.1             |
| African American    | 6          | 1          | 5          | 8          | 2          | 2          | 3          | 3          | 2          | -66.7             |
| Asian               | 4          | 1          | 2          | 5          | 2          | 7          | 3          | 3          | 2          | -50.0             |
| Other               | 2          | 5          | 3          | 5          | 5          | 6          | 5          | 2          | 1          | -50.0             |
| <b>County Total</b> | <b>475</b> | <b>428</b> | <b>400</b> | <b>409</b> | <b>366</b> | <b>371</b> | <b>360</b> | <b>363</b> | <b>358</b> | <b>-24.6</b>      |

Source: Santa Cruz County Health Services Agency, *Birth Certificate Summary and Perinatal Indicators*, 2003.

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# Prenatal Care Initiated in 1<sup>st</sup> Trimester

Access to and utilization of prenatal care services can be crucial in protecting the health of an expectant mother as well as her unborn child.

## Percent of Births Receiving Prenatal Care in the 1<sup>st</sup> Trimester by Location

| Delivery Location                   | 1995            | 1996        | 1997        | 1998        | 1999        | 2000        | 2001        | 2002        | 2003 <sup>1</sup> |
|-------------------------------------|-----------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------------|
| Dominican Hospital                  | 89.0            | 86.0        | 87.0        | 86.9        | 88.7        | 92.7        | 90.3        | 92.5        | 92.6              |
| Sutter Maternity and Surgery Center | NA <sup>3</sup> | 81.0        | 88.0        | 86.8        | 87.9        | 88.4        | 92.0        | 93.1        | 92.1              |
| Watsonville Community Hospital      | 75.0            | 74.0        | 76.0        | 77.3        | 77.3        | 83.8        | 90.2        | 89.5        | 82.5              |
| Out of County                       | 84.8            | 91.2        | 91.1        | 86.6        | 91.2        | 90.1        | 91.9        | 92.1        | 92.5              |
| Non-Hospital                        | 59.8            | 69.2        | 65.2        | 65.1        | 79.1        | 86.4        | 88.5        | 94.2        | 85.3              |
| <b>County Total</b>                 | <b>82.0</b>     | <b>81.0</b> | <b>82.0</b> | <b>82.6</b> | <b>84.1</b> | <b>88.0</b> | <b>90.7</b> | <b>91.4</b> | <b>88.1</b>       |
| State Total                         | 78.0            | 80.0        | 80.8        | 81.0        | 82.2        | 70.5        | 84.0        | 84.0        | NA                |

## Percent of Births with Inadequate Care (by Kessner Index<sup>2</sup>) by Location

| Delivery Location                   | 1995            | 1996       | 1997       | 1998       | 1999       | 2000       | 2001       | 2002       | 2003 <sup>1</sup> |
|-------------------------------------|-----------------|------------|------------|------------|------------|------------|------------|------------|-------------------|
| Dominican Hospital                  | 2.0             | 1.8        | 1.6        | 1.9        | 0.9        | 1.1        | 1.6        | 1.2        | 1.6               |
| Sutter Maternity and Surgery Center | NA <sup>3</sup> | 4.5        | 1.1        | 1.0        | 0.6        | 0.1        | 1.0        | 0.4        | 0.8               |
| Watsonville Community Hospital      | 7.0             | 6.2        | 5.0        | 4.6        | 4.8        | 3.1        | 4.1        | 3.4        | 5.7               |
| Out of County                       | 5.5             | 2.6        | 1.7        | 2.7        | 1.2        | 4.7        | 2.4        | 0.5        | 0.8               |
| Non-Hospital                        | 7.4             | 3.9        | 4.5        | 8.1        | 2.3        | 2.3        | 3.3        | 2.3        | 2.9               |
| <b>County Total</b>                 | <b>4.3</b>      | <b>4.1</b> | <b>3.0</b> | <b>3.0</b> | <b>2.4</b> | <b>1.9</b> | <b>2.6</b> | <b>2.0</b> | <b>3.2</b>        |

Source: Santa Cruz County Health Services Agency, *Birth Certificate Summary and Perinatal Indicators*, 2003.

<sup>1</sup>Year 2003 total births = 3,964.

<sup>2</sup>The Kessner Index combines the month of the first prenatal visit with the number of visits to establish a measure of the use of prenatal care. As of 1999, the California Department of Health Services replaced the Kessner Index with “The Adequacy of Prenatal Care Utilization Index” (also referred to informally as the Kottlechuck index), in accordance with the Year 2010 National Health Objectives. The index captures two dimensions of prenatal care, namely, at what point was care initiated, and frequency of care received. The year 2010 National Objective for “Adequate / Adequate Plus” prenatal care is 90%.

<sup>3</sup>Sutter Maternity and Surgery Center began providing services in Santa Cruz County in March of 1996.

## Prenatal Care Initiated in 1<sup>st</sup> Trimester - Teens

Percent of Births to Teens Receiving Prenatal Care in the 1<sup>st</sup> Trimester by Location

| Delivery Location                   | 1995            | 1996        | 1997        | 1998        | 1999        | 2000        | 2001        | 2002        | 2003 <sup>1</sup> |
|-------------------------------------|-----------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------------|
| Dominican Hospital                  | 71.9            | 65.4        | 75.2        | 77.7        | 77.3        | 85.7        | 82.0        | 82.0        | 86.6              |
| Sutter Maternity and Surgery Center | NA <sup>3</sup> | 43.8        | 82.8        | 77.4        | 74.4        | 64.1        | 73.0        | 79.0        | 68.8              |
| Watsonville Community Hospital      | 67.3            | 67.4        | 67.7        | 70.7        | 71.9        | 82.1        | 90.0        | 85.0        | 73.8              |
| <b>County Total</b>                 | <b>70.7</b>     | <b>66.4</b> | <b>71.5</b> | <b>72.6</b> | <b>73.8</b> | <b>80.3</b> | <b>86.4</b> | <b>83.2</b> | <b>75.7</b>       |

Percent of Teen Births with Inadequate Care by Kessner<sup>2</sup> Index by Location

| Delivery Location                   | 1995            | 1996       | 1997       | 1998       | 1999       | 2000       | 2001       | 2002       | 2003 <sup>1</sup> |
|-------------------------------------|-----------------|------------|------------|------------|------------|------------|------------|------------|-------------------|
| Dominican Hospital                  | 4.8             | 5.4        | 1.9        | 3.9        | 1.0        | 1.2        | 1.2        | 1.2        | 6.0               |
| Sutter Maternity and Surgery Center | NA <sup>3</sup> | 0.0        | 0.0        | 3.2        | 0.0        | 2.6        | 0.0        | 3.0        | 0.0               |
| Watsonville Community Hospital      | 9.9             | 6.0        | 6.9        | 6.1        | 5.7        | 5.6        | 4.8        | 5.8        | 11.1              |
| <b>County Total</b>                 | <b>8.0</b>      | <b>5.4</b> | <b>5.0</b> | <b>5.4</b> | <b>3.6</b> | <b>4.3</b> | <b>3.6</b> | <b>2.0</b> | <b>8.9</b>        |

Source: Santa Cruz County Health Services Agency, *Birth Certificate Summary and Perinatal Indicators*, 2003.

Note: Births that occurred out of County and in non-hospital settings are not included here due to small frequencies.

<sup>1</sup>Year 2003 total teen births = 358

<sup>2</sup>The Kessner Index combines the month of the first prenatal visit with the number of visits to establish a measure of the use of prenatal care. As of 1999, the California Department of Health Services replaced the Kessner Index with “The Adequacy of Prenatal Care Utilization Index” (also referred to informally as the Kottlechuck index), in accordance with the Year 2010 National Health Objectives. The index captures two dimensions of prenatal care, namely, at what point was care initiated, and frequency of care received. The year 2010 National Objective for “Adequate / Adequate Plus” prenatal care is 90%.

<sup>3</sup>Sutter Maternity and Surgery Center began providing services in Santa Cruz County in March of 1996.

QUALITY OF LIFE INDICATOR 57

# Birth Weight

Low birth weight is one of the most common indicators of infant mortality, and can be used as a predictor of future medical care needs. Babies born weighing less than 2,500 grams are considered low birth weight.

## Percent of Low Birth Weight Deliveries, All Births

| Delivery Location                   | 1995            | 1996       | 1997       | 1998       | 1999       | 2000       | 2001       | 2002       | 2003 <sup>1</sup> |
|-------------------------------------|-----------------|------------|------------|------------|------------|------------|------------|------------|-------------------|
| Dominican Hospital                  | 3.5             | 4.3        | 5.7        | 6.0        | 4.9        | 5.6        | 6.2        | 7.6        | 7.6               |
| Sutter Maternity and Surgery Center | NA <sup>3</sup> | 0.5        | 1.3        | 1.8        | 1.2        | 2.3        | 1.1        | 1.3        | 1.1               |
| Watsonville Community Hospital      | 3.5             | 3.2        | 3.5        | 4.0        | 5.0        | 4.1        | 4.6        | 3.6        | 3.1               |
| Out of County                       | 17.3            | 17.9       | 19.2       | 20.3       | 22.0       | 21.6       | 14.2       | 27.7       | 18.8              |
| Non-Hospital                        | 1.6             | 1.3        | 3.4        | 0.0        | 2.3        | 0.0        | 0.0        | 2.3        | 0.0               |
| <b>County Total</b>                 | <b>4.5</b>      | <b>4.4</b> | <b>5.1</b> | <b>5.3</b> | <b>5.2</b> | <b>5.2</b> | <b>4.9</b> | <b>5.6</b> | <b>5.0</b>        |
| State Total                         | 6.1             | 6.1        | 6.1        | 6.2        | 6.1        | 6.2        | 6.3        | 6.4        | NA                |

*Note: An unusually large percent of out of County deliveries are low birth weight. Many of these are attributed to the fact that at-risk deliveries must often be carried out at Stanford Hospital.*

<sup>1</sup>Year 2003 total births = 3,964

## Number of Low Birth Weight Deliveries, Teens

| Birth Weight                               | 1995       | 1996       | 1997       | 1998       | 1999       | 2000       | 2001       | 2002       | 2003 <sup>2</sup> |
|--|------------|------------|------------|------------|------------|------------|------------|------------|-------------------|
| Under 1500 grams (2.2 lbs.)                | 6          | 1          | 2          | 5          | 9          | 7          | 3          | 0          | 5                 |
| 1500 - 2499 grams (5.5 lbs.)               | 19         | 14         | 14         | 18         | 23         | 24         | 21         | 19         | 17                |
| 2500 grams and over (non-low birth weight) | 450        | 413        | 384        | 386        | 334        | 340        | 336        | 344        | 336               |
| <b>County Total</b>                        | <b>475</b> | <b>428</b> | <b>400</b> | <b>409</b> | <b>366</b> | <b>371</b> | <b>360</b> | <b>363</b> | <b>358</b>        |
| Percent Low Birth Weight                   | 5.3        | 3.5        | 4.0        | 5.6        | 8.7        | 8.4        | 6.7        | 5.2        | 6.4               |

Source: Santa Cruz County Health Services Agency, *Birth Certificate Summary and Perinatal Indicators*, 2003.

<sup>2</sup>Year 2003 total teen births = 358

<sup>3</sup>Sutter Maternity and Surgery Center began providing services in Santa Cruz County in March of 1996.

