



# Health Issues

"One of the medications I'm required to take is very expensive, and I can't pay for it."

# A Summary of Santa Cruz County's Health Issues, 2003

## Our Goals

*By the Year 2004,*

Santa Cruz County residents will have access to primary medical and dental care.

*By the Year 2004,*

Santa Cruz County youth alcohol and other drug use will be at or below the statewide average.

*By the Year 2004,*

Santa Cruz County residents over age 60 will live healthy and independent lives.

Most of the trend data over the past nine years show improving health status for the people of Santa Cruz County. However, some indicators show worse outcomes in Year Nine of the Community Assessment Project. Births to County teens increased, as did the number of low birth weight

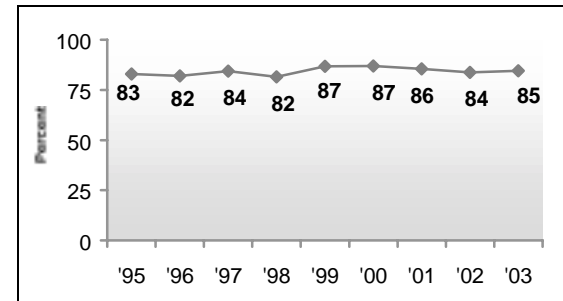
babies. Prenatal care increased for all births but decreased slightly for teens. Survey responses indicate that adult tobacco use is down, while alcohol use is up. More residents are exercising five or more days per week.



Most County residents (84.6%) have a regular source of health care, and 87.9% are able to obtain health care when needed. 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 are less likely to have health insurance coverage. 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

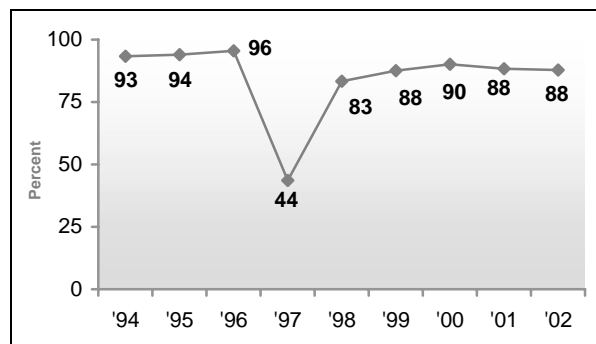
When asked “How long has it been since you last visited a dentist, hygienist, or orthodontist?,” the greatest percentage of respondents (60.7%) answered “one to six months.” Twelve percent of Latino respondents indicated that the time period was more than five years ago, while 5% of Caucasians indicated the same. Seventy-two percent

of respondents have additional health insurance coverage for dental care. Interestingly, a greater percentage of Latino respondents (86.8%) than Caucasian respondents (67.2%) reported having this additional coverage.



The percentage of children with all required immunizations declined slightly from 2001 to 2002 in child care center entrants (-0.7%), kindergarten entrants (-0.6%), and increased for seventh grade entrants (1.8%). These percentages were all lower than their associated state-wide averages.

### Immunization Levels

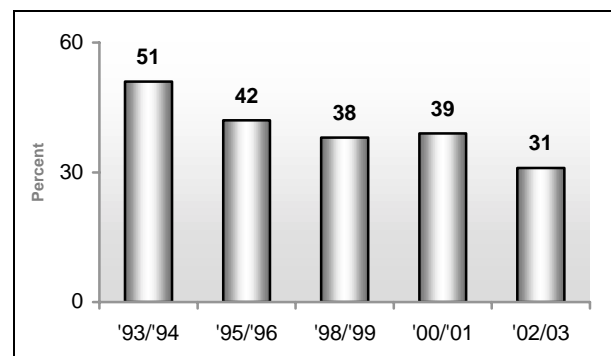


✓ Percent of Santa Cruz County kindergarten entrants with all required immunizations  
 Note: reporting requirements changed in 1997.

Diet, obesity, exercise, tobacco use and substance abuse reflect lifestyle choices that can greatly impact health status. The Pediatric Nutrition Surveillance reports that Santa Cruz County has a high percentage of overweight children. In 2001, the County ranked 40<sup>th</sup> (1 being the best) out of California's 66 counties and health jurisdictions for overweight children aged less 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 61<sup>st</sup> in 2001, a slight improvement from ranking 63<sup>rd</sup> in 2000.

In 2002, the self-reported use of tobacco in the past 30 days declined from 2000 data among 7<sup>th</sup>, 9<sup>th</sup> and 11<sup>th</sup> grade students in Santa Cruz County. The percentage of County 9<sup>th</sup> graders who reported using alcohol in the past 30 days continued to decline from a high of 51.0% in 1994 to 31.0% in 2002.

### Student Alcohol and Drug Use



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

The percentage of survey respondents who reported finding the use of marijuana for recreational purposes acceptable increased from 25.6% in 2002 to 33.5% in 2003. Their opinion of the community's acceptance of marijuana for recreational or non-medicinal use remained the same in 2003 as it was in 2002. The most common reason given for this acceptance was that Santa Cruz is a "liberal/tolerant" community.



Fourteen percent of survey respondents reported having someone in their household with a disability. Thirty percent indicated that their family is “very disrupted” by the need to care for their family member with a disability, and a full 40.0% of respondents said their ability to care for their disabled family member has “gotten harder” in the past year.

The three-year average suicide death rate in Santa Cruz County continued to be higher than those of the state. The 1999-2001 suicide

death rate for the County was 11.6 per 100,000 population compared with 9.5 per 100,000 for California. 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.

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.

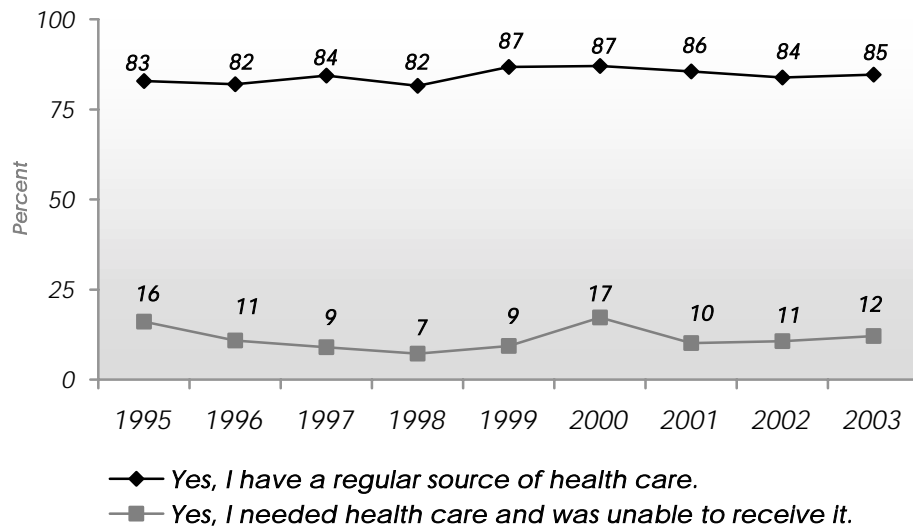
## ☎ Access to Health Care

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

See appendix for results of statistical testing for these questions.

*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	-	-	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	N/A	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 County Community Assessment Project, Telephone Survey.

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

QUALITY OF LIFE INDICATOR 50

 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	-	69.5	80.2	75.2	65.9	76.0	109
25-44	-	85.6	85.2	82.4	80.2	82.4	229
45-64	-	91.6	91.1	86.9	86.2	85.7	251
65 and older	-	96.3	91.5	92.5	94.1	94.7	113

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

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.

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

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

\* 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.

**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.

## 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	% Change
Clinic	8,048	6,700	6,422	6,364	8,243	8,994	9,503	5.7
Private Practice	12,472	11,227	10,853	10,469	11,136	11,853	13,230	11.6
Administrative Members (not linked)	3,624	2,914	3,803	3,695	2,589	2,994	3,329	11.2
Total Alliance Medi-Cal members	24,144	20,841	21,078	20,528	21,968	23,841	26,062	9.3
<b>Total Medi-Cal recipients County-wide</b>	<b>27,483</b>	<b>24,996</b>	<b>23,507</b>	<b>21,404</b>	<b>25,439</b>	<b>26,423</b>	<b>26,786</b>	<b>1.4</b>

Source: Central Coast Alliance For Health, Santa Cruz County Human Resources Agency, 2003.