# Immunization Levels

## Immunization Levels of Child Care Center Entrants

|   | 1994        | 1995        | 1996        | 1997 <sup>1</sup> | 1998        | 1999        | 2000        | 2001        | 2002        | 2003        | 94-03<br>% Change |
|---|-------------|-------------|-------------|-------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------------|
| Number of students (ages 2 to 5 years)                  | 3,060       | 3,110       | 3,154       | 3,077             | 3,198       | 3,272       | 3,095       | 2,942       | 3,101       | 2,838       | -7.3              |
| Number of centers                                       | 73          | 73          | 73          | 73                | 74          | 76          | 70          | 90          | 75          | 78          | 6.8               |
| Percent with medical exemptions                         | 0.1         | 0.2         | 0.5         | 0.1               | 0.5         | 0.5         | 0.2         | 0.5         | 0.7         | 0.6         | 500.0             |
| Percent with personal exemptions                        | 1.4         | 1.5         | 1.6         | 2.8               | 2.7         | 2.5         | 2.1         | 4.2         | 4.6         | 4.9         | 250.0             |
| Percent needing one or more immunizations               | 4.6         | 4.2         | 4.4         | 24.4              | 9.7         | 7.8         | 7.5         | 10.9        | 11.5        | 6.9         | 50.0              |
| <b>Percent with all required immunizations - County</b> | <b>93.9</b> | <b>95.7</b> | <b>95.6</b> | <b>75.6</b>       | <b>90.1</b> | <b>92.3</b> | <b>92.4</b> | <b>89.1</b> | <b>88.5</b> | <b>87.6</b> | <b>-6.7</b>       |
| Percent with all required immunizations - California    | 94.1        | 94.4        | 92.8        | 85.5              | 91.2        | 93.6        | 94.1        | 91.8        | 94.3        | 93.4        | -0.7              |

## Immunization Levels of Kindergarten Entrants

|   | 1994        | 1995        | 1996        | 1997        | 1998        | 1999        | 2000        | 2001        | 2002        | 2003        | 94-03<br>% Change |
|---|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------------|
| Number of students                                      | 3,999       | 3,579       | 3,472       | 3,587       | 3,298       | 3,448       | 3,359       | 3,456       | 3,351       | 3,140       | -21.5             |
| Number of schools                                       | 61          | 66          | 66          | 68          | 65          | 66          | 59          | 59          | 62          | 61          | 0                 |
| Percent with medical exemptions                         | <1.0        | <1.0        | 2.3         | <1.0        | <1.0        | 0.5         | 0.2         | 0.3         | 0.4         | 0.4         | NA                |
| Percent with personal exemptions                        | 2.4         | 1.5         | 1.5         | 2.8         | 3.1         | 3.0         | 3.4         | 5.0         | 5.4         | 4.4         | 83.3              |
| Percent needing one or more immunizations               | 4.1         | 4.5         | 2.8         | 53.4        | 13.2        | 8.8         | 6.3         | 6.4         | 6.5         | 7.6         | 85.4              |
| <b>Percent with all required immunizations - County</b> | <b>93.3</b> | <b>94.0</b> | <b>95.5</b> | <b>43.6</b> | <b>83.3</b> | <b>87.6</b> | <b>90.1</b> | <b>88.3</b> | <b>87.8</b> | <b>87.6</b> | <b>-6.1</b>       |
| Percent with all required immunizations - California    | 92.9        | 93.6        | 94.0        | 67.9        | 89.3        | 91.9        | 92.2        | 90.9        | 92.3        | 92.5        | -0.4              |

Sources: 1994-2002 data: Santa Cruz County Health Services Agency, *Immunization Assessment of Kindergarten Students*, 2004. 2003 data: California Department of Health Services Agency, Division of Disease Control, *Immunization Branch*, 2004.

Note: As of July 2001, one dose of varicella (chickenpox) vaccine or physician-documented disease and/or immunity is required for entry into child care and Kindergarten.

<sup>1</sup>Beginning in 1997, the state required incoming Kindergarten students to have completed the 3 dose Hepatitis B vaccine series in addition to the previously required doses of Measles, Mumps and Rubella to be considered up to date on immunizations. Hepatitis B requirement was new, and therefore, many children were out of compliance.

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# Immunization Levels

## Seventh Grade Entrants

|   | <b>1999</b> | <b>2000</b> | <b>2001</b> | <b>2002</b> | <b>2003</b> | <b>99-03<br/>% Change</b> |
|---|-------------|-------------|-------------|-------------|-------------|---------------------------|
| Number of students                                      | 3,102       | 3,256       | 3,161       | 3,445       | 3,459       | 11.5                      |
| Number of schools                                       | 28          | 26          | 26          | 33          | 33          | 17.9                      |
| Percent with medical exemptions                         | 0.3         | 0.1         | 0.2         | 0.9         | 0.4         | 33.3                      |
| Percent with personal exemptions                        | 3.3         | 4.1         | 4.8         | 3.2         | 4.8         | 45.5                      |
| Percent needing one or more immunizations               | 26.3        | 20.6        | 22.9        | 22.5        | 21.3        | -19.0                     |
| <b>Percent with all required immunizations - County</b> | <b>70.1</b> | <b>75.3</b> | <b>72.2</b> | <b>73.5</b> | <b>73.6</b> | <b>5.0</b>                |
| Percent with all required immunizations - California    | 65.4        | 69.5        | 70.0        | 74.1        | 78.8        | 20.5                      |

Sources: 1994-2002 data: Santa Cruz County Health Services Agency, *Immunization Assessment of Kindergarten Students*, 2004. 2003 data: California Department of Health Services Agency, Division of Disease Control, *Immunization Branch*, 2004.

Note: In July of 1999, the Health Department began assessing the levels of complete immunization for seventh grade entrants.

## Nutritional Status by Selected Ethnicity

Low hemoglobin values (anemia) frequently indicate poor nutritional status, as do low or high weight for height measurements.

Percent of Patients 0 -17 years with Low Weight/Height (< 5<sup>th</sup> Percentile)

|                                   | 1995          | 1996         | 1997         | 1998          | 1999          |
|-----------------------------------|---------------|--------------|--------------|---------------|---------------|
| Caucasian                         | 3.9           | 2.7          | 4.1          | 3.4           | 4.8           |
| Latino                            | 2.1           | 1.5          | 1.6          | 1.5           | 1.8           |
| All other                         | 2.9           | 3.3          | <sup>1</sup> | 2.7           | 4.1           |
| Not specified                     | 2.6           | 2.1          | 2.4          | 1.4           | NA            |
| <b>County Total</b>               | <b>2.5</b>    | <b>1.7</b>   | <b>2.0</b>   | <b>1.8</b>    | <b>2.3</b>    |
| State Total                       | 2.5           | 2.5          | 2.5          | 2.3           | NA            |
| <b>Number of Persons Examined</b> | <b>10,970</b> | <b>6,336</b> | <b>6,324</b> | <b>13,516</b> | <b>11,541</b> |

<sup>1</sup>Value does not meet standards of reliability or precision.

 **New data not available**

Percent of Patients 0 -17 with High Weight/Height (> 95<sup>th</sup> Percentile)

|                                   | 1995          | 1996         | 1997         | 1998          | 1999          |
|-----------------------------------|---------------|--------------|--------------|---------------|---------------|
| Caucasian                         | 9.5           | 8.8          | 8.8          | 8.4           | 9.4           |
| Latino                            | 13.9          | 15.3         | 16.4         | 15.4          | 15.2          |
| All other                         | 3.7           | 10.7         | 13.8         | 11.1          | 10.4          |
| Not specified                     | 12.6          | 11.4         | 13.1         | 16.0          | NA            |
| <b>County Total</b>               | <b>12.8</b>   | <b>14.0</b>  | <b>15.1</b>  | <b>14.2</b>   | <b>14.1</b>   |
| State Total                       | 13.3          | 13.1         | 13.4         | 14.1          | NA            |
| <b>Number of Persons Examined</b> | <b>10,970</b> | <b>6,336</b> | <b>6,304</b> | <b>13,516</b> | <b>11,541</b> |

Source: Pediatric Nutrition Surveillance, *Summary of Indicators by Age and Ethnic Groups*, 2001.

 **New data not available**

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# Nutritional Status 2000 - 2002

Santa Cruz County has a high percentage of overweight children. The County ranks 51<sup>st</sup> (1 being the best) out of California's 66 counties and health jurisdictions<sup>1</sup> for overweight children aged less than five years, and 57<sup>th</sup> for children aged five to less than 20 years.

| Percent of Children who are Underweight (< 5 <sup>th</sup> Percentile) | 2000          |         |                     |         | 2001          |         |                     |         | 2002          |         |                     |         |
|--|---------------|---------|---------------------|---------|---------------|---------|---------------------|---------|---------------|---------|---------------------|---------|
|  | Aged <5 Years |         | Aged 5 to <20 Years |         | Aged <5 Years |         | Aged 5 to <20 Years |         | Aged <5 Years |         | Aged 5 to <20 Years |         |
|  | Number tested | Percent | Number tested       | Percent | Number tested | Percent | Number tested       | Percent | Number tested | Percent | Number tested       | Percent |
| County Total   | 10,675        | 5.0     | 4,688               | 1.6     | 9,959         | 5.0     | 3,876               | 1.4     | 9,714         | 5.1     | 3,159               | 1.9     |
| State Total  | 890,764       | 5.3     | 574,920             | 2.8     | 854,305       | 5.3     | 531,460             | 2.7     | 850,756       | 5.3     | 512,143             | 2.7     |
| Nation Total (prior year)  | 5,089,556     | 5.7     | NA                  | -       | 4,428,863     | 5.4     | NA                  | -       | 4,846,643     | 5.4     | NA                  | -       |

| Percent of Children who are Overweight (> 95 <sup>th</sup> Percentile) | 2000          |         |                     |         | 2001          |         |                     |         | 2002          |         |                     |         |
|--|---------------|---------|---------------------|---------|---------------|---------|---------------------|---------|---------------|---------|---------------------|---------|
|  | Aged <5 Years |         | Aged 5 to <20 Years |         | Aged <5 Years |         | Aged 5 to <20 Years |         | Aged <5 Years |         | Aged 5 to <20 Years |         |
|  | Number tested | Percent | Number tested       | Percent | Number tested | Percent | Number tested       | Percent | Number tested | Percent | Number tested       | Percent |
| County Total   | 10,675        | 15.2    | 4,688               | 23.2    | 9,959         | 15.1    | 3,876               | 23.8    | 9,714         | 16.2    | 3,159               | 24.3    |
| State Total  | 890,764       | 16.1    | 574,920             | 19.7    | 854,305       | 16.0    | 531,460             | 20.0    | 850,756       | 16.2    | 512,143             | 20.8    |
| Nation Total (prior year)  | 5,089,556     | 12.2    | NA                  | -       | 4,428,863     | 12.8    | NA                  | -       | 4,846,643     | 13.1    | NA                  | -       |

Source: Pediatric Nutrition Surveillance, *Comparison of Growth and Anemia Indicators by Clinic*, 2004.

Note: The Pediatric Nutrition Surveillance reports made some significant improvement to their reporting process in 2000. Now, one record per child is included in the analysis, height and weight analyses are based on the 2000 CDC pediatric growth reference, Hemoglobin/Hematocrit analyses are based on the 1998 CDC Morbidity and Mortality Weekly Report (MMWR) values for anemia, ranked comparisons of health indicators for County and state data are provided, and finally, the age groups reported have changed. Therefore, data for 2000 is not comparable with previous years.

<sup>1</sup>The health jurisdictions include: City of Berkeley, Pasadena, Long Beach, Los Angeles North, Los Angeles South, Los Angeles West and Los Angeles East, Los Angeles Other.

## Unintentional Injuries

The injury hospitalization rate measures the number of discharges from acute care hospital facilities for unintentional injuries among children aged 0-20, for every 1,000 children of similar ages within the general population.

### Unintentional Non-Fatal Injuries by Age

| Age Group                         | 1994   | 1995   | 1996   | 1997   | 1998   | 1999   | 2000   | 2001   | 2002   | 94-02<br>% Change |
|-----------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------------------|
| Under 1                           | 4      | 7      | 3      | 4      | 2      | 4      | 5      | 10     | 5      | 25.0              |
| 1 to 4                            | 30     | 21     | 35     | 40     | 26     | 33     | 28     | 25     | 26     | -13.3             |
| 5 to 12                           | 38     | 36     | 53     | 45     | 38     | 48     | 49     | 53     | 29     | -23.7             |
| 13 to 15                          | 16     | 18     | 22     | 29     | 25     | 19     | 26     | 30     | 34     | 112.5             |
| 16 to 20                          | 54     | 82     | 61     | 54     | 47     | 67     | 55     | 70     | 73     | 35.2              |
| Total Unintentional Injuries 0-20 | 142    | 164    | 174    | 172    | 138    | 171    | 163    | 188    | 167    | 17.6              |
| Population 0-20                   | 69,870 | 70,973 | 71,938 | 73,185 | 74,538 | 75,909 | 77,234 | 78,330 | 74,110 | 6.1               |
| Rate per 1,000 - County           | 2.0    | 2.3    | 2.4    | 2.4    | 1.9    | 2.3    | 2.1    | 2.4    | 2.3    | 15.0              |
| Rate per 1,000 - State            | 3.2    | 3.1    | 2.9    | 2.8    | 2.8    | 3.4    | 2.8    | 2.7    | 2.8    | -12.5             |

### Unintentional Non-Fatal Injuries for Persons Ages 0-20 by Selected Cause

| Cause of Injury       | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 94-02<br>% Change |
|-----------------------|------|------|------|------|------|------|------|------|------|-------------------|
| Falls                 | 47   | 47   | 56   | 60   | 51   | 60   | 54   | 64   | 64   | 36.2              |
| Motor Vehicle Traffic | 49   | 51   | 46   | 38   | 30   | 33   | 37   | 46   | 33   | -32.7             |
| Struck by Object      | 11   | 11   | 9    | 14   | 15   | 13   | 8    | 10   | 9    | -18.2             |
| Poisoning             | 6    | 8    | 16   | 11   | 10   | 12   | 8    | 16   | 9    | 50.0              |
| Gunshot               | 0    | 3    | 2    | 0    | 1    | 1    | 2    | 0    | 3    | NA                |

Source: California Department of Health Services, *Epidemiology and Prevention for Injury Control Branch*, 2004. Population figures for 1994-2001: State of California, Department of Finance, *Race/Ethnic Population with Age and Sex Detail*, 1970-2040. Sacramento, CA, December 1998. Population figures for 2002: State of California, Department of Finance, *Race/Ethnic Population with Age and Sex Detail*, 2000-2050, Sacramento, California, May 2004.

Note: 2002 population updated to reflect the 2000 U.S. Census.

## QUALITY OF LIFE INDICATOR 61

# Intentional Injuries

## Number of Intentional Non-Fatal Injuries by Age

| Age Group                              | 1994       | 1995       | 1996       | 1997       | 1998       | 1999       | 2000       | 2001       | 2002       | 94-02 % Change |
|--|------------|------------|------------|------------|------------|------------|------------|------------|------------|----------------|
| Under 1                                | 0          | 1          | 0          | 1          | 0          | 0          | 0          | 0          | 1          | NA             |
| 1 to 4                                 | 1          | 1          | 1          | 0          | 0          | 1          | 2          | 0          | 0          | -100.0         |
| 5 to 12                                | 0          | 2          | 1          | 2          | 0          | 0          | 1          | 3          | 2          | NA             |
| 13 to 15                               | 13         | 10         | 5          | 13         | 9          | 7          | 11         | 10         | 8          | -38.5          |
| 16 to 20                               | 31         | 33         | 30         | 31         | 28         | 24         | 24         | 34         | 28         | -9.7           |
| <b>Total Intentional Injuries 0-20</b> | <b>45</b>  | <b>47</b>  | <b>37</b>  | <b>47</b>  | <b>37</b>  | <b>32</b>  | <b>38</b>  | <b>47</b>  | <b>39</b>  | <b>-13.3</b>   |
| Population 0-20                        | 69,870     | 70,973     | 71,938     | 73,185     | 74,538     | 75,909     | 77,234     | 78,330     | 74,110     | 6.1            |
| <b>Rate per 1,000 - County</b>         | <b>0.6</b> | <b>0.7</b> | <b>0.5</b> | <b>0.6</b> | <b>0.5</b> | <b>0.4</b> | <b>0.5</b> | <b>0.6</b> | <b>0.5</b> | <b>-16.7</b>   |
| Rate per 1,000 - State                 | 0.9        | 0.8        | 0.7        | 0.7        | 0.6        | 0.6        | 0.8        | 0.6        | 0.7        | -22.2          |

## Number of Intentional Non-Fatal Injuries for Persons Ages 0-20 by Selected Cause

| Cause of Injury              | 1994      | 1995      | 1996      | 1997      | 1998      | 1999      | 2000      | 2001      | 2002      | 94-02 % Change |
|------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|----------------|
| Intentional - Self Inflicted | 18        | 23        | 19        | 24        | 27        | 25        | 21        | 33        | 26        | 44.4           |
| Poisoning                    | 15        | 20        | 17        | 21        | 24        | 20        | 15        | 30        | 23        | 53.3           |
| Gunshot                      | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0              |
| Intentional - Assault        | 27        | 24        | 18        | 23        | 10        | 7         | 11        | 14        | 13        | -51.9          |
| Cut/ Pierce                  | 14        | 6         | 7         | 14        | 8         | 1         | 5         | 10        | 6         | -57.1          |
| Gunshot                      | 9         | 10        | 5         | 4         | 2         | 1         | 0         | 2         | 2         | -77.8          |
| <b>Total</b>                 | <b>45</b> | <b>47</b> | <b>37</b> | <b>47</b> | <b>37</b> | <b>32</b> | <b>32</b> | <b>47</b> | <b>39</b> | <b>-13.3</b>   |

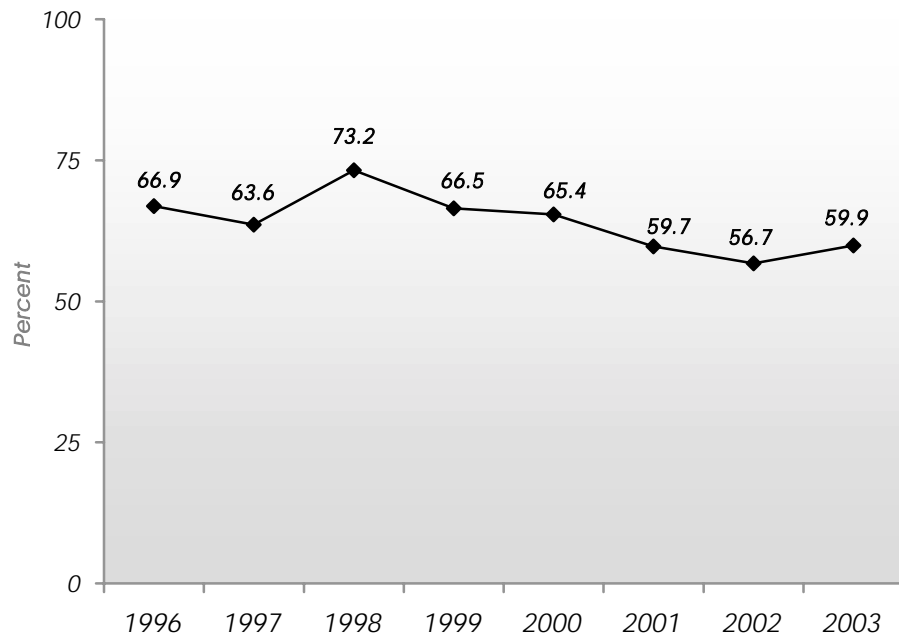
Source: California Department of Health Services, *Epidemiology and Prevention for Injury Control Branch*, 2004. Population figures for 1994-2001: State of California, Department of Finance, *Race/Ethnic Population with Age and Sex Detail*, 1970-2040. Sacramento, CA, December 1998. Population figures for 2002: State of California, Department of Finance, *Race/Ethnic Population with Age and Sex Detail*, 2000-2050, Sacramento, California, May 2004.

Note: Intentional injuries include intentional self-harm / suicide and assault / homicide injuries. 2002 population updated to reflect the 2000 U.S. Census.

## Alcohol Use

This indicator measures reported use of alcohol as well as the availability of alcohol in the community.

*How many times a week do you drink more than 2 alcoholic drinks in one sitting? (Respondents answering “Never”)*



Source: Santa Cruz County Community Assessment Project, Telephone Survey 2003.


 **New data not available**

*How many times a week do you drink more than 2 alcoholic drinks in one sitting?*

| Number of Times          | 1996       | 1997       | 1998       | 1999       | 2000       | 2001       | 2002       | 2003       |
|--------------------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Never                    | 66.9       | 63.6       | 73.2       | 66.5       | 65.4       | 59.7       | 56.7       | 59.9       |
| 1                        | 14.7       | 15.9       | 12.8       | 9.5        | 16.6       | 16.1       | 17.5       | 14.8       |
| 2                        | 7.2        | 8.5        | 6.2        | 6.8        | 10.5       | 8.5        | 9.7        | 9.3        |
| 3                        | 3.9        | 3.7        | 2.7        | 5.7        | 3.8        | 5.7        | 4.3        | 4.2        |
| 4                        | 2.0        | 2.0        | 1.2        | 3.4        | 1.4        | 1.9        | 1.6        | 2.2        |
| 5                        | 0.8        | 2.0        | 1.0        | 1.8        | 0.9        | 3.6        | 3.0        | 3.8        |
| 6                        | 0.4        | 0.0        | 0.0        | 1.3        | 0.2        | 1.1        | 0.8        | 0.9        |
| 7                        | 4.1        | 4.3        | 2.9        | 5.0        | 1.2        | 2.9        | 5.7        | 4.2        |
| <b>Total Respondents</b> | <b>489</b> | <b>508</b> | <b>514</b> | <b>558</b> | <b>656</b> | <b>702</b> | <b>681</b> | <b>700</b> |

Source: Santa Cruz County Community Assessment Project, Telephone Survey 2003.

Note: See appendix for results of statistical testing for this question.

 *Percent of respondents indicating they have had 5 or more alcoholic drinks in the past month:*

| 2001 CHIS Data         | Santa Cruz     | California        |
|------------------------|----------------|-------------------|
| 1                      | 12.7           | 10.7              |
| 2                      | 6.8            | 5.7               |
| 3                      | 4.0            | 2.5               |
| 4                      | 3.8            | 2.7               |
| 5+                     | 3.6            | 4.6               |
| <b>Estimated Total</b> | <b>132,000</b> | <b>14,004,000</b> |

Source: California Health Interview Survey, 2001.

 **New data not available**

## QUALITY OF LIFE INDICATOR 63

## Availability of Alcohol

This chart compares the number and rate of retail alcohol outlets in the County versus the state. Retail alcohol outlets include off-sale establishments, where alcohol is sold for consumption off premises, such as supermarkets and liquor stores, as well as places where alcohol is consumed on the premises (bars, restaurants, etc.).

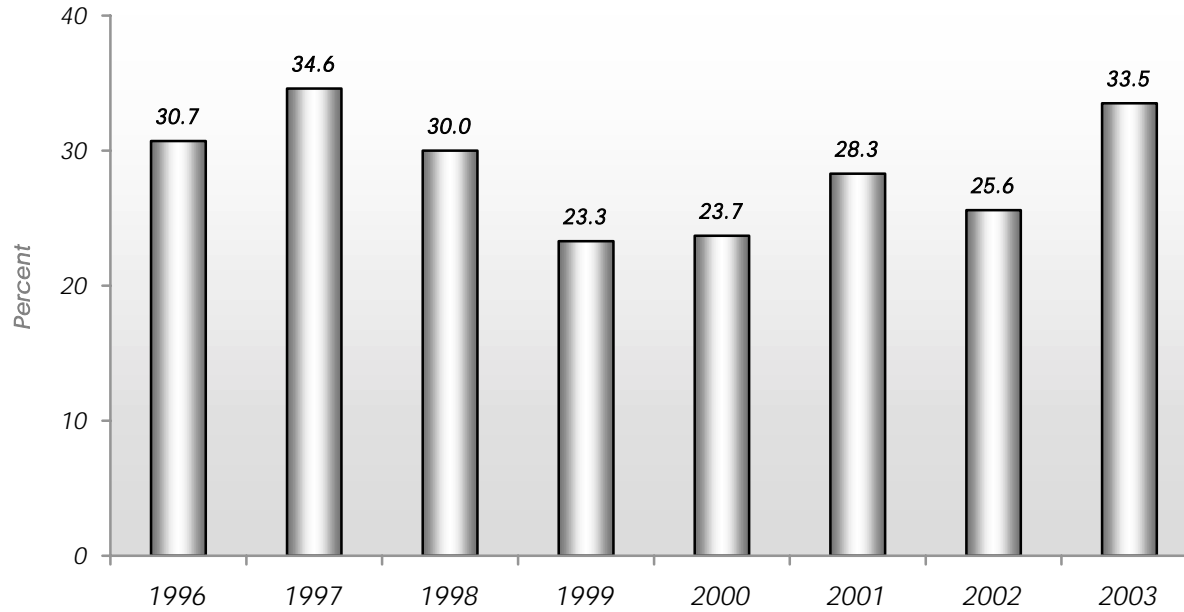
### Number of Alcohol Outlets per 1,000 People

|   | 1995       | 1996       | 1997       | 1998       | 1999       | 2000       | 2001       | 2002       | 2003       | 95-03<br>% Change |
|---|------------|------------|------------|------------|------------|------------|------------|------------|------------|-------------------|
| Wholesale and Retail Alcohol Outlets - County | 679        | 663        | 668        | 657        | 638        | 641        | 641        | 637        | 713        | 5.0               |
| Wholesale and Retail Alcohol Outlets - State  | NA         | 66,678     | 66,459     | 66,295     | 66,268     | 66,436     | 71,216     | 71,696     | 73,227     | NA                |
| <b>Outlets per 1,000 People - County</b>      | <b>2.8</b> | <b>2.7</b> | <b>2.7</b> | <b>2.6</b> | <b>2.5</b> | <b>2.5</b> | <b>2.4</b> | <b>2.4</b> | <b>2.8</b> | <b>0</b>          |
| Outlets per 1,000 People - State              | 2.1        | 2.1        | 2.0        | 2.0        | 2.0        | 1.9        | 2.0        | 2.0        | 2.1        | 0                 |

Source: California Department of Alcohol Beverage Control, 2004. *Population figures for 1995-2002*: State of California, Department of Finance, *Race/Ethnic Population with Age and Sex Detail*, 1970-2040. Sacramento, CA, December 1998. *Population figures for 2003*: State of California, Department of Finance, *Race/Ethnic Population with Age and Sex Detail*, 2000-2050, Sacramento, California, May 2004.