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.

### Ethnic distribution of enrolled persons, by percent.

Ethnicity	1997	1998	1999	2000	2001	2002	2003
Caucasian	45	45	44	44	40	37	37
Hispanic	40	40	42	43	45	50	51
Other	15	15	14	13	15	13	12
<b>Total</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 Services Agency, 2003.

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.

QUALITY OF LIFE INDICATOR 51

# Low Income Health Care

Regional distribution of enrolled persons, by percent

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

Source: Central Coast Alliance For Health, Santa Cruz County Human Resources Agency, 2003.

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: 2001 California Health Interview Survey.

 **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.

## 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

	May 1999	May 2000	May 2001	May 2002	August 2003	% Change
County	1,023	2,231	2,814	3,635	4,385	20.6
State	132,080	279,173	432,004	562,614	666,984	18.6

### Children Enrolled in Healthy Families, by Ethnicity

Ethnicity	May 1999	May 2000	May 2001	May 2002	August 2003	% Change
Caucasian	211	274	329	525	631	20.2
Hispanic	698	1,687	2,128	2,610	3,100	18.8
Asian / Pacific Islander	21	32	38	61	77	26.2
African American	6	11	16	20	25	25.0
Native American	0	4	8	11	16	45.5
Not Given	87	223	295	11	536	-
<b>Total</b>	<b>1,023</b>	<b>2,231</b>	<b>2,814</b>	<b>3,238</b>	<b>4,385</b>	<b>35.4</b>

Source: Managed Risk Medical Insurance Board, 2003.

### Children Enrolled in Healthy Families, by Selected Zip Code

Zip Code	May 1999	May 2000	May 2001	May 2002	August 2003	% Change
95003 — Aptos/ La Selva	28	49	70	78	109	39.7
95005 — Ben Lomond	17	36	26	38	47	23.7
95006 — Boulder Creek	12	27	27	66	77	16.7
95010 — Capitola	21	31	38	54	86	59.3
95018 — Felton/ Lompico	7	14	15	40	47	17.5
95019 — Freedom	56	162	194	262	327	24.8
95060 — Santa Cruz	72	141	258	316	328	3.8
95062 — Santa Cruz, Live Oak	96	179	255	333	473	42.0
95064 — UCSC	11	10	12	16	15	-6.3
95065 — Santa Cruz	12	26	47	48	69	43.8
95066 — Scotts Valley	26	31	41	69	82	18.8
95073 — Soquel	19	43	42	70	87	24.3
95076 — Watsonville	635	1,449	2,111	2,637	3,118	18.2
7 Other Zip Codes	11	33	48	64	66	3.1
<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>7.2</b>

Source: Managed Risk Medical Insurance Board, 2003.

QUALITY OF LIFE INDICATOR 51

# Low Income Health Care - Medi-Cruz

Medi-Cruz is a Santa Cruz County initiative designed to provide a safety net for those low-income individuals who aren't eligible for other government health care assistance such as Medi-Cal.

## Number of Persons Certified Eligible for Medi-Cruz

	<b>April 1996</b>	<b>April 1997</b>	<b>April 1998</b>	<b>April 1999</b>	<b>April 2000</b>	<b>April 2001</b>	<b>April 2002</b>	<b>April 2003</b>	<b>% Change</b>
Santa Cruz County	963	999	1,007	1,056	1,116	1,232	1,110	1,053	-5.1

*Source: Santa Cruz County Health Services Agency, Medi-Cruz Program, 2003.*

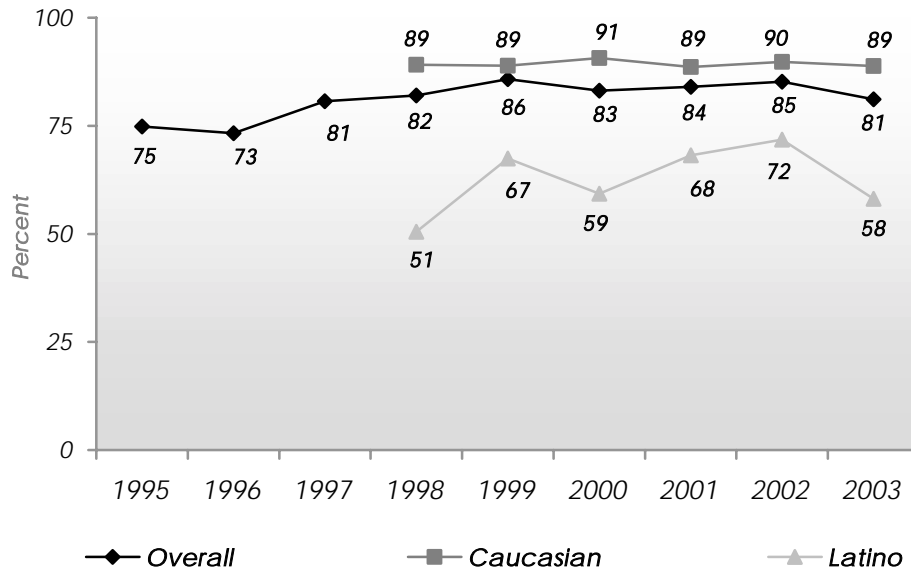
*Medi-Cruz provides health care services to low income individuals not eligible for Medi-Cal. These two programs form the majority of a health care safety net for low income individuals without health insurance. Medi-Cal is generally available to children, seniors, single parent families and the permanently disabled. By comparison, persons eligible for Medi-Cruz are primarily adults aged 21 through 64 who are residents of the County and do not have a Medi-Cal qualifying condition or situation.*

## 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	-	-	-	385	425	441	493	478	491
Latino	-	-	-	92	89	140	159	154	157


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	-	-	-	-	67.8	68.6	56.7	60.0	64.6

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

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

 *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: 2001 California Health Interview Survey.

 **New data not available**

QUALITY OF LIFE INDICATOR 52

 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	-	78.0	73.3	79.5	57.0	70.7	108
25-44	-	82.0	79.1	80.9	85.6	76.5	229
45-64	-	88.1	88.5	84.6	85.8	84.8	252
65 and older	-	98.8	93.4	89.2	95.6	92.0	113

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

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

\* 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.

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

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>

Source: 2001 California Health Interview Survey.

 **New data not available**

*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>

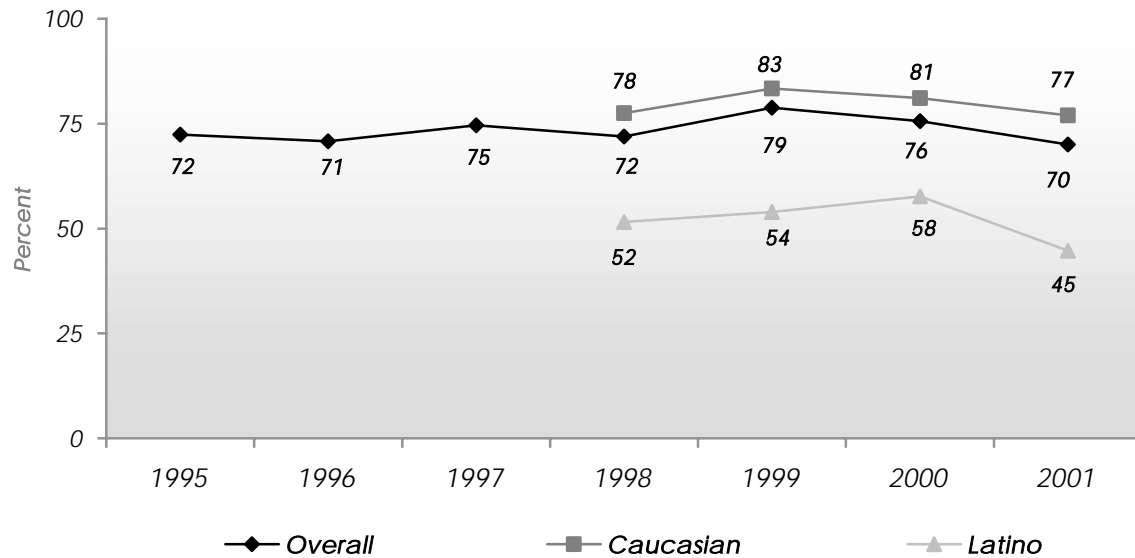
Source: 2001 California Health Interview Survey.

QUALITY OF LIFE INDICATOR 53

# Dental Care – 1995 through 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	-	-	-	382	427	445	492
Latino	-	-	-	91	89	142	156

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

# Dental Care – 1998 through 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	-	62.2	59.8	41.6	76
25-44	-	73.7	74.4	64.3	214
45-64	-	87.1	84.4	81.8	258
65 and older	-	91.4	76.6	72.1	154

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

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

\* 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.

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

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

### 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.

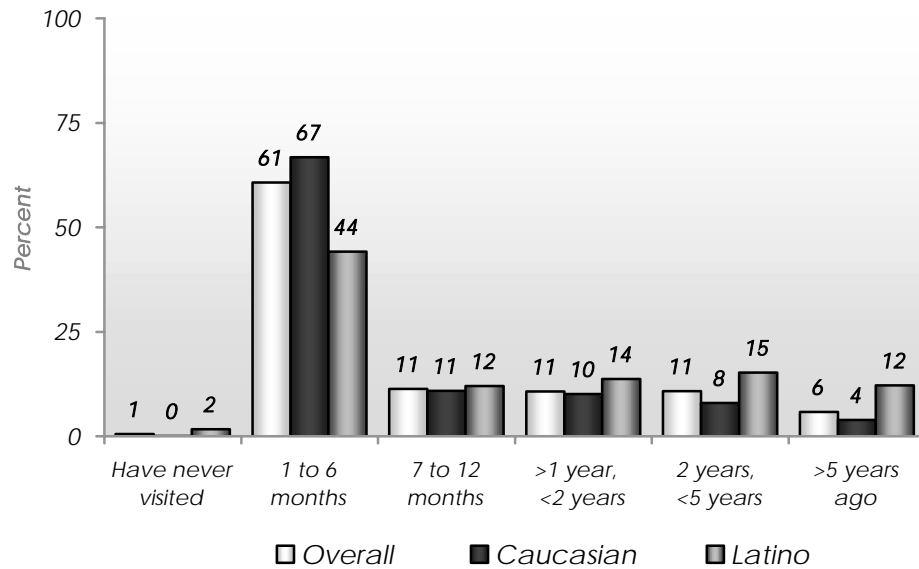
**Income:** \$34,999 or less significantly lower than \$35,000 through \$65,499; \$34,999 or less significantly lower than \$65,500 and greater.

QUALITY OF LIFE INDICATOR 53

# ☎ Dental Care – 2002 through 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.  
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

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

☎ *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	N/A	68.1
Had a dental problem	N/A	25.2
Both routine check up and a problem	N/A	6.1
Other	N/A	0.6
<b>Estimated Total</b>	<b>N/A</b>	<b>21,420,000</b>

Source: 2001 California Health Interview Survey.

📁 **New data not available**

## Dientes Community Dental Clinic

Dientes is the only community-based, low income dental clinic in the County. The presence of this clinic is a vital component in meeting the dental needs of the community.



### Number of Appointments, Dientes Community Dental Clinic

	3/95-2/96	3/96-1/97	2/97-1/98	2/98-1/99	2/99-1/00	2/00-1/01	2/01-1/02	2/02-1/03	% Change
Number of Patients	3,723	2,776	3,208	3,973	3,261	5,134	6,578	7,225	9.8

Source: Dientes Community Dental Clinic, 2003.

Note: Dientes enhanced services during 2000, including adding three more dental chairs, which accounts for the vast increase. Watsonville patient statistics are not included. Watsonville clinic opened in 1998.

### Estimated Number of Practitioners Accepting Medi-Cal, by Specialty

Type of Dental Care <sup>1</sup>	1996	1997	1998	1999
Dentists accepting Medi-Cal	12	-	12	18
Oral Surgeons Accepting Medi-Cal	4	-	2	2
Orthodontists Accepting Medi-Cal	1	-	4	0
Pedodontists Accepting Medi-Cal	3	-	1	1
<b>Total</b>	<b>20</b>	<b>-</b>	<b>19</b>	<b>21</b>

Source: Santa Cruz County Health Services Agency, 1999.

<sup>1</sup> Endodontists, periodontists, and prosthodontists do not accept Medi-Cal, according to the Monterey Bay Dental Society, which works with approximately 80% of the dentists in the area.

**New data not available**

QUALITY OF LIFE INDICATOR 55

# 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

<b>Water District</b>	<b>2000</b>	<b>2001</b>	<b>2002</b>
City of Santa Cruz	0.20	0.20	0.20
Lompico County	0.36	0.22	ND
Scotts Valley	0.30	0.32	0.33
Soquel Creek	0.29	0.51	ND
City of Watsonville	0.26	0.26	0.29
<b>CDC Recommended Level</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, 2003; Centers for Disease Control and Prevention, 2003.*

*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>% Change</b>
Dominican Hospital	1,780	1,472	1,332	1,260	1,215	1,230	1,230	1,205	-2.0
Sutter Maternity and Surgery Center	-	381	611	683	777	786	789	750	-4.9
Watsonville Community Hospital	1,644	1,641	1,625	1,508	1,448	1,495	1,579	1,549	-1.9
Out of County	289	273	291	261	250	232	211	191	-9.5
Non-Hospital	122	78	89	86	86	88	61	86	41.0
<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>-2.3</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>% Change</b>
Dominican Hospital	32.0	37.0	38.0	33.0	32.0	30.9	33.4	34.1	2.1
Sutter Maternity and Surgery Center	-	9.0	14.0	14.0	17.0	13.0	13.8	14.7	6.5
Watsonville Community Hospital	73.0	70.0	68.0	68.0	71.0	70.2	71.4	75.5	5.7
<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>6.7</b>

Source: Santa Cruz County Health Services Agency, Birth Certificate Summary and Perinatal Indicators, 2002.

## QUALITY OF LIFE INDICATOR 57

## 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	% Change
Number of Births to Teens	475	428	400	409	366	371	360	363	0.8
Number of Births, All Ages	3,835	3,845	3,948	3,798	3,776	3,831	3,870	3,781	-2.3
Percent of Births to Teens, County	12.4	11.1	10.1	10.8	9.7	9.7	9.3	9.6	3.2
Percent of Births to Teens, State	12.4	12.0	11.7	11.4	11.1	10.6	10.2	N/A	N/A

### Number of Births to Teens, by Location

Delivery Location	1995	1996	1997	1998	1999	2000	2001	2002	% Change
Dominican Hospital	146	130	105	103	97	84	82	82	0.0
Sutter Maternity and Surgery Center	-	16	29	31	39	39	37	34	-8.1
Watsonville Community Hospital	294	267	248	263	210	234	232	242	4.3
Out of County	32	13	13	11	20	11	9	5	-44.4
Non-Hospital	3	2	5	1	0	3	0	0	N/A
<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>0.8</b>

Source: Santa Cruz County Health Services Agency, Birth Certificate Summary and Perinatal Indicators, 2002.

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

	1995	1996	1997	1998 <sup>1</sup>	1999	2000	2001	2002
County	58.7	52.1	47.6	41.5	40.5	40.4	38.6	37.4
State	67.2	61.6	56.7	53.2	50.2	48.1	45.1	N/A
Nation	56.8	54.4	52.3	51.1	49.6	48.5	45.8	N/A

Source: California Department of Finance, California Department of Health Services, Centers for Disease Control and Prevention, 2003.

<sup>1</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	% Change
14 & Under	18	10	8	9	9	3	2	7	250.0
15	44	24	40	29	19	15	15	23	53.3
16-17	164	138	127	137	91	100	96	103	7.3
18-19	249	256	225	234	247	253	247	230	-6.9
<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>0.8</b>

## Births to Teens, by Ethnicity of Mother

Ethnicity	1995	1996	1997	1998	1999	2000	2001	2002	% Change
Caucasian	120	98	82	61	85	73	59	53	-10.2
Hispanic	343	323	308	330	272	283	290	302	4.1
African American	6	1	5	8	2	2	3	3	0.0
Asian	4	1	2	5	2	7	3	3	0.0
Other	2	5	3	5	5	6	5	2	-60.0
<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>0.8</b>

Source: Santa Cruz County Health Services Agency, Birth Certificate Summary and Perinatal Indicators, 2002.