## Acceptance of Marijuana Use

*How acceptable do you find the use of marijuana for recreational or non-medicinal use? (Respondents answering “Acceptable”)*



| Total respondents | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 |
|-------------------|------|------|------|------|------|------|------|------|
| Overall           | 475  | 489  | 497  | 558  | 657  | 700  | 681  | 693  |

Source: Santa Cruz County Community Assessment Project, *Telephone Survey*, 2003.

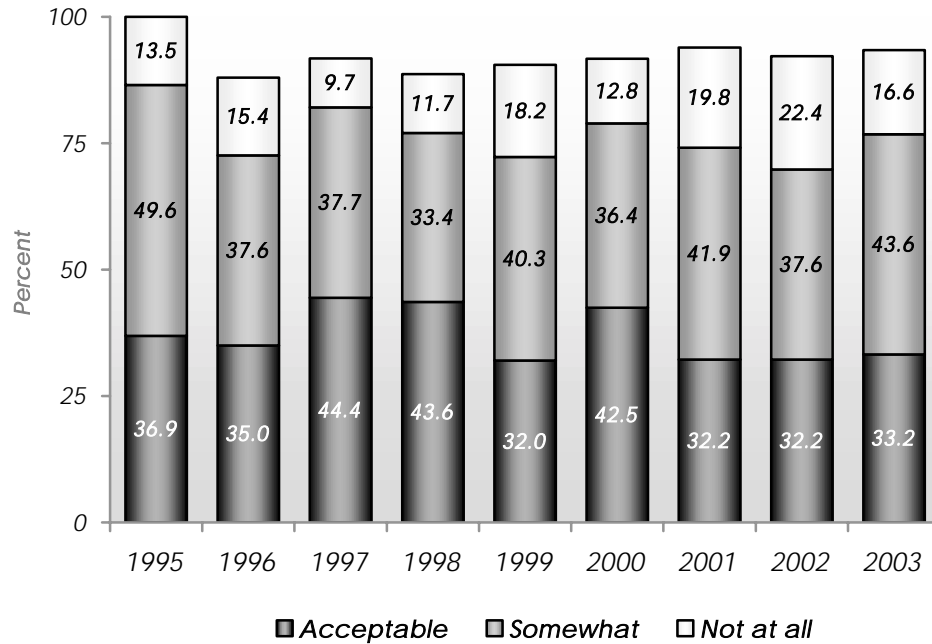
Notes: Question was re-worded in 1999 to include “recreational or non-medicinal.” See appendix for results of statistical testing for this question.

 **New data not available**

QUALITY OF LIFE INDICATOR 64

# Community Acceptance of Marijuana Use

*How acceptable do you think our community finds the use of marijuana for recreational or non-medicinal use?*



| Total respondents | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 |
|-------------------|------|------|------|------|------|------|------|------|------|
| Overall           | 282  | 492  | 504  | 512  | 559  | 657  | 702  | 681  | 698  |

Notes: Due to low numbers, the “don’t know” response is not included in the graph. Question was re-worded in 1999 to include “recreational or non-medicinal.”

**New data not available**

*Why do you think our community feels this way? (Selected responses)*

Respondents who said that they think that our community finds the use of marijuana for recreational or non-medicinal use to be:

| Acceptable         | 2000 | 2001 | 2002 | 2003 |
|--------------------|------|------|------|------|
| Liberal / Tolerant | 45.2 | 46.0 | 40.7 | 35.3 |
| Acceptable         | 9.7  | 14.4 | 12.6 | 19.2 |
| Many people use it | 29.0 | 14.1 | 18.2 | 16.7 |
| Hippies            | 10.4 | 13.6 | 10.3 | 8.0  |

Year 2003: 231 respondents offering 285 responses.

Respondents who said that they think that our community finds the use of marijuana for recreational or non-medicinal use to be:

| Somewhat acceptable | 2000 | 2001 | 2002 | 2003 |
|---------------------|------|------|------|------|
| Liberal / Tolerant  | 42.4 | 32.7 | 37.2 | 33.1 |
| Many people use it  | 23.5 | 16.0 | 15.9 | 14.6 |
| OK for medical use  | 8.0  | 9.8  | 8.3  | 14.5 |
| Acceptable          | 5.0  | 9.4  | 12.2 | 9.6  |

Year 2003: 305 respondents offering 381 responses.

Respondents who said that they think that our community finds the use of marijuana for recreational or non-medicinal use to be:

| Not at all acceptable    | 2000 | 2001 | 2002 | 2003 |
|--------------------------|------|------|------|------|
| Illegal / Bad for health | 12.2 | 41.4 | 21.8 | 32.8 |
| Not acceptable           | 54.9 | 20.3 | 33.9 | 16.1 |
| Addicted to it           | 4.9  | 9.1  | 4.6  | 3.6  |
| Should not be legal      | 8.5  | 8.8  | 4.1  | 6.5  |

Year 2003: 113 respondents offering 135 responses.

Source: Santa Cruz County Community Assessment Project, Telephone Survey, 2003.

Note: See appendix for results of statistical testing for this question.

# Tobacco Use – Students

This table represents the self-reported use of tobacco by students.

## Percent of Students Using Cigarettes, Santa Cruz County

| Frequency of Use                  | 1994 | 1996 | 1998 | 2000 | 2002 |
|-----------------------------------|------|------|------|------|------|
| Ever Used <sup>1</sup>            |      |      |      |      |      |
| 7 <sup>th</sup> Grade             | NA   | NA   | NA   | 19.0 | 14.0 |
| 9 <sup>th</sup> Grade             | 65.0 | 55.0 | 51.0 | 38.0 | 31.0 |
| 11 <sup>th</sup> Grade            | 64.0 | 66.0 | 59.0 | 55.0 | 40.0 |
| Used in Last 30 Days <sup>1</sup> |      |      |      |      |      |
| 7 <sup>th</sup> Grade             | NA   | NA   | NA   | 6.0  | 5.0  |
| 9 <sup>th</sup> Grade             | NA   | NA   | 24.0 | 13.0 | 9.0  |
| 11 <sup>th</sup> Grade            | NA   | NA   | 27.0 | 19.0 | 11.0 |

Source: The American Drug and Alcohol Survey 1994-1998. California Healthy Kids Survey, 2002.

 **New data not available**

## Percent of Students using *Smokeless* Tobacco Use in the Last 30 Days, Santa Cruz County

| Grade                  | 1998 | 2000 |
|------------------------|------|------|
| 8 <sup>th</sup> Grade  | 2.0  | NA   |
| 9 <sup>th</sup> Grade  | 2.0  | 3.0  |
| 11 <sup>th</sup> Grade | 4.0  | 3.0  |

Source: California Healthy Kids Survey, 2000.

<sup>1</sup>The question changed in 2000 from “used cigarettes” to “tried even one or two puffs of a cigarette.”

 **New data not available**

## Percent of Students Using Cigarettes in the Last 30 Days - State Comparison

| Grade                  | 1993 | 1995 | 1997 | 1999 <sup>2</sup> | 2001 | 2003 <sup>3</sup> |
|------------------------|------|------|------|-------------------|------|-------------------|
| 7 <sup>th</sup> Grade  | NA   | NA   | NA   | 7.0               | 4.0  | 4.9               |
| 9 <sup>th</sup> Grade  | 30.2 | 28.2 | 29.0 | 13.0              | 11.0 | 10.2              |
| 11 <sup>th</sup> Grade | 29.1 | 30.5 | 29.3 | 21.0              | 19.0 | 14.8              |

Source: California Attorney General’s Office, *Tenth Biennial California Student Survey*, 2004.

<sup>2</sup>Part of the decline in smoking may be attributable to a change in question wording.

<sup>3</sup>Data from the 2003-2004 school year.

## Percent of Students Using Cigarettes in the Last 30 Days - State Comparison

| Grade                  | 1994 | 1996 | 1998 | 2000 | 2002 |
|------------------------|------|------|------|------|------|
| 8 <sup>th</sup> Grade  | 18.6 | 21.0 | 19.1 | 14.6 | 10.7 |
| 10 <sup>th</sup> Grade | 25.4 | 30.4 | 27.6 | 23.9 | 17.7 |
| 12 <sup>th</sup> Grade | 31.2 | 34.0 | 35.1 | 31.4 | 26.7 |

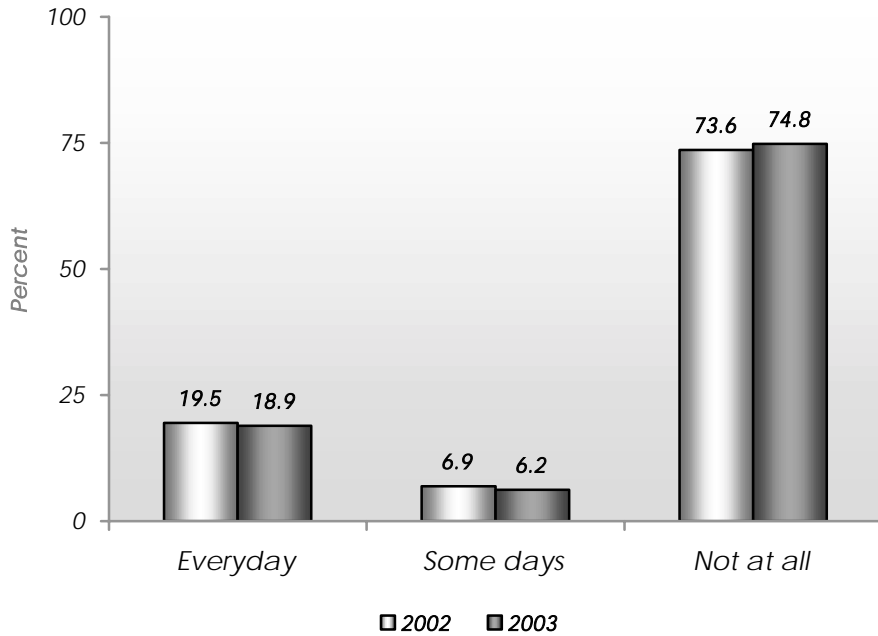
Source: University of Michigan, Institute for Social Research, *Monitoring the Future*, 2003.


 **New data not available**

QUALITY OF LIFE INDICATOR 66

 **Tobacco Use**


*Do you now smoke cigarettes every day, some days, or not at all?*



 *Percent of respondents indicating they smoke every day, some days or not at all (asked of adults who have smoked at least 100 cigarettes).*

| 2001 CHIS Data         | Santa Cruz    | California        |
|------------------------|---------------|-------------------|
| Every Day              | 23.6          | 28.2              |
| Some days              | 17.0          | 12.1              |
| Not at all             | 59.5          | 59.7              |
| <b>Estimated Total</b> | <b>87,000</b> | <b>10,025,000</b> |

Source: California Health Interview Survey, 2001.

 **New data not available**

| Total respondents | 2002 | 2003 |
|-------------------|------|------|
| Overall           | 684  | 703  |

Source: Santa Cruz County Community Assessment Project, *Telephone Survey*, 2003.

*Note: See appendix for results of statistical testing for this question.*

 **New data not available**

# Current Substance Use by Students

This table represents the self-reported drug and alcohol use among youth in Santa Cruz County, as well as statewide and national comparisons.



## Santa Cruz County by Percent

| Use in Last 30 days           | Grade                  | 1994 | 1996 | 1998 | 2000 | 2002 |
|-------------------------------|------------------------|------|------|------|------|------|
| Alcohol <sup>1</sup>          | 7 <sup>th</sup> Grade  | NA   | NA   | NA   | 18.0 | 13.0 |
|                               | 9 <sup>th</sup> Grade  | 51.0 | 42.0 | 38.0 | 39.0 | 31.0 |
|                               | 11 <sup>th</sup> Grade | 55.0 | 53.0 | 51.0 | 51.0 | 46.0 |
| Marijuana                     | 7 <sup>th</sup> Grade  | NA   | NA   | NA   | 7.0  | 6.0  |
|                               | 9 <sup>th</sup> Grade  | 35.0 | 30.0 | 25.0 | 22.0 | 19.0 |
|                               | 11 <sup>th</sup> Grade | 40.0 | 35.0 | 34.0 | 32.0 | 25.0 |
| Cocaine                       | 7 <sup>th</sup> Grade  | NA   | NA   | NA   | NA   | NA   |
|                               | 9 <sup>th</sup> Grade  | 3.0  | 3.0  | 3.0  | 4.0  | 3.0  |
|                               | 11 <sup>th</sup> Grade | 4.0  | 6.0  | 5.0  | 6.0  | 4.0  |
| Methamphetamines <sup>2</sup> | 7 <sup>th</sup> Grade  | NA   | NA   | NA   | NA   | NA   |
|                               | 9 <sup>th</sup> Grade  | 3.0  | 3.0  | 4.0  | 3.0  | 3.0  |
|                               | 11 <sup>th</sup> Grade | 3.0  | 4.0  | 3.0  | 3.0  | 3.0  |
| Inhalants                     | 7 <sup>th</sup> Grade  | NA   | NA   | NA   | 4.0  | 5.0  |
|                               | 9 <sup>th</sup> Grade  | 6.0  | 4.0  | 5.0  | 5.0  | 5.0  |
|                               | 11 <sup>th</sup> Grade | 3.0  | 2.0  | 1.0  | 4.0  | 3.0  |
| Psychedelics                  | 7 <sup>th</sup> Grade  | NA   | NA   | NA   | NA   | NA   |
|                               | 9 <sup>th</sup> Grade  | 10.0 | 6.0  | 5.0  | 4.0  | 4.0  |
|                               | 11 <sup>th</sup> Grade | 10.0 | 8.0  | 4.0  | 5.0  | 3.0  |
| Heroin                        | 7 <sup>th</sup> Grade  | NA   | NA   | NA   | NA   | NA   |
|                               | 9 <sup>th</sup> Grade  | NA   | 1.0  | 2.0  | NA   | NA   |
|                               | 11 <sup>th</sup> Grade | NA   | 2.0  | 1.0  | NA   | NA   |

Source: The American Drug and Alcohol Survey, 1994-1998. California Healthy Kids Survey, 2002.

<sup>1</sup>Changed from “Have you ever had alcohol to drink?” to “During your life have you ever used or tried at least one drink of alcohol, not just a sip-such as a can of beer, glass of wine, wine cooler or liquor?”

 **New data not available**

## California by Percent

| Use in Last 30 Days           | Grade                  | 1994 | 1996 | 1998 | 2000 | 2002 | 2004 |
|-------------------------------|------------------------|------|------|------|------|------|------|
| Alcohol                       | 7 <sup>th</sup> Grade  | 27.8 | 23.2 | 21.7 | 16.0 | 10.0 | 10.0 |
|                               | 9 <sup>th</sup> Grade  | 43.5 | 39.2 | 37.5 | 29.0 | 29.0 | 24.7 |
|                               | 11 <sup>th</sup> Grade | 50.1 | 47.7 | 46.9 | 44.0 | 41.0 | 37.1 |
| Marijuana                     | 7 <sup>th</sup> Grade  | 11.1 | 6.2  | 7.5  | 5.0  | 4.0  | 3.9  |
|                               | 9 <sup>th</sup> Grade  | 22.7 | 23.6 | 18.1 | 13.0 | 13.0 | 12.4 |
|                               | 11 <sup>th</sup> Grade | 25.6 | 25.9 | 25.7 | 24.0 | 23.0 | 19.8 |
| Cocaine/ Crack                | 7 <sup>th</sup> Grade  | 6.0  | 0.9  | 2.0  | NA   | NA   | NA   |
|                               | 9 <sup>th</sup> Grade  | 5.5  | 2.6  | NA   | 1.0  | 2.0  | 2.7  |
|                               | 11 <sup>th</sup> Grade | 3.2  | 3.6  | NA   | 4.0  | 4.0  | 4.8  |
| Methamphetamines <sup>2</sup> | 7 <sup>th</sup> Grade  | 6.1  | 0.7  | 1.7  | NA   | NA   | NA   |
|                               | 9 <sup>th</sup> Grade  | 6.4  | 3.2  | 3.4  | 2.0  | 2.0  | 2.5  |
|                               | 11 <sup>th</sup> Grade | 5.8  | 4.5  | 5.9  | 3.0  | 5.0  | 5.0  |
| Inhalants                     | 7 <sup>th</sup> Grade  | 13.5 | 7.3  | 7.8  | 3.0  | 2.0  | 3.1  |
|                               | 9 <sup>th</sup> Grade  | 13.6 | 10.4 | 8.5  | 3.0  | 3.0  | 4.2  |
|                               | 11 <sup>th</sup> Grade | 7.4  | 6.8  | 5.8  | 3.0  | 4.0  | 4.6  |
| Psychedelics                  | 7 <sup>th</sup> Grade  | 5.7  | 0.6  | 1.4  | NA   | NA   | NA   |
|                               | 9 <sup>th</sup> Grade  | 6.2  | 3.8  | 3.1  | 3.0  | 2.0  | 1.6  |
|                               | 11 <sup>th</sup> Grade | 4.9  | 6.0  | 4.9  | 5.0  | 3.0  | 3.4  |

Source: California Attorney General’s Office, *Tenth Biennial California Student Survey*, 2004.

<sup>2</sup>Includes amphetamines.

## QUALITY OF LIFE INDICATOR 67

# Current Substance Use by Students

## National Comparison - Use in Last 30 Days by Percent

| Substance                  | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 |
|----------------------------|------|------|------|------|------|------|------|------|------|------|
| <b>Alcohol</b>             |      |      |      |      |      |      |      |      |      |      |
| 8 <sup>th</sup> Grade      | 25.5 | 24.6 | 26.2 | 24.5 | 23.0 | 24.0 | 22.4 | 21.5 | 19.6 | 19.7 |
| 10 <sup>th</sup> Grade     | 39.2 | 38.8 | 40.4 | 40.1 | 38.8 | 40.0 | NA   | 39.0 | 35.4 | 35.4 |
| 12 <sup>th</sup> Grade     | 50.1 | 51.3 | 50.8 | 52.7 | 52.0 | 51.0 | 50.0 | 49.8 | 48.6 | 47.5 |
| <b>Marijuana / Hashish</b> |      |      |      |      |      |      |      |      |      |      |
| 8 <sup>th</sup> Grade      | 7.8  | 9.1  | 11.3 | 10.2 | 9.7  | 9.7  | 9.1  | 9.2  | 8.3  | 7.5  |
| 10 <sup>th</sup> Grade     | 15.8 | 17.2 | 20.4 | 20.5 | 18.7 | 19.4 | NA   | 19.8 | 17.8 | 17.0 |
| 12 <sup>th</sup> Grade     | 19.0 | 21.2 | 21.9 | 23.7 | 22.8 | 23.1 | 21.6 | 22.4 | 21.5 | 21.2 |
| <b>Cocaine</b>             |      |      |      |      |      |      |      |      |      |      |
| 8 <sup>th</sup> Grade      | 1.0  | 1.2  | 1.3  | 1.1  | 1.4  | 1.3  | 1.2  | 1.2  | 1.1  | 0.9  |
| 10 <sup>th</sup> Grade     | 1.2  | 1.7  | 1.7  | 2.0  | 2.1  | 1.8  | NA   | 1.3  | 1.6  | 1.3  |
| 12 <sup>th</sup> Grade     | 1.5  | 1.8  | 2.0  | 2.3  | 2.4  | 2.6  | 2.1  | 2.1  | 2.3  | 2.1  |
| <b>Amphetamines</b>        |      |      |      |      |      |      |      |      |      |      |
| 8 <sup>th</sup> Grade      | 3.6  | 4.2  | 4.6  | 3.8  | 3.3  | 3.4  | NA   | 3.2  | 2.8  | 2.7  |
| 10 <sup>th</sup> Grade     | 4.5  | 5.3  | 5.5  | 5.1  | 5.1  | 5.0  | NA   | 5.6  | 5.2  | 4.3  |
| 12 <sup>th</sup> Grade     | 4.0  | 4.0  | 4.1  | 4.8  | 4.6  | 4.5  | NA   | 5.6  | 5.5  | 5.0  |
| <b>Inhalants</b>           |      |      |      |      |      |      |      |      |      |      |
| 8 <sup>th</sup> Grade      | 5.6  | 6.1  | 5.8  | 5.6  | 4.8  | 5.0  | 4.5  | 4.0  | 3.8  | 4.1  |
| 10 <sup>th</sup> Grade     | 3.6  | 3.5  | 3.3  | 3.0  | 2.9  | 2.6  | NA   | 2.4  | 2.4  | 2.2  |
| 12 <sup>th</sup> Grade     | 2.7  | 3.2  | 2.5  | 2.5  | 2.3  | 2.0  | 2.2  | 1.7  | 1.5  | 1.5  |
| <b>Hallucinogens</b>       |      |      |      |      |      |      |      |      |      |      |
| 8 <sup>th</sup> Grade      | 1.3  | 1.7  | 1.9  | 1.8  | 1.4  | 1.3  | 1.2  | 1.2  | 1.2  | 1.2  |
| 10 <sup>th</sup> Grade     | 2.4  | 3.3  | 2.8  | 3.3  | 3.2  | 2.9  | NA   | 2.1  | 1.6  | 1.5  |
| 12 <sup>th</sup> Grade     | 3.1  | 4.4  | 3.5  | 3.9  | 3.8  | 3.5  | 2.6  | 3.2  | 2.3  | 1.8  |
| <b>Heroin</b>              |      |      |      |      |      |      |      |      |      |      |
| 8 <sup>th</sup> Grade      | 0.6  | 0.6  | 0.7  | 0.6  | 0.6  | 0.6  | 0.5  | 0.6  | 0.5  | 0.4  |
| 10 <sup>th</sup> Grade     | 0.4  | 0.6  | 0.5  | 0.6  | 0.7  | 0.7  | NA   | 0.3  | 0.5  | 0.3  |
| 12 <sup>th</sup> Grade     | 0.3  | 0.6  | 0.5  | 0.5  | 0.5  | 0.5  | 0.7  | 0.4  | 0.5  | 0.4  |

Source: University of Michigan, Institute for Social Research, *Monitoring the Future*, 2004.

Note: The "Monitoring the Future" survey does not indicate the school year, only the calendar year.

## Mental and Physical Health


These tables represent people's perception of their mental and physical health, an important indicator of well-being

*Would you say that in general your mental health (including stress, depression and problems with emotions) is:*

| Response                 | 1996       | 1997       | 1998       | 1999       | 2000       | 2001       | 2002       | 2003       |
|--------------------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Excellent                | 27.1       | 27.7       | 30.9       | 36.0       | 31.2       | 29.5       | 32.8       | 33.3       |
| Very good                | 37.5       | 36.9       | 40.9       | 37.1       | 39.4       | 36.6       | 33.8       | 34.4       |
| Good                     | 23.6       | 22.4       | 21.6       | 21.3       | 20.7       | 22.0       | 23.5       | 21.1       |
| Fair                     | 10.0       | 10.8       | 5.6        | 5.0        | 7.6        | 9.3        | 7.7        | 9.4        |
| Poor                     | 1.8        | 2.2        | 1.0        | 0.5        | 1.2        | 1.9        | 2.3        | 1.4        |
| <b>Total Respondents</b> | <b>499</b> | <b>506</b> | <b>514</b> | <b>558</b> | <b>658</b> | <b>705</b> | <b>682</b> | <b>700</b> |

Source: Santa Cruz County Community Assessment Project, *Telephone Survey*, 2003.


 **New data not available**

 *Percent of respondents who said they have needed help with emotional/mental health problems in the past 12 months.*


| CHIS Data              | Santa Cruz     | California        |
|------------------------|----------------|-------------------|
| Yes                    | 17.1           | 15.1              |
| No                     | 82.9           | 84.9              |
| <b>Estimated Total</b> | <b>185,000</b> | <b>23,719,000</b> |

Source: California Health Interview Survey, 2001.