## QUALITY OF LIFE INDICATOR 58

## 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 <sup>1</sup>
Dominican Hospital	89.0	86.0	87.0	86.9	88.7	92.7	90.3	92.5
Sutter Maternity and Surgery Center	-	81.0	88.0	86.8	87.9	88.4	92.0	93.1
Watsonville Community Hospital	75.0	74.0	76.0	77.3	77.3	83.8	90.2	89.5
Out of County	84.8	91.2	91.1	86.6	91.2	90.1	91.9	92.1
Non-Hospital	59.8	69.2	65.2	65.1	79.1	86.4	88.5	94.2
<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>
State Total	78.0	80.0	80.8	81.0	82.2	70.5	84.0	N/A

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

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

Source: Santa Cruz County Health Services Agency, Birth Certificate Summary and Perinatal Indicators, 2002.

<sup>1</sup> Year 2002 total births = 3,781

<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 Kottelchuck 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%.

## 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

<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<sup>1</sup></b>
Dominican Hospital	71.9	65.4	75.2	77.7	77.3	85.7	82.0	82.0
Sutter Maternity and Surgery Center	-	43.8	82.8	77.4	74.4	64.1	73.0	79.0
Watsonville Community Hospital	67.3	67.4	67.7	70.7	71.9	82.1	90.0	85.0
<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>

Percent of Teen Births with Inadequate Care by Kessner<sup>2</sup> Index, 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<sup>1</sup></b>
Dominican Hospital	4.8	5.4	1.9	3.9	1.0	1.2	1.2	1.2
Sutter Maternity and Surgery Center	-	0.0	0.0	3.2	0.0	2.6	0.0	3.0
Watsonville Community Hospital	9.9	6.0	6.9	6.1	5.7	5.6	4.8	5.8
<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>

Source: Santa Cruz County Health Services Agency, Birth Certificate Summary and Perinatal Indicators, 2002.

<sup>1</sup> Year 2002 total teen births = 363

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

QUALITY OF LIFE INDICATOR 59

# 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 <sup>1</sup>
Dominican Hospital	3.5	4.3	5.7	6.0	4.9	5.6	6.2	7.6
Sutter Maternity and Surgery Center	-	0.5	1.3	1.8	1.2	2.3	1.1	1.3
Watsonville Community Hospital	3.5	3.2	3.5	4.0	5.0	4.1	4.6	3.6
Out of County	17.3	17.9	19.2	20.3	22.0	21.6	14.2	27.7
Non-Hospital	1.6	1.3	3.4	0.0	2.3	0.0	0.0	2.3
<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>
State Total	6.1	6.1	6.1	6.2	6.1	6.2	6.3	N/A

*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 2002 total births = 3,781

## Number of Low Birth Weight Deliveries, Teens

Birth Weight	1995	1996	1997	1998	1999	2000	2001	2002 <sup>2</sup>
Under 1500 grams (2.2 lbs.)	6	1	2	5	9	7	3	0
1500 - 2499 grams (5.5 lbs.)	19	14	14	18	23	24	21	19
2500 grams and over	450	413	384	386	334	340	336	344
<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>
Percent Low Birth Weight	5.3	3.5	4.0	5.6	8.7	8.4	6.7	5.2

*Source: Santa Cruz County Health Services Agency, Birth Certificate Summary and Perinatal Indicators, 2002.*

<sup>2</sup> Year 2002 total teen births = 363

# Immunization Levels

## Immunization Levels of Child Care Center Entrants

	1994	1995	1996	1997 <sup>1</sup>	1998	1999	2000	2001	2002	% 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	5.4
Number of Centers	73	73	73	73	74	76	70	90	75	-16.7
Percent with medical exemptions	0.1	0.2	0.5	0.1	0.5	0.5	0.2	0.5	0.7	40.0
Percent with personal exemptions	1.4	1.5	1.6	2.8	2.7	2.5	2.1	4.2	4.6	9.5
Percent needing one or more immunizations	4.6	4.2	4.4	24.4	9.7	7.8	7.5	10.9	11.5	5.5
<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>-0.7</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	2.7

## Immunization Levels of Kindergarten Entrants

	1994	1995	1996	1997	1998	1999	2000	2001	2002	% Change
Number of Students	3,999	3,579	3,472	3,587	3,298	3,448	3,359	3,456	3,351	-3.0
Number of Schools	61	66	66	68	65	66	59	59	62	5.1
Percent with medical exemptions	<1.0	<1.0	2.3	<1.0	<1.0	0.5	0.2	.3	0.4	33.3
Percent with personal exemptions	2.4	1.5	1.5	2.8	3.1	3.0	3.4	5.0	5.4	8.0
Percent needing one or more immunizations	4.1	4.5	2.8	53.4	13.2	8.8	6.3	6.4	6.5	1.6
<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>-0.6</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	1.5

Source: Santa Cruz County Health Services Agency, Immunization Assessment of Kindergarten Students, 2003.

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.

## QUALITY OF LIFE INDICATOR 60

# Immunization Levels

## Seventh Grade Entrants

	1999	2000	2001	2002	% Change
Number of Students	3,102	3,256	3,161	3,445	9.0
Number of Schools	28	26	26	33	26.9
Percent with medical exemptions	0.3	0.1	0.2	0.9	350.0
Percent with personal exemptions	3.3	4.1	4.8	3.2	-33.3
Percent needing one or more immunizations	26.3	20.6	22.9	22.5	-1.7
<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>1.8</b>
Percent with all required immunizations - California	65.4	69.5	70.0	74.1	5.9

*Source: Santa Cruz County Health Services Agency, Immunization Assessment of Seventh Grade Students, 2003.*

*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 Hemoglobin (< 5<sup>th</sup> Percentile)

	1995	1996	1997	1998	1999
Caucasian	10.7	14.7	15.5	14.4	15.7
Latino	13.2	14.5	14.2	13.4	13.7
All other	*	*	*	16.0	*
Not specified	16.8	16.7	23.5	13.0	N/A
<b>County Total</b>	<b>14.2</b>	<b>15.0</b>	<b>16.6</b>	<b>13.5</b>	<b>13.7</b>
State Total	16.5	15.6	15.0	14.0	N/A
<b>Number of Persons Examined</b>	<b>3,382</b>	<b>2,568</b>	<b>2,810</b>	<b>4,180</b>	<b>5,296</b>

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	N/A
<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	N/A
<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**

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	*	2.7	4.1
Not specified	2.6	2.1	2.4	1.4	N/A
<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	N/A
<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>

\* Value does not meet standards of reliability or precision.

QUALITY OF LIFE INDICATOR 61

# Nutritional Status 2000-2001

Santa Cruz County has a high percentage of overweight children. The County ranks 40<sup>th</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 61<sup>st</sup> for children aged five to less than 20 years.

Percent of Children with Anemia / Low Hemoglobin / Hematocrit	2000				2001			
	Aged <5 Years		Aged 5 to <20 Years		Aged <5 Years		Aged 5 to <20 Years	
	Estimated #	Percent	Estimated #	Percent	Estimated #	Percent	Estimated #	Percent
County Total	6,178	12.7	3,929	12.0	5,321	13.0	3,285	12.0
State Total	550,785	13.5	486,013	12.6	494,495	13.5	455,124	12.3
Nation Total (prior year)	3,590,156	14.7	N/A	-	3,082,394	13.6	N/A	-

Percent of Children who are Underweight (< 5 <sup>th</sup> Percentile)	2000				2001			
	Aged <5 Years		Aged 5 to <20 Years		Aged <5 Years		Aged 5 to <20 Years	
	Estimated #	Percent	Estimated #	Percent	Estimated #	Percent	Estimated #	Percent
County Total	10,675	5.0	4,688	1.6	9,959	5.0	3,876	1.4
State Total	890,764	5.3	574,920	2.8	854,305	5.3	531,460	2.7
Nation Total (prior year)	5,089,556	5.7	N/A	-	4,428,863	5.4	N/A	-

Percent of Children who are Overweight (> 95 <sup>th</sup> Percentile)	2000				2001			
	Aged <5 Years		Aged 5 to <20 Years		Aged <5 Years		Aged 5 to <20 Years	
	Estimated #	Percent	Estimated #	Percent	Estimated #	Percent	Estimated #	Percent
County Total	10,675	15.2	4,688	23.2	9,959	15.1	3,876	23.8
State Total	890,764	16.1	574,920	19.7	854,305	16.0	531,460	20.0
Nation Total (prior year)	5,089,556	12.2	N/A	-	4,428,863	12.8	N/A	-

Source: Pediatric Nutrition Surveillance, Comparison of Growth and Anemia Indicators by Clinic, 2003.