 **New data not available**

 *Percent of respondents who said they have visited a specialist for emotional/mental health problems in the past 12 months.*

| CHIS Data              | Santa Cruz     | California        |
|------------------------|----------------|-------------------|
| Yes                    | 13.3           | 7.6               |
| No                     | 86.7           | 92.4              |
| <b>Estimated Total</b> | <b>186,000</b> | <b>23,775,000</b> |

 *Percent of respondents who said their insurance covers treatment for mental health.*

| CHIS Data              | Santa Cruz     | California        |
|------------------------|----------------|-------------------|
| Yes                    | 83.4           | 83.9              |
| No                     | 16.6           | 16.1              |
| <b>Estimated Total</b> | <b>111,000</b> | <b>14,067,000</b> |

 *Percent of respondents who said they have discussed emotional/mental health problems with a medical person.*

| CHIS Data              | Santa Cruz    | California       |
|------------------------|---------------|------------------|
| Yes                    | 41.6          | 36.8             |
| No                     | 58.4          | 63.2             |
| <b>Estimated Total</b> | <b>39,000</b> | <b>3,881,000</b> |

Source: California Health Interview Survey, 2001.

 **New data not available**

## QUALITY OF LIFE INDICATOR 68

 **Mental and Physical Health**

*Would you say that in general, your physical health (including physical illness and injury) is:*

| Response                 | 1996       | 1997       | 1998       | 1999       | 2000       | 2001       | 2002       | 2003       |
|--------------------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Excellent                | 27.1       | 27.7       | 29.4       | 29.0       | 24.8       | 24.6       | 24.3       | 25.7       |
| Very good                | 37.5       | 36.9       | 36.6       | 38.3       | 38.8       | 33.0       | 33.2       | 41.0       |
| Good                     | 23.6       | 22.4       | 22.8       | 19.7       | 24.8       | 24.6       | 24.9       | 20.2       |
| Fair                     | 10.0       | 10.8       | 9.3        | 10.4       | 10.3       | 12.3       | 13.5       | 10.8       |
| Poor                     | 1.8        | 2.2        | 1.9        | 2.7        | 1.4        | 5.1        | 4.0        | 2.3        |
| <b>Total Respondents</b> | <b>501</b> | <b>509</b> | <b>514</b> | <b>559</b> | <b>658</b> | <b>706</b> | <b>684</b> | <b>702</b> |

Source: Santa Cruz County Community Assessment Project, *Telephone Survey*, 2003.

 **New data not available**

 *Percent of respondents indicating their general health is:*

| CHIS Data              | Santa Cruz     | California        |
|------------------------|----------------|-------------------|
| Excellent              | 25.9           | 19.5              |
| Very Good              | 33.0           | 32.2              |
| Good                   | 25.5           | 30.5              |
| Fair                   | 13.3           | 14.3              |
| Poor                   | 2.4            | 3.6               |
| <b>Estimated Total</b> | <b>186,000</b> | <b>23,829,000</b> |

Source: California Health Interview Survey, 2001.

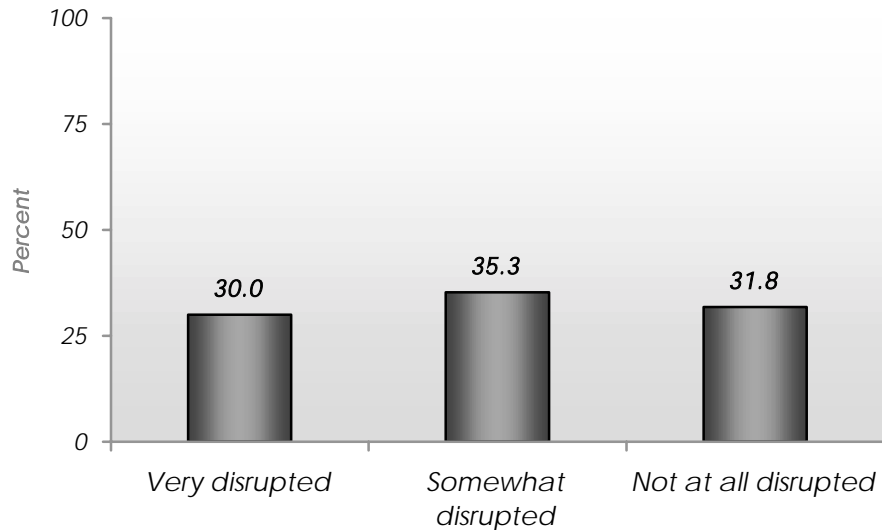
 **New data not available**

## Disability Status

*Is there someone in your household with a disability?*

| Response                 | 2003       |
|--------------------------|------------|
| Yes                      | 14.2       |
| No                       | 85.8       |
| <b>Total Respondents</b> | <b>702</b> |

*How disrupted would you say your family is by the need to care for a family member who has a disability?*



| Total respondents | 2003 |
|-------------------|------|
| Overall           | 88   |

*How has your ability to care for your family member with a disability changed in the past year?*

| Response                 | 2003      |
|--------------------------|-----------|
| Gotten easier            | 17.4      |
| No change                | 40.3      |
| Gotten harder            | 40.0      |
| <b>Total Respondents</b> | <b>81</b> |

Source: Santa Cruz County Community Assessment Project, *Telephone Survey*, 2003.

*Note: See appendix for results of statistical testing for this question.*

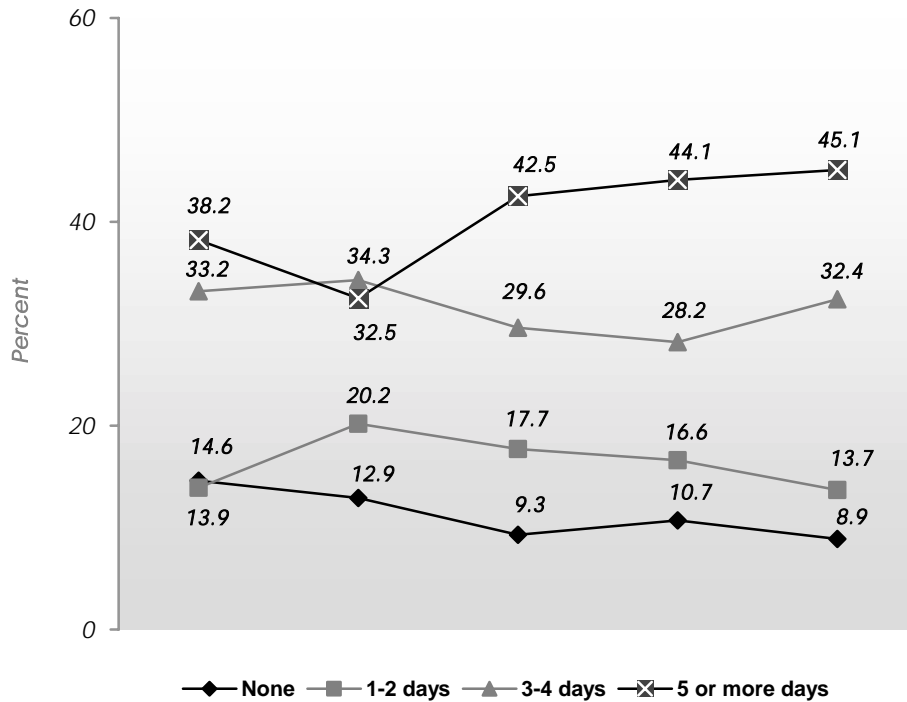
 **New data not available**

QUALITY OF LIFE INDICATOR 70

 **Health Promotion**

Physical activity is an important factor in achieving and maintaining good health.

*How many days a week do you engage in physical activity for a combined total of 30 minutes or more?*



*How many days a week do you engage in physical activity for a combined total of 30 minutes or more?*

| Response                 | 1999       | 2000       | 2001       | 2002       | 2003       |
|--------------------------|------------|------------|------------|------------|------------|
| None                     | 14.6       | 12.9       | 9.9        | 10.7       | 8.9        |
| 1 - 2 days               | 13.9       | 20.2       | 17.7       | 16.6       | 13.7       |
| 3 - 4 days               | 33.2       | 34.3       | 29.6       | 28.2       | 32.4       |
| 5 or more days           | 38.2       | 32.5       | 42.5       | 44.1       | 45.1       |
| <b>Total Respondents</b> | <b>560</b> | <b>658</b> | <b>705</b> | <b>684</b> | <b>699</b> |

Source: Santa Cruz County Community Assessment Project, *Telephone Survey*, 2003.

 **New data not available**

# Diabetes

The projected number of adults with diagnosed Diabetes in Santa Cruz County is roughly 5%, while that percentage is 6% for California. Of the total number of adults diagnosed with Diabetes, 5-10% would have Type 1 Diabetes and 90-96% would have Type 2 Diabetes.

Projected<sup>1</sup> Number of Adults with Diagnosed Diabetes by Gender, Age Group, and Ethnicity, Santa Cruz County, 2000

|                     | Both<br>Genders | Rate per 1,000<br>population | Females         |            |                 | Males           |            |                 |
|---------------------|-----------------|------------------------------|-----------------|------------|-----------------|-----------------|------------|-----------------|
|                     |                 |                              | 18 and<br>above | 18-44      | 45 and<br>above | 18 and<br>above | 18-44      | 45 and<br>above |
| African-American    | 160             | 74.8                         | 61              | 11         | 51              | 99              | 8          | 91              |
| Hispanic            | 2,602           | 69.7                         | 1,368           | 365        | 1,003           | 1,234           | 244        | 989             |
| Caucasian           | 6,193           | 42.5                         | 3,162           | 326        | 2,836           | 3,031           | 468        | 2,563           |
| Other               | 700             | NA                           | 294             | 48         | 246             | 406             | 94         | 312             |
| <b>County Total</b> | <b>9,655</b>    | <b>49.6</b>                  | <b>4,885</b>    | <b>749</b> | <b>4,136</b>    | <b>4,770</b>    | <b>815</b> | <b>3,955</b>    |

Projected<sup>1</sup> Number of Adults with Diagnosed Diabetes by Gender, Age Group, and Ethnicity, California, 2000

|                    | Both<br>Genders  | Rate per 1,000<br>population | Females         |                |                 | Males           |                |                 |
|--------------------|------------------|------------------------------|-----------------|----------------|-----------------|-----------------|----------------|-----------------|
|                    |                  |                              | 18 and<br>above | 18-44          | 45 and<br>above | 18 and<br>above | 18-44          | 45 and<br>above |
| African-American   | 136,877          | 83.8                         | 68,702          | 7,888          | 60,814          | 68,175          | 5,315          | 62,860          |
| Hispanic           | 458,908          | 69.9                         | 245,514         | 63,926         | 181,589         | 213,394         | 42,874         | 170,520         |
| Caucasian          | 576,037          | 42.2                         | 295,992         | 30,378         | 265,615         | 280,045         | 45,361         | 234,684         |
| Other              | 221,282          | NA                           | 94,417          | 15,151         | 79,266          | 126,866         | 31,822         | 95,043          |
| <b>State Total</b> | <b>1,393,105</b> | <b>56.0</b>                  | <b>704,626</b>  | <b>117,343</b> | <b>587,283</b>  | <b>688,479</b>  | <b>125,372</b> | <b>563,107</b>  |

Source: Department of Health Services, California Diabetes Control Program, *The Burden of Diabetes in California Counties*, 2000. State of California, Department of Finance, Race/Ethnic Population with Age and Sex Detail, 1970-2040. Sacramento, CA, December 1998.

<sup>1</sup>Based on California Behavioral Risk Factor Surveys, 1996-98, and California Department of Finance's population projections for the year 2000. Numbers may not add up due to rounding.

 **New data not available**

## QUALITY OF LIFE INDICATOR 71

## Diabetes – 2001

Diabetes prevalence data is based on findings from the 2001 California Health Interview Survey (CHIS) and shows the percentage of residents who have been diagnosed with diabetes. This is most likely an undercount as it is estimated that only 70% of those with diabetes have been clinically diagnosed. Statewide, Santa Cruz ranks third (one being the best) for diabetes prevalence.

### Diabetes Prevalence, 2001

| <b>County of Residence</b> | <b>Percent</b> | <b>Year 2010<br/>National Objective</b> |
|----------------------------|----------------|---|
| Monterey / San Benito      | 4.9            | 2.5                                     |
| <b>Santa Cruz</b>          | <b>4.0</b>     |   |
| State                      | 6.1            |   |

Source: California Department of Health Services, Center for Health Statistics, *Prevalence of Diabetes in California Counties in 2001, 2004*.

## Reported Communicable Diseases

Communicable diseases are an indicator of a community's overall health, and are largely preventable and/or treatable.