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	% Change
Under 1	4	7	3	4	2	4	5	25.0
1 to 4	30	21	35	40	26	33	28	-15.2
5 to 12	38	36	53	45	38	48	49	2.1
13 to 15	16	18	22	29	25	19	26	36.8
16 to 20	54	82	61	54	47	67	55	-17.9
Total Unintentional Injuries 0-20	142	164	174	172	138	171	163	-4.7
Population 0-20	69,870	70,973	71,938	73,185	74,538	75,909	77,234	1.7
<b>Rate per 1,000 - County</b>	<b>2.0</b>	<b>2.3</b>	<b>2.4</b>	<b>2.4</b>	<b>1.9</b>	<b>2.3</b>	<b>2.1</b>	<b>-8.7</b>
Rate per 1,000 - State	3.2	3.1	2.9	2.8	2.8	3.4	2.8	-17.6

### Unintentional Non-fatal Injuries for Persons Ages 0-20, By Selected Cause

Cause of Injury	1994	1995	1996	1997	1998	1999	2000	% Change
Falls	47	47	56	60	51	60	54	-10.0
Motor Vehicle Traffic	49	51	46	38	30	33	37	12.1
Stuck by Object	11	11	9	14	15	13	8	-38.5
Poisoning	6	8	16	11	10	12	8	-33.3
Gunshot	0	3	2	0	1	1	2	100.0

Source: California Office of Statewide Health Planning and Development, Patient Discharge Dataset, 2002.

 **New data not available**

## QUALITY OF LIFE INDICATOR 63

# Intentional Injuries

## Intentional Non-fatal Injuries, By Age

Age Group	1994	1995	1996	1997	1998	1999	2000	% Change
Under 1	0	1	0	1	0	0	0	0.0
1 to 4	1	1	1	0	0	1	2	100.0
5 to 12	0	2	1	2	0	0	1	-
13 to 15	13	10	5	13	9	7	11	57.1
16 to 20	31	33	30	31	28	24	24	0.0
Total Intentional Injuries 0-20	45	47	37	47	37	32	38	18.8
Population 0-20	69,870	70,973	71,938	73,185	74,538	75,909	77,234	1.7
<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>25.0</b>
Rate per 1,000 - State	0.9	0.8	0.7	0.7	0.6	0.6	0.8	33.3

## Intentional Non-fatal Injuries for Persons Ages 0-20, By Selected Cause

Cause of Injury	1994	1995	1996	1997	1998	1999	2000	% Change
Intentional - Self Inflicted	18	23	19	24	27	25	21	-16.0
Poisoning	15	20	17	21	24	20	15	-25.0
Gunshot	0	0	0	0	0	0	0	0.0
Intentional - Assault	27	24	18	23	10	7	11	57.1
Cut/ Pierce	14	6	7	14	8	1	5	400.0
Gunshot	9	10	5	4	2	1	0	-100.0
<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>0.0</b>

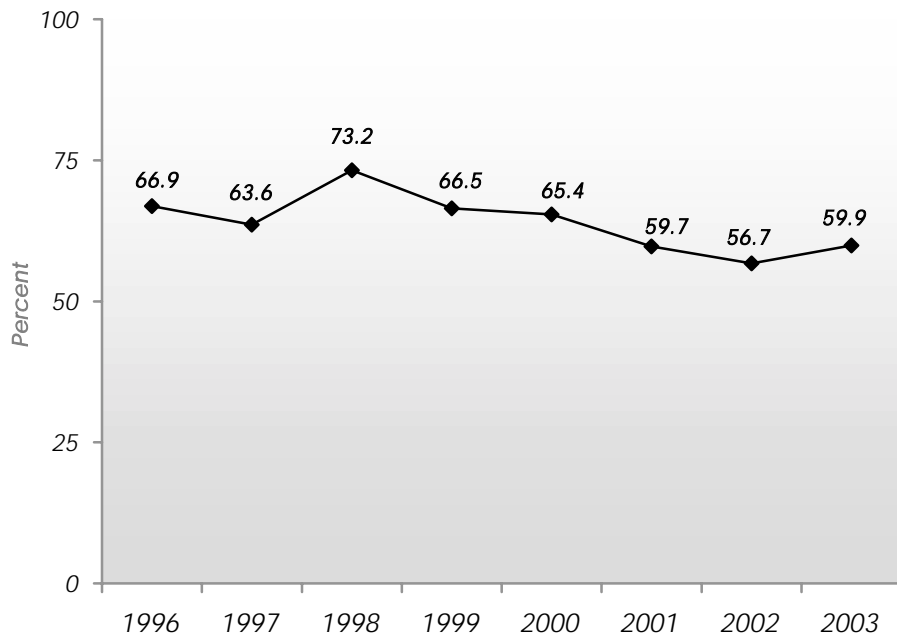
Source: California Office of Statewide Health Planning and Development, Patient Discharge Dataset, 2002.

 **New data not available**

## 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”)*



*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. 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: 2001 California Health Interview Survey.*

 **New data not available**

QUALITY OF LIFE INDICATOR 65

# 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.).

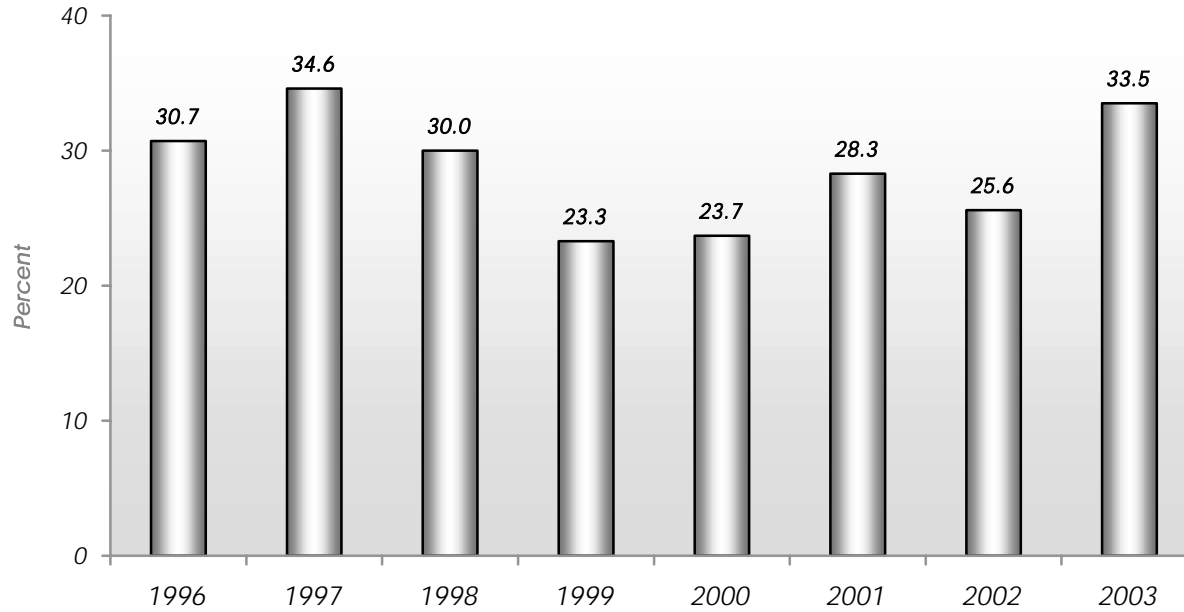
## Number of Alcohol Outlets Per 1,000 People

	1995	1996	1997	1998	1999	2000	2001	2002	% Change
Retail Alcohol Outlets - County	679	663	668	657	638	641	641	637	-0.6
Retail Alcohol Outlets - State	N/A	66,678	66,459	66,295	66,268	66,436	71,216	71,696	0.7
<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>0.0</b>
Outlets per 1,000 People - State	2.1	2.1	2.0	2.0	2.0	1.9	2.0	2.0	0.0

Source: California Department of Alcohol Beverage Control, 2003.