### Reported Cases, Three Year Averages

| Disease                    | 93-95 | 94-96 | 95-97 | 96-98 | 97-99 | 98-00 | 99-01 | 00-02 | 01-03 | 93-03<br>% Change |
|----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------------------|
| Chlamydia                  | 338   | 333   | 336   | 342   | 360   | 433   | 501   | 547   | 561   | 66.0              |
| Gonorrhea                  | 40    | 37    | 37    | 43    | 39    | 37    | 37    | 40    | 48    | 20.0              |
| Hepatitis A                | 44    | 54    | 54    | 50    | 43    | 23    | 18    | 15    | 12    | -72.7             |
| Hepatitis B (Acute)        | 12    | 12    | 12    | 11    | 11    | 7     | 7     | 5     | 5     | -58.3             |
| Lyme Disease               | 3     | 3     | 3     | 3     | 3     | 3     | 5     | 6     | 7     | 133.3             |
| Measles                    | 2     | 1     | 1     | 1     | 3     | 3     | 4     | 2     | 0     | -100.0            |
| Pertussis (Whooping Cough) | 15    | 28    | 28    | 60    | 66    | 57    | 33    | 30    | 45    | 200.0             |
| Salmonellosis              | 52    | 53    | 53    | 51    | 44    | 37    | 41    | 44    | 43    | -17.3             |
| Shigellosis                | 32    | 36    | 36    | 28    | 30    | 24    | 22    | 18    | 24    | -25.0             |
| Syphilis                   | 16    | 13    | 13    | 6     | 4     | 1     | 1     | 1     | 5     | -68.8             |
| Tuberculosis               | 24    | 20    | 20    | 15    | 14    | 10    | 8     | 6     | 7     | -70.8             |

Source: Santa Cruz County Health Services Agency, *Communicable Disease Morbidity Comparisons*, 2004.

QUALITY OF LIFE INDICATOR 72

# Reported Communicable Diseases – AIDS

## Newly Diagnosed Cases of AIDS by Ethnicity

| <b>Ethnicity</b> | <b>1994</b> | <b>1995</b> | <b>1996</b> | <b>1997</b> | <b>1998</b> | <b>1999</b> | <b>2000</b> | <b>2001</b> | <b>2002</b> | <b>2003</b> | <b>94-03<br/>% Change</b> |
|------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|---------------------------|
| Caucasian        | 34          | 34          | 15          | 22          | 14          | 18          | 12          | 8           | 12          | 15          | -55.9                     |
| Hispanic         | 6           | 9           | 6           | 3           | 5           | 10          | 6           | 3           | 5           | 2           | -66.7                     |
| African American | 0           | 1           | 1           | 0           | 2           | 3           | 2           | 0           | 0           | 0           | 0                         |
| Asian            | 1           | 3           | 0           | 0           | 0           | 1           | 0           | 0           | 0           | 0           | -100.0                    |
| Native American  | 0           | 0           | 1           | 2           | 0           | 1           | 0           | 0           | 1           | 0           | 0                         |
| Other / unknown  | 0           | 0           | 0           | 0           | 0           | 0           | 1           | 0           | 0           | 0           | 0                         |
| <b>Total</b>     | <b>41</b>   | <b>47</b>   | <b>23</b>   | <b>27</b>   | <b>21</b>   | <b>33</b>   | <b>21</b>   | <b>11</b>   | <b>18</b>   | <b>17</b>   | <b>-58.5</b>              |

Source: Santa Cruz County Health Services Agency Public Health Division, *HIV/AIDS in Santa Cruz County*, 2004.

*Note: AIDS cases are attributed to the year in which the criteria for case definition were met, rather than to the year in which the disease was reported. Cases may thus be attributed retroactively, for example, to 1997 even if not reported until 2000. Updates are continual.*

# Suicides

Suicide and the underlying problems associated with emotional pain continue to affect residents of all ages in Santa Cruz County.

## Number of Suicides in Santa Cruz County by Age

| Age Group    | 1994      | 1995      | 1996      | 1997      | 1998      | 1999      | 2000      | 2001      | 2002      | 2003      |
|--------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Under 18     | 3         | 1         | 1         | 2         | 1         | 0         | 1         | 1         | 0         | 0         |
| 18-29        | 8         | 4         | 4         | 7         | 7         | 4         | 3         | 2         | 6         | 4         |
| 30-39        | 8         | 8         | 6         | 7         | 3         | 8         | 5         | 8         | 2         | 6         |
| 40-49        | 8         | 8         | 8         | 6         | 11        | 5         | 8         | 5         | 12        | 10        |
| 50-59        | 7         | 1         | 8         | 2         | 5         | 6         | 6         | 8         | 7         | 7         |
| 60 and Above | 7         | 5         | 9         | 4         | 3         | 4         | 11        | 6         | 9         | 16        |
| Age unknown  | 0         | 0         | 0         | 0         | 0         | 1         | 0         | 0         | 0         | 0         |
| <b>Total</b> | <b>41</b> | <b>27</b> | <b>36</b> | <b>28</b> | <b>30</b> | <b>28</b> | <b>34</b> | <b>30</b> | <b>36</b> | <b>43</b> |

Source: Santa Cruz County Coroner's Office, 1994-2002. Santa Cruz County Sheriff's Office, 2004.

Note: Percentage changes are not given because small numbers of cases can generate unstable projections.

## Comparison of Suicide Rates per 100,000, Three-Year Averages

|        | 1992-1994 | 1993-1995 | 1994-1996 | 1995-1997 | 1996-1998 | 1999-2001 | 2000-2002 | Year 2010<br>National Objective |
|--------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---------------------------------|
| County | 14.9      | 14.0      | 12.4      | 10.7      | 10.0      | 11.6      | 12.0      | 5.0                             |
| State  | 10.9      | 10.9      | 10.7      | 10.3      | 9.4       | 9.5       | 9.5       | 5.0                             |

Source: California Department of Health Services and California Conference of Local Health Officers, *County Health Status Profiles*, 2004.

Note: *Healthy People 2010 Objectives* are a set of health objectives for the Nation to achieve over the first decade of the new century. It can be used by many different people, states, communities, professional organizations and others to help develop programs to improve health.

## QUALITY OF LIFE INDICATOR 74

## Leading Causes of Death

Monitoring the causes of death is important for planning prevention activities.

### Santa Cruz County Deaths per 100,000 Population

| Cause of Death                  | 1992-1994    | 1993-1995        | 1994-1996        | 1995-1997        | 1996-1998        | 1999-2001        | 2000-2002        | Year 2010<br>National<br>Objective |
|---------------------------------|--------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------------------------|
| Heart Disease                   | 87.1         | 86.4             | 82.6             | 74.7             | 68.1             | 144.3            | 132.1            | 166.0                              |
| All Cancers                     | 119.0        | 120.8            | 109.0            | 104.3            | 97.0             | 145.4            | 147.3            | 159.9                              |
| Lung Cancer                     | 30.8         | 31.8             | 29.0             | 25.9             | 22.8             | 35.7             | 37.6             | 44.9                               |
| Breast Cancer                   | 22.2         | 23.2             | 21.5             | 20.2             | 19.7             | 20.4             | 19.9             | 22.3                               |
| Stroke                          | 23.3         | 24.7             | 24.7             | 25.3             | 21.7             | 48.9             | 45.5             | 48.0                               |
| Drug-Related                    | 7.6          | 8.9              | 8.5              | 8.6              | *6.9             | 9.9              | 10.3             | 1.0                                |
| Unintentional Injuries          | 23.0         | 23.0             | 23.7             | 23.3             | 23.6             | 24.8             | 24.6             | 17.5                               |
| Suicide                         | 14.9         | 14.0             | 12.4             | 10.7             | 10.0             | 11.6             | 12.0             | 5.0                                |
| Firearm Injuries                | 9.9          | 8.5              | 6.7              | 5.3 <sup>1</sup> | 6.5 <sup>1</sup> | 7.4 <sup>1</sup> | 7.8              | 4.1                                |
| Homicide                        | 4.0          | 3.9 <sup>1</sup> | 3.5 <sup>1</sup> | 3.0 <sup>1</sup> | 3.7 <sup>1</sup> | 3.5 <sup>1</sup> | 3.1 <sup>1</sup> | 3.0                                |
| Motor Vehicle Crashes           | 11.2         | 10.4             | 11.2             | 11.0             | 10.8             | 8.1              | 9.5              | 9.2                                |
| <b>Deaths due to All Causes</b> | <b>416.7</b> | <b>418.7</b>     | <b>405.0</b>     | <b>389.1</b>     | <b>375.8</b>     | <b>677.3</b>     | <b>659.5</b>     | <b>None set</b>                    |

Source: State of California, Department of Health Services and California Conference of Local Health Officers, *County Health Status Profiles*, 2004.

*Note: Data from 1999 on conform to the International Classification of Diseases, Tenth Revision (ICD-10). Previous years' data conformed to ICD-9, which has half as many categories, different coding rules, and some variations in titles and groupings. Data from 1999 and 2000 therefore cannot be combined with previous years to compute three-year averages. Further, data from 1998 and before are age-adjusted to the 1940 U.S. standard population, while data from 1999 are adjusted to the 2000 standard. This change may account for the large increase in the death rate from 1998 to 1999.*

<sup>1</sup>Case rate unreliable, relative standard of error is greater than or equal to 23%.

# Leading Causes of Death

## California Deaths per 100,000 Population

| Cause of Death                  | 1992-1994    | 1993-1995    | 1994-1996    | 1995-1997    | 1996-1998    | 1999-2001    | 2000-2002    | Year 2010 National Objective |
|---------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|------------------------------|
| Heart Disease                   | 103.9        | 101.3        | 100.6        | 96.9         | 93.9         | 194.3        | 186.0        | 166.0                        |
| All Cancers                     | 118.0        | 116.2        | 115.9        | 113.3        | 110.3        | 176.1        | 172.7        | 159.9                        |
| Lung Cancer                     | 32.8         | 32.2         | 31.8         | 31.0         | 30.0         | 45.9         | 44.8         | 44.9                         |
| Breast Cancer                   | 20.0         | 19.7         | 19.7         | 18.9         | 18.3         | 24.5         | 24.1         | 22.3                         |
| Stroke                          | 25.8         | 25.7         | 26.3         | 26.1         | 25.3         | 61.2         | 58.9         | 48.0                         |
| Drug-Related                    | 7.8          | 7.9          | 8.0          | 7.9          | 7.5          | 8.4          | 8.6          | 1.0                          |
| Unintentional Injuries          | 27.1         | 26.6         | 26.6         | 25.7         | 24.2         | 27.2         | 27.6         | 17.5                         |
| Suicide                         | 10.9         | 10.9         | 10.7         | 10.3         | 9.4          | 9.5          | 9.5          | 5.0                          |
| Firearm Injuries                | 17.0         | 16.3         | 15.0         | 13.5         | 11.6         | 9.3          | 9.5          | 4.1                          |
| Homicide                        | 13.4         | 12.7         | 11.8         | 10.6         | 9.0          | 6.2          | 6.5          | 3.0                          |
| Motor Vehicle Crashes           | 13.4         | 13.2         | 13.2         | 12.4         | 11.4         | 10.3         | 11.1         | 9.2                          |
| <b>Deaths due to All Causes</b> | <b>461.7</b> | <b>453.9</b> | <b>454.2</b> | <b>439.9</b> | <b>425.7</b> | <b>760.0</b> | <b>745.0</b> | <b>None set</b>              |

Source: State of California, Department of Health Services and California Conference of Local Health Officers, *County Health Status Profiles*, 2004.