## Acceptance of Marijuana Use

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



<b>Total respondents</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>
Overall	475	489	497	558	657	700	681	693

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

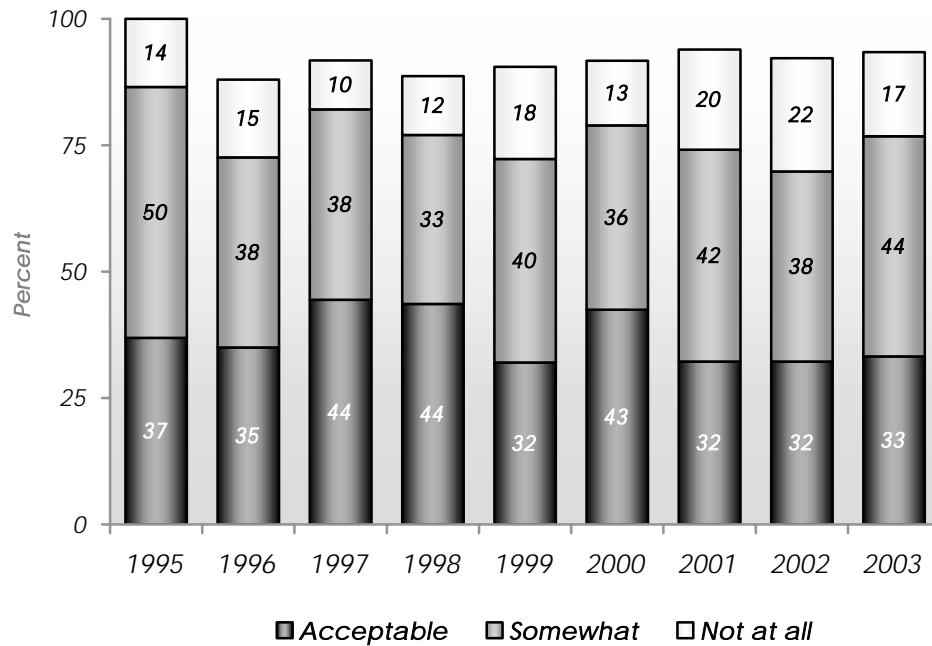
*Question was re-worded in 1999 to include “recreational or non-medicinal.”*

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

QUALITY OF LIFE INDICATOR 66

# ☎ 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

*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.”*

*✎ 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. See appendix for results of statistical testing for this question.*

# Tobacco Use – Students

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

## Student Tobacco Use, Santa Cruz County

Frequency of Use	1994	1996	1998	2000	2002
<b>Ever Used<sup>1</sup></b>					
7 <sup>th</sup> Grade	-	-	-	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
<b>Used in Last 30 Days<sup>1</sup></b>					
7 <sup>th</sup> Grade	-	-	-	6.0	5.0
9 <sup>th</sup> Grade	-	-	24.0	13.0	9.0
11 <sup>th</sup> Grade	-	-	27.0	19.0	11.0

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

## Santa Cruz County - Student *Smokeless* Tobacco Use in the Last 30 Days

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**

## State Comparison - Student Tobacco Use in the Last 30 Days

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

Source: *California Attorney General’s Office, Ninth Biennial California Student Survey, 2003.*

## National Comparison - Student Tobacco Use in the Last 30 Days

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.*

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

QUALITY OF LIFE INDICATOR 68

# Tobacco Use - Adults

## Adult Tobacco Use, Santa Cruz Tri-County Area<sup>1</sup>

	Current Smoker		Former Smoker		Quit Ratio	
	1990	1996	1990	1996	1990	1996
Tri-County Area	19.0	16.5	11.1	11.6	37.0	41.1
State	22.2	18.1	9.8	10.3	30.6	36.4

Source: Department of Health Services, *Tobacco Control in California: Who's Winning the War?* 1998.

All figures are within 95% confidence intervals. Former smoker and quit ratios are within the last five years. The sample size for the Santa Cruz Tri-County Area was 3,249 in 1990 and 3,645 in 1996.

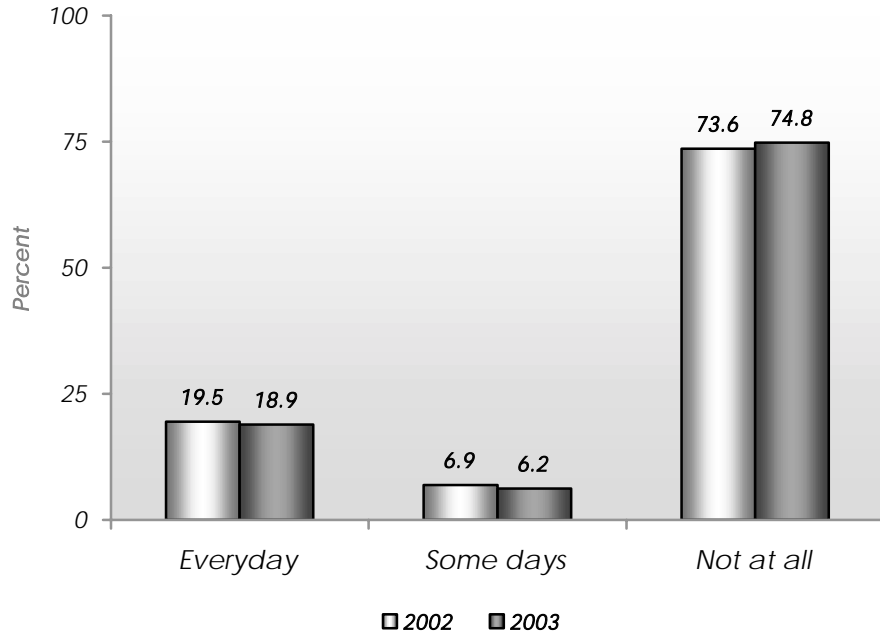
In California, the sample size was 65,139 in 1990 and 78,337 in 1996.


<sup>1</sup> Santa Cruz Tri-County area includes Monterey, San Benito, and Santa Cruz Counties.

 **New data not available**

# 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: 2001 California Health Interview Survey.*

 **New data not available**

Total respondents	2002	2003
Overall	684	703

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

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

QUALITY OF LIFE INDICATOR 69

# 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	N/A	N/A	N/A	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	N/A	N/A	N/A	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	N/A	N/A	N/A	N/A	N/A
	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	N/A	N/A	N/A	N/A	N/A
	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	N/A	N/A	N/A	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	N/A	N/A	N/A	N/A	N/A
	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	N/A	N/A	N/A	N/A	N/A
	9 <sup>th</sup> Grade	N/A	1.0	2.0	N/A	N/A
	11 <sup>th</sup> Grade	N/A	2.0	1.0	N/A	N/A

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?"

## California, by percent

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

Source: California Attorney General's Office, Ninth Biennial California Student Survey, 2000. California Healthy Kids Survey, 2002.

<sup>2</sup> Includes amphetamines.

# Current Substance Use by Students

National Comparison - Use in Last 30 Days

Substance	1994	1995	1996	1997	1998	1999	2000	2001	2002
<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
10 <sup>th</sup> Grade	39.2	38.8	40.4	40.1	38.8	40.0	N/A	39.0	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
<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
10 <sup>th</sup> Grade	15.8	17.2	20.4	20.5	18.7	19.4	N/A	19.8	17.8
12 <sup>th</sup> Grade	19.0	21.2	21.9	23.7	22.8	23.1	21.6	22.4	21.5
<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
10 <sup>th</sup> Grade	1.2	1.7	1.7	2.0	2.1	1.8	N/A	1.3	1.6
12 <sup>th</sup> Grade	1.5	1.8	2.0	2.3	2.4	2.6	2.1	2.1	2.3
<b>Amphetamines</b>									
8 <sup>th</sup> Grade	3.6	4.2	4.6	3.8	3.3	3.4	N/A	3.2	2.8
10 <sup>th</sup> Grade	4.5	5.3	5.5	5.1	5.1	5.0	N/A	5.6	5.2
12 <sup>th</sup> Grade	4.0	4.0	4.1	4.8	4.6	4.5	N/A	5.6	5.5
<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
10 <sup>th</sup> Grade	3.6	3.5	3.3	3.0	2.9	2.6	N/A	2.4	2.4
12 <sup>th</sup> Grade	2.7	3.2	2.5	2.5	2.3	2.0	2.2	1.7	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
10 <sup>th</sup> Grade	2.4	3.3	2.8	3.3	3.2	2.9	N/A	2.1	1.6
12 <sup>th</sup> Grade	3.1	4.4	3.5	3.9	3.8	3.5	2.6	3.2	2.3
<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
10 <sup>th</sup> Grade	0.4	0.6	0.5	0.6	0.7	0.7	N/A	0.3	0.5
12 <sup>th</sup> Grade	0.3	0.6	0.5	0.5	0.5	0.5	0.7	0.4	0.5

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

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

QUALITY OF LIFE INDICATOR 70


# 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.

 *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: 2001 California Health Interview Survey.


 **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: 2001 California Health Interview Survey.


 **New data not available**

## Mental and Physical Health, continued

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

<b>Response</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>
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.*

 *Percent of respondents indicating their general health is:*

<b>CHIS Data</b>	<b>Santa Cruz</b>	<b>California</b>
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: 2001 California Health Interview Survey.*

 **New data not available**

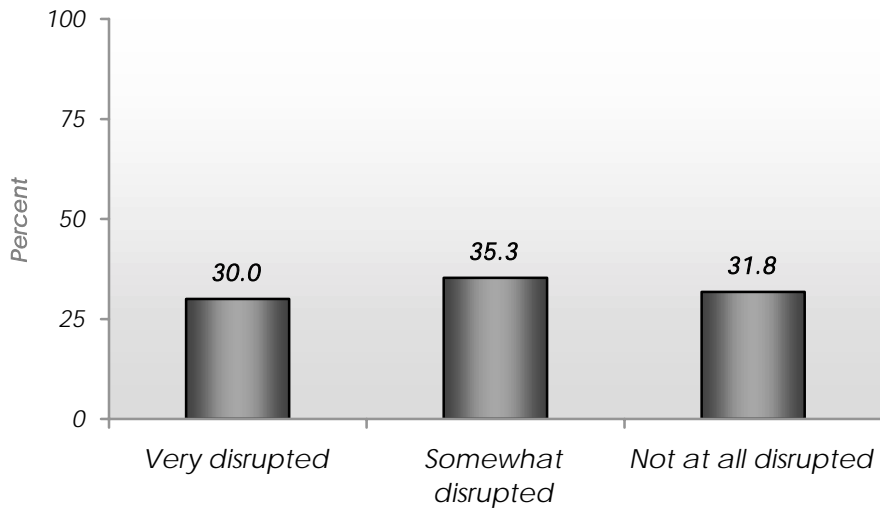
QUALITY OF LIFE INDICATOR 71

 **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?*

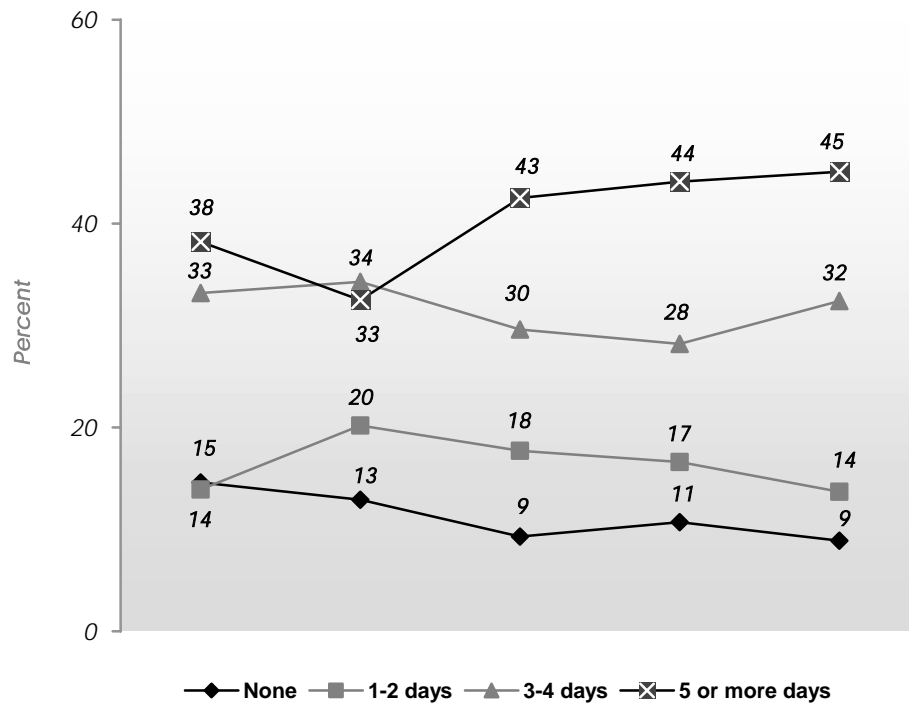
Response	2003
Gotten easier	17.4
No change	40.3
Gotten harder	40.0
<b>Total Respondents</b>	<b>81</b>

*Source: Santa Cruz County Community Assessment Project, Telephone Survey. See appendix for results of statistical testing for this question.*

# 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.

## QUALITY OF LIFE INDICATOR 73

# 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 Genders	Rate per 1,000 population	Females			Males		
	18 and above	18 and above	18 and above	18-44	45 and above	18 and above	18-44	45 and 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	N/A	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 Genders	Rate per 1,000 population	Females			Males		
	18 and above	18 and above	18 and above	18-44	45 and above	18 and above	18-44	45 and 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	N/A	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**

## 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

<b>Disease</b>	<b>93-95</b>	<b>94-96</b>	<b>95-97</b>	<b>96-98</b>	<b>97-99</b>	<b>98-00</b>	<b>99-01</b>	<b>00-02</b>	<b>% Change</b>
Chlamydia	338	333	336	342	360	433	501	547	9.2
Gonorrhea	40	37	37	43	39	37	37	40	8.1
Hepatitis A	44	54	54	50	43	23	18	15	-16.7
Hepatitis B (Acute)	12	12	12	11	11	7	7	5	-28.6
Lyme Disease	3	3	3	3	3	3	5	6	20.0
Measles	2	1	1	1	3	3	4	2	-50.0
Pertussis (Whooping Cough)	15	28	28	60	66	57	33	30	-9.1
Salmonellosis	52	53	53	51	44	37	41	44	7.3
Shigellosis	32	36	36	28	30	24	22	18	-18.2
Syphilis	16	13	13	6	4	1	1	1	0.0
Tuberculosis	24	20	20	15	14	10	8	6	-25.0

*Source: Santa Cruz County Health Services Agency, Communicable Disease Morbidity Comparisons, 2003.*

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## 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>
Caucasian	34	33	15	23	15	18	12	8	8
Hispanic	6	9	6	3	5	10	6	3	4
African American	0	1	1	0	2	3	2	0	0
Asian	1	3	0	0	0	1	0	0	0
Native American	1	0	1	2	0	1	0	0	1
Other / unknown	0	0	0	0	0	0	1	0	0
<b>Total</b>	<b>42</b>	<b>46</b>	<b>23</b>	<b>28</b>	<b>22</b>	<b>33</b>	<b>21</b>	<b>11</b>	<b>13</b>

*Source: Santa Cruz County Health Services Agency Public Health Division, HIV /AIDS in Santa Cruz County, 2003.*

*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
Under 18	3	1	1	2	1	0	1	1	0
18-29	8	4	4	7	7	4	3	2	6
30-39	8	8	6	7	3	8	5	8	2
40-49	8	8	8	6	11	5	8	5	12
50-59	7	1	8	2	5	6	6	8	7
60 and Above	7	5	9	4	3	4	11	6	9
Age unknown	-	-	-	-	-	1	-	-	-
<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>

Source: Santa Cruz County Coroner's Office, 2003.

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	Year 2010 National Objective
County	14.9	14.0	12.4	10.7	10.0	11.6	5.0
State	10.9	10.9	10.7	10.3	9.4	9.5	5.0

Source: California Department of Health Services and California Conference of Local Health Officers, County Health Status Profiles, 2003.

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 76

## Leading Causes of Death – by Cause

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	Year 2010 National Objective
Heart Disease	87.1	86.4	82.6	74.7	68.1	144.3	166.0
All Cancers	119.0	120.8	109.0	104.3	97.0	145.4	159.9
Lung Cancer	30.8	31.8	29.0	25.9	22.8	35.7	44.9
Breast Cancer	22.2	23.2	21.5	20.2	19.7	20.4	22.3
Stroke	23.3	24.7	24.7	25.3	21.7	48.9	48.0
Drug-Related	7.6	8.9	8.5	8.6	*6.9	9.9	1.0
Unintentional Injuries	23.0	23.0	23.7	23.3	23.6	24.8	17.5
Suicide	14.9	14.0	12.4	10.7	10.0	11.6	5.0
Firearm Injuries	9.9	8.5	6.7	* 5.3	* 6.5	*7.4	4.1
Homicide	4.0	* 3.9	* 3.5	* 3.0	* 3.7	*3.5	3.0
Motor Vehicle Crashes	11.2	10.4	11.2	11.0	10.8	8.1	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>None set</b>

Source: State of California, Department of Health Services and California Conference of Local Health Officers, County Health Status Profiles, 2003.