*Note: Data from 1999 on conform to the International Classification of Diseases, Tenth Revision (ICD-10). Previous years' data conformed to ICD-9, which has half as many categories, different coding rules, and some variations in titles and groupings. Data from 1999 and 2000 therefore cannot be combined with previous years to compute three-year averages. Further, data from 1998 and before are age-adjusted to the 1940 U.S. standard population, while data from 1999 are adjusted to the 2000 standard. This change may account for the large increase in the death rate from 1998 to 1999.*

## QUALITY OF LIFE INDICATOR 74

## Leading Causes of Death by Ethnicity, Santa Cruz County

## Caucasian

| Cause of Death                        | 1994         | 1995         | 1996         | 1997         | 1998         | 1999         | 2000         | 2001         | 2002         |
|---------------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Heart Disease                         | 500          | 488          | 455          | 422          | 470          | 424          | 447          | 467          | 403          |
| Cancer                                | 360          | 352          | 324          | 352          | 298          | 305          | 315          | 325          | 362          |
| Stroke                                | 99           | 149          | 115          | 126          | 105          | 81           | 118          | 137          | 108          |
| Chronic Obstructive Pulmonary Disease | 77           | 87           | 97           | 84           | 84           | 75           | 108          | 78           | 58           |
| Pneumonia / Influenza                 | 87           | 82           | 103          | 82           | 84           | 48           | 58           | 141          | 129          |
| Unintentional Injuries                | 43           | 48           | 49           | 52           | 42           | 44           | 41           | 48           | 57           |
| Diabetes Mellitus                     | 22           | 17           | 42           | 19           | 31           | 37           | 28           | 9            | 9            |
| Suicide                               | 32           | 24           | 30           | 19           | 27           | 30           | 31           | 20           | 25           |
| Chronic Liver Disease Cirrhosis       | 22           | 25           | 22           | 20           | 23           | 25           | 23           | 37           | 5            |
| Homicide                              | 3            | 3            | 2            | 1            | 10           | 1            | 3            | 10           | 7            |
| AIDS                                  | 33           | 22           | 18           | 8            | 9            | 8            | 6            | 4            | 3            |
| All Other Causes / Residual           | 231          | 258          | 251          | 259          | 291          | 354          | 259          | 340          | 396          |
| <b>Total</b>                          | <b>1,509</b> | <b>1,555</b> | <b>1,508</b> | <b>1,444</b> | <b>1,474</b> | <b>1,432</b> | <b>1,437</b> | <b>1,616</b> | <b>1,557</b> |

## Latino

| Cause of Death                        | 1994       | 1995       | 1996       | 1997       | 1998       | 1999       | 2000       | 2001       | 2002       |
|---------------------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Heart Disease                         | 27         | 23         | 32         | 25         | 21         | 30         | 46         | 25         | 22         |
| Cancer                                | 24         | 23         | 22         | 39         | 21         | 28         | 26         | 21         | 24         |
| Stroke                                | 11         | 7          | 6          | 6          | 6          | 11         | 10         | 15         | 10         |
| Chronic Obstructive Pulmonary Disease | 3          | 4          | 1          | 0          | 3          | 2          | 2          | 3          | 0          |
| Pneumonia / Influenza                 | 3          | 3          | 2          | 5          | 3          | 0          | 1          | 12         | 11         |
| Unintentional Injuries                | 16         | 19         | 10         | 12         | 5          | 13         | 7          | 19         | 13         |
| Diabetes Mellitus                     | 3          | 2          | 6          | 5          | 8          | 7          | 10         | 2          | 3          |
| Suicide                               | 4          | 4          | 2          | 6          | 1          | 0          | 2          | 1          | 1          |
| Chronic Liver Disease Cirrhosis       | 6          | 3          | 4          | 8          | 4          | 5          | 5          | 7          | 9          |
| Homicide                              | 3          | 5          | 8          | 2          | 4          | 2          | 5          | 5          | 3          |
| AIDS                                  | 2          | 3          | 0          | 5          | 4          | 1          | 3          | 1          | 0          |
| All Other Causes / Residual           | 35         | 31         | 29         | 21         | 44         | 29         | 33         | 32         | 40         |
| <b>Total</b>                          | <b>137</b> | <b>127</b> | <b>122</b> | <b>134</b> | <b>124</b> | <b>128</b> | <b>150</b> | <b>143</b> | <b>136</b> |

Source: Santa Cruz County, *Vital Records*, 2004.**New data not available**

# Leading Causes of Death by Ethnicity, Santa Cruz County

## African American

| Cause of Death                        | 1994      | 1995     | 1996      | 1997      | 1998     | 1999      | 2000      | 2001      | 2002      |
|---------------------------------------|-----------|----------|-----------|-----------|----------|-----------|-----------|-----------|-----------|
| Heart Disease                         | 1         | 0        | 3         | 4         | 2        | 1         | 5         | 1         | 5         |
| Cancer                                | 4         | 2        | 5         | 2         | 4        | 1         | 2         | 1         | 1         |
| Stroke                                | 0         | 0        | 1         | 1         | 1        | 0         | 2         | 4         | 0         |
| Chronic Obstructive Pulmonary Disease | 1         | 0        | 0         | 1         | 0        | 1         | 0         | 0         | 0         |
| Pneumonia / Influenza                 | 0         | 0        | 0         | 1         | 0        | 0         | 0         | 0         | 1         |
| Unintentional Injuries                | 2         | 1        | 0         | 2         | 0        | 2         | 0         | 0         | 0         |
| Diabetes Mellitus                     | 1         | 1        | 1         | 0         | 0        | 3         | 0         | 0         | 0         |
| Suicide                               | 2         | 1        | 0         | 1         | 1        | 0         | 0         | 0         | 0         |
| Chronic Liver Disease Cirrhosis       | 0         | 0        | 0         | 1         | 0        | 0         | 0         | 0         | 0         |
| Homicide                              | 0         | 0        | 0         | 0         | 0        | 0         | 0         | 0         | 0         |
| AIDS                                  | 3         | 0        | 2         | 0         | 0        | 1         | 0         | 1         | 1         |
| All Other Causes / Residual           | 0         | 1        | 2         | 0         | 1        | 3         | 5         | 3         | 4         |
| <b>Total</b>                          | <b>14</b> | <b>6</b> | <b>14</b> | <b>13</b> | <b>9</b> | <b>12</b> | <b>14</b> | <b>10</b> | <b>12</b> |

## Asian / Other (Includes American Indian)

| Cause of Death                        | 1994      | 1995      | 1996      | 1997      | 1998      | 1999      | 2000      | 2001      | 2002      |
|---------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Heart Disease                         | 12        | 12        | 24        | 16        | 20        | 15        | 18        | 17        | 20        |
| Cancer                                | 12        | 4         | 8         | 11        | 6         | 11        | 8         | 13        | 8         |
| Stroke                                | 5         | 5         | 10        | 5         | 3         | 4         | 6         | 6         | 2         |
| Chronic Obstructive Pulmonary Disease | 1         | 0         | 3         | 0         | 1         | 3         | 2         | 0         | 0         |
| Pneumonia / Influenza                 | 4         | 3         | 2         | 0         | 1         | 1         | 1         | 3         | 6         |
| Unintentional Injuries                | 6         | 2         | 0         | 3         | 6         | 4         | 1         | 0         | 2         |
| Diabetes Mellitus                     | 2         | 3         | 4         | 0         | 1         | 0         | 0         | 0         | 1         |
| Suicide                               | 0         | 0         | 2         | 0         | 0         | 1         | 0         | 1         | 1         |
| Chronic Liver Disease Cirrhosis       | 1         | 1         | 0         | 0         | 1         | 1         | 1         | 0         | 3         |
| Homicide                              | 0         | 0         | 0         | 0         | 0         | 1         | 0         | 2         | 0         |
| AIDS                                  | 1         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         |
| All Other Causes / Residual           | 5         | 7         | 6         | 14        | 9         | 4         | 12        | 8         | 3         |
| <b>Total</b>                          | <b>49</b> | <b>37</b> | <b>59</b> | <b>49</b> | <b>48</b> | <b>45</b> | <b>49</b> | <b>50</b> | <b>46</b> |

Source: Santa Cruz County, *Vital Records*, 2004.

 **New data not available**

## QUALITY OF LIFE INDICATOR 74

## Leading Causes of Death by Age Group, Santa Cruz County

Monitoring the causes of death in children helps inform both the public and health practitioners about health risks and areas for prevention.

### Children Under Age 1

| Cause of Death         | 1994      | 1995      | 1996      | 1997      | 1998      | 1999 <sup>1</sup> | 2000 <sup>1</sup> | 2001 <sup>1</sup> | 2002 <sup>1</sup> |
|------------------------|-----------|-----------|-----------|-----------|-----------|-------------------|-------------------|-------------------|-------------------|
| Perinatal Period       | 8         | 3         | 7         | 12        | 7         | 7                 | 8                 | 3                 | 5                 |
| Congenital Anomalies   | 12        | 7         | 11        | 1         | 2         | 9                 | 4                 | 5                 | 2                 |
| Symptoms/ Ill defined  | 4         | 1         | 3         | 0         | 2         | 0                 | 2                 | 3                 | 1                 |
| Heart                  | 1         | 0         | 0         | 1         | 2         | 0                 | 1                 | 0                 | 1                 |
| Unintentional Injuries | 1         | 0         | 0         | 0         | 1         | 0                 | 0                 | 0                 | 0                 |
| AIDS                   | 1         | 0         | 0         | 0         | 0         | 0                 | 0                 | 0                 | 0                 |
| All Other Causes       | 1         | 2         | 0         | 3         | 6         | 1                 | 1                 | 2                 | 4                 |
| <b>Total</b>           | <b>28</b> | <b>13</b> | <b>21</b> | <b>17</b> | <b>20</b> | <b>17</b>         | <b>16</b>         | <b>13</b>         | <b>13</b>         |

### Children Ages 1- 4

| Cause of Death         | 1994     | 1995     | 1996     | 1997     | 1998     | 1999 <sup>1</sup> | 2000 <sup>1</sup> | 2001 <sup>1</sup> | 2002 <sup>1</sup> |
|------------------------|----------|----------|----------|----------|----------|-------------------|-------------------|-------------------|-------------------|
| Cancer                 | 1        | 0        | 1        | 0        | 1        | 0                 | 0                 | 0                 | 0                 |
| Unintentional Injuries | 0        | 0        | 1        | 2        | 1        | 0                 | 0                 | 0                 | 1                 |
| Congenital Anomalies   | 2        | 0        | 0        | 0        | 1        | 0                 | 0                 | 1                 | 0                 |
| AIDS                   | 0        | 1        | 0        | 0        | 0        | 0                 | 0                 | 0                 | 0                 |
| Homicide               | 0        | 0        | 2        | 0        | 0        | 0                 | 0                 | 0                 | 0                 |
| All Other Causes       | 1        | 0        | 0        | 0        | 2        | 0                 | 0                 | 1                 | 0                 |
| <b>Total</b>           | <b>4</b> | <b>1</b> | <b>4</b> | <b>2</b> | <b>5</b> | <b>0</b>          | <b>0</b>          | <b>2</b>          | <b>1</b>          |

<sup>1</sup>Figure revised.

### Children Ages 5-14

| Cause of Death         | 1994     | 1995      | 1996     | 1997     | 1998     | 1999 <sup>1</sup> | 2000 <sup>1</sup> | 2001 <sup>1</sup> | 2002 <sup>1</sup> |
|------------------------|----------|-----------|----------|----------|----------|-------------------|-------------------|-------------------|-------------------|
| Unintentional Injuries | 2        | 2         | 1        | 0        | 3        | 1                 | 1                 | 2                 | 0                 |
| Pneumonia & Influenza  | 0        | 1         | 1        | 1        | 0        | 0                 | 0                 | 0                 | 0                 |
| Cancer                 | 1        | 3         | 0        | 0        | 0        | 3                 | 0                 | 1                 | 0                 |
| Congenital Anomalies   | 0        | 2         | 0        | 1        | 0        | 0                 | 0                 | 0                 | 0                 |
| Aids                   | 0        | 0         | 0        | 1        | 0        | 0                 | 0                 | 0                 | 0                 |
| Homicide               | 0        | 0         | 1        | 0        | 0        | 0                 | 0                 | 2                 | 0                 |
| All Other Causes       | 1        | 2         | 1        | 2        | 3        | 1                 | 0                 | 2                 | 2                 |
| <b>Total</b>           | <b>4</b> | <b>10</b> | <b>4</b> | <b>5</b> | <b>6</b> | <b>5</b>          | <b>1</b>          | <b>7</b>          | <b>2</b>          |

### Children Ages 15-19

| Cause of Death         | 1994     | 1995     | 1996     | 1997      | 1998      | 1999 <sup>1</sup> | 2000 <sup>1</sup> | 2001 <sup>1</sup> | 2002 <sup>1</sup> |
|------------------------|----------|----------|----------|-----------|-----------|-------------------|-------------------|-------------------|-------------------|
| Unintentional Injuries | 2        | 5        | 2        | 6         | 4         | 5                 | 1                 | 4                 | 5                 |
| Homicide               | 1        | 1        | 2        | 1         | 2         | 2                 | 2                 | 0                 | 1                 |
| Suicide                | 1        | 0        | 1        | 2         | 2         | 0                 | 1                 | 1                 | 2                 |
| Cancer                 | 0        | 0        | 1        | 1         | 0         | 0                 | 1                 | 0                 | 0                 |
| AIDS                   | 0        | 0        | 0        | 0         | 1         | 0                 | 0                 | 0                 | 0                 |
| All Other Causes       | 2        | 1        | 0        | 3         | 2         | 2                 | 1                 | 4                 | 0                 |
| <b>Total</b>           | <b>6</b> | <b>7</b> | <b>6</b> | <b>13</b> | <b>11</b> | <b>9</b>          | <b>6</b>          | <b>8</b>          | <b>8</b>          |

Source: Santa Cruz County, *Vital Records*, 2003. California Department of Health Services, 2004.

 **New data not available**