\* Case rate unreliable, relative standard of error is greater than or equal to 23%.

# Leading Causes of Death – by Cause

## California Deaths per 100,000 Population

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

Source: State of California, Department of Health Services and California Conference of Local Health Officers, County Health Status Profiles, 2002.

## QUALITY OF LIFE INDICATOR 76

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

## Caucasian

Cause of Death	1994	1995	1996	1997	1998	1999	2000	2001	2002	% Change
Heart Disease	500	488	455	422	470	424	447	467	403	-13.7
Cancer	360	352	324	352	298	305	315	325	362	11.4
Stroke	99	149	115	126	105	81	118	137	108	-21.2
Chronic Obstructive Pulmonary Disease	77	87	97	84	84	75	108	78	58	-25.6
Pneumonia / Influenza	87	82	103	82	84	48	58	141	129	-8.5
Unintentional Injuries	43	48	49	52	42	44	41	48	57	18.8
Diabetes Mellitus	22	17	42	19	31	37	28	9	9	0.0
Suicide	32	24	30	19	27	30	31	20	25	25.0
Chronic Liver Disease Cirrhosis	22	25	22	20	23	25	23	37	5	-86.5
Homicide	3	3	2	1	10	1	3	10	7	-30.0
AIDS	33	22	18	8	9	8	6	4	3	-25.0
All Other Causes / Residual	231	258	251	259	291	354	259	340	396	16.5
<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>	<b>-3.7</b>

Source: Santa Cruz County, Vital Records, 2003.

## Latino

Cause of Death	1994	1995	1996	1997	1998	1999	2000	2001	2002	% Change
Heart Disease	27	23	32	25	21	30	46	25	22	-12.0
Cancer	24	23	22	39	21	28	26	21	24	14.3
Stroke	11	7	6	6	6	11	10	15	10	-33.3
Chronic Obstructive Pulmonary Disease	3	4	1	0	3	2	2	3	0	-100.0
Pneumonia / Influenza	3	3	2	5	3	0	1	12	11	-8.3
Unintentional Injuries	16	19	10	12	5	13	7	19	13	-31.6
Diabetes Mellitus	3	2	6	5	8	7	10	2	3	50.0
Suicide	4	4	2	6	1	0	2	1	1	0.0
Chronic Liver Disease Cirrhosis	6	3	4	8	4	5	5	7	9	28.6
Homicide	3	5	8	2	4	2	5	5	3	-40.0
AIDS	2	3	0	5	4	1	3	1	0	-100.0
All Other Causes / Residual	35	31	29	21	44	29	33	32	40	25.0
<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>	<b>-4.9</b>

Source: Santa Cruz County, Vital Records, 2003.

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

## African American

Cause of Death	1994	1995	1996	1997	1998	1999	2000	2001	2002	% Change
Heart Disease	1	0	3	4	2	1	5	1	5	400.0
Cancer	4	2	5	2	4	1	2	1	1	0.0
Stroke	0	0	1	1	1	0	2	4	0	-100.0
Chronic Obstructive Pulmonary Disease	1	0	0	1	0	1	0	0	0	N/A
Pneumonia / Influenza	0	0	0	1	0	0	0	0	1	N/A
Unintentional Injuries	2	1	0	2	0	2	0	0	0	N/A
Diabetes Mellitus	1	1	1	0	0	3	0	0	0	N/A
Suicide	2	1	0	1	1	0	0	0	0	N/A
Chronic Liver Disease Cirrhosis	0	0	0	1	0	0	0	0	0	N/A
Homicide	0	0	0	0	0	0	0	0	0	N/A
AIDS	3	0	2	0	0	1	0	1	1	0.0
All Other Causes / Residual	0	1	2	0	1	3	5	3	4	33.3
<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>	<b>20.0</b>

Source: Santa Cruz County, Vital Records, 2003.

## Asian / Other (Includes American Indian)

Cause of Death	1994	1995	1996	1997	1998	1999	2000	2001	2002	% Change
Heart Disease	12	12	24	16	20	15	18	17	20	17.6
Cancer	12	4	8	11	6	11	8	13	8	-38.5
Stroke	5	5	10	5	3	4	6	6	2	-66.7
Chronic Obstructive Pulmonary Disease	1	0	3	0	1	3	2	0	0	N/A
Pneumonia / Influenza	4	3	2	0	1	1	1	3	6	100.0
Unintentional Injuries	6	2	0	3	6	4	1	0	2	N/A
Diabetes Mellitus	2	3	4	0	1	0	0	0	1	N/A
Suicide	0	0	2	0	0	1	0	1	1	0.0
Chronic Liver Disease Cirrhosis	1	1	0	0	1	1	1	0	3	N/A
Homicide	0	0	0	0	0	1	0	2	0	-100.0
AIDS	1	0	0	0	0	0	0	0	0	N/A
All Other Causes / Residual	5	7	6	14	9	4	12	8	3	-62.5
<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>	<b>-8.0</b>

Source: Santa Cruz County, Vital Records, 2003.

## QUALITY OF LIFE INDICATOR 76

## 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	2000	2001	2002
Perinatal Period	8	3	7	12	7	1	0	0	1
Congenital Anomalies	12	7	11	1	2	0	1	1	1
Symptoms/ Ill defined	4	1	3	0	2	1	1	0	0
Heart	1	0	0	1	2	0	0	0	0
Unintentional Injuries	1	0	0	0	1	0	0	0	0
AIDS	1	0	0	0	0	0	0	0	1
All Other Causes	1	2	0	3	6	5	4	3	0
<b>Total</b>	<b>28</b>	<b>13</b>	<b>21</b>	<b>17</b>	<b>20</b>	<b>7</b>	<b>6</b>	<b>4</b>	<b>3</b>

### Children Ages 1- 4

Cause of Death	1994	1995	1996	1997	1998	1999	2000	2001	2002
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	0	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	0	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>0</b>	<b>1</b>

Source: Santa Cruz County, Vital Records, 2003.

### Children Ages 5-14

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

### Children Ages 15-19

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

Source: Santa Cruz County, Vital Records, 2003.

## Deaths by Age Group and Ethnicity, Santa Cruz County

Deaths as a Percent of Population per Age Group - Caucasian, *Three Year Averages*

Age Group	1993-1995	1994-1996	1995-1997	1996-1998	1997-1999	1998-2000	1999-2001
<1	.60	.54	.44	.42	.27	.18	.21
1-4	.02	.03	.02	.04	.05	.04	.02
5-14	.02	.02	.02	.01	.01	.01	.00
15-19	.03	.03	.05	.04	.04	.03	.02
20-24	.05	.06	.06	.07	.05	.06	.05
25-34	.12	.12	.10	.08	.08	.08	.08
35-44	.19	.19	.18	.17	.15	.15	.15
45-54	.35	.34	.32	.30	.28	.30	.31
55-64	.92	.80	.75	.75	.71	.69	.61
65+	5.67	5.54	5.08	4.97	4.72	4.62	4.64

Deaths as a Percent of Population per Age Group - Latino, *Three Year Averages*

Age Group	1993-1995	1994-1996	1995-1997	1996-1998	1997-1999	1998-2000	1999-2001
<1	.61	.62	.52	.64	.41	.27	.13
1-4	.005	.009	.01	.01	.02	.02	.02
5-14	.02	.02	.02	.01	.01	.01	.02
15-19	.05	.07	.10	.11	.10	.08	.07
20-24	.11	.09	.06	.06	.06	.04	.05
25-34	.11	.11	.10	.10	.10	.10	.09
35-44	.13	.16	.17	.14	.12	.11	.11
45-54	.29	.28	.29	.26	.26	.27	.28
55-64	.61	.58	.60	.65	.67	.61	.59
65+	2.76	2.69	2.49	2.25	2.26	2.55	2.63

Source: Santa Cruz County, Vital Records, 2003.