

# BIRTH CERTIFICATE SUMMARY

&

# PERINATAL INDICATORS

2002



SANTA CRUZ COUNTY

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This report was compiled in March 2003 by Santa Cruz County Health Services Agency, Maternal, Child, and Adolescent Health Office. To obtain copies or discuss contents, contact the office at (831) 454-5482. The report can be obtained and downloaded from the HSA website at [www.santacruzhealth.org](http://www.santacruzhealth.org) in "Reports and Statistics".

## 2002 BIRTH CERTIFICATE SUMMARY & HIGHLIGHTS

This year 2002 Birth Certificate Summary Report of 3781 births includes all births to Santa Cruz County residents (3,316) and 465 births to women who live in other counties but delivered in Santa Cruz County. Of the county residents who gave birth, 191 delivered outside of the county and the indicator data concerning their births is shown in the "Out of County" column in Table I. a The 465 non-county residents' birth data included in this report are interspersed among the three delivery facilities in the county; 214 of these births are to Monterey County residents living in zip code 95076.

### HIGHLIGHTS OF HEALTH INDICATORS FOR 2002:

- ◆ PRENATAL CARE IN 1ST TRIMESTER IMPROVES - SANTA CRUZ COUNTY REACHES 91.4%.

The year 2002 birth file shows that the county as a whole has surpassed the year 2000 goal of 90% of all women starting prenatal care in the first trimester of pregnancy. Slow and steady progress on this indicator has been made over the years for all ethnic groups. Disparities can be seen for teens, Hispanic women, and low-income women as compared to Caucasians.

GROUP	SANTA CRUZ			STATE OF CALIFORNIA 2001
	2000	2001	2002	
All births	88%	90%	91.4%	84%
White	92.4%	94.2%	94.2%	
Hispanic	84.5%	88.4%	89.5%	
Asian	88.7%	84%	91%	
All others	84.5%	89%	89.1%	
Teens	80%	86.4%	83.2%	
Medi-Cal funded	82%	86%	87.7%	
Private and Other funded	92%	94.4%	95.1%	

- ◆ **TEEN BIRTHS CONTINUE TO DECLINE** - The numbers of births to teens, 19 years and under, has remained consistent at 9.6% of the total births, and the birth rate to teens declined to 37.4 per 1000 population estimate. Of the 363 teen births, 262 (72%) of them were to south county residents in Watsonville and Freedom, and 56 were the second birth or more for the teen. This rate of second birth as a teen represents 15.5% of the total births to teenage mothers, and Santa Cruz is much lower than both the California State average (20.5%) and USA average (21.2%) for 1999. In comparison to the total birthing population, teens had higher rates of inadequate care, and late or no prenatal care, similar rates of low birthweight babies, and lower pre-term births as shown below.

	<b>TEENS</b>	<b>TOTAL SANTA CRUZ BIRTHS</b>
Inadequate PN care by Kessner Index	4.4%	2%
Third trimester and no PN care	4.4%	1.8%
Low birthweight (under 5.5 pounds)	6%	5.6%
Pre-term births (less than 37 weeks Gestation)	7.4%	9.1%

- ◆ **MEDI-CAL BIRTHS** Increased to 46% of total births in the county this year. Watsonville Community Hospital saw an increase to 75.5% of their births to low income Medi-Cal recipients this year and continues to deliver 67% of the county's Medi-Cal funded births.
- ◆ **LOW BIRTHWEIGHT** (under 5.5 pounds) babies continue at a steady, low level of 5.6%, well below California's 6.2%. Forty-seven babies under 3.3 pounds were delivered this year, the highest number in recent history. Eighteen of those very low birthweight babies were to Hispanic women and twenty three of them to Caucasians.

**SANTA CRUZ COUNTY BIRTH CERTIFICATE SUMMARY  
BY OCCURRENCE AND RESIDENCE  
FOR PERIOD OF: January 1, 2002 through December 31, 2002**

Table I

	Watsonville Hospital	Dominican Hospital	Sutter Maternity	Out of County	Non- Hospital	TOTAL	%
<b>AGE OF MOTHER:</b>							
0-14	5	1	1	0	0	7	9.6%
15 – 17	89	21	11	5	0	126	
18 – 19	148	60	22	0	0	230	
20 – 34	1124	834	525	126	64	2673	
35 & over	183	289	191	60	22	745	20%
<b>ETHNICITY:</b>							
Caucasian	100	698	514	119	70	1501	40%
Hispanic	1429	395	182	59	3	2068	55%
Black	3	8	8	1	1	21	
Asian	17	53	36	5	0	111	3%
Unknown/Other	0	51	10	9	12	80	
<b>PRENATAL CARE:</b>							
None	8	5	0	1	2	16	0.4%
3 <sup>rd</sup> Trimester	41	8	3	0	0	52	1.4%
Inadequate/Kessner Index	53	15	3	1	2	74	2%
Unknown	0	13	1	4	0	18	
1 <sup>st</sup> Trimester	1387	1115	698	176	81	3457	91.4%
<b>MOTHER'S EDUCATION:</b>							
Unknown	21	57	17	8	12	115	3%
1 - 8 years	600	94	12	18	3	727	19%
9 - 11 years	380	137	30	16	1	564	15%
12 & more years	548	917	691	149	70	2375	63%
<b>BIRTHWEIGHT OF BABY:</b>							
Under 1500 gms	6	19	0	22	0	47	1.2%
1500 - 2499 gms	50	73	10	31	2	166	4.4%
2500 gms & over	1493	1113	740	138	84	3568	94.4%
<b>DELIVERY FUNDED BY MEDI-CAL</b>	1170	411	110	39	15	1745	46%
<b>TOTAL BIRTHS</b>	1549	1205	750	191	86	3781	100%

**SANTA CRUZ COUNTY TEEN BIRTH CERTIFICATE**      **Table II**  
**BY OCCURRENCE AND RESIDENCE**  
**FOR PERIOD OF: January 1, 2002 through December 31, 2002**

AGE OF MOTHER:	1-14	15-17	18-19			TOTAL	%
<b>ETHNICITY:</b>							
Caucasian	0	21	32			53	14.6%
Hispanic	7	102	193			302	83.2%
Black	0	2	1			3	
Asian	0	0	3			3	
Unknown/Other	0	1	1			2	
<b>PRENATAL CARE:</b>							
None	0	1	1			2	
3 <sup>rd</sup> Trimester	0	6	8			14	
Inadequate/Kessner Index	0	7	9			16	4.4%
Unknown	0	1	3			4	
1 <sup>st</sup> Trimester	5	98	199			302	83.2%
<b>MOTHER'S EDUCATION:</b>							
None/Unknown	0	4	7			11	
1 - 8 years	5	19	50			74	
9 - 11 years	2	86	61			149	
12 & more years	0	17	112			129	
<b>BIRTHWEIGHT OF BABY:</b>							
Under 1500 gms	0	0	0		0		6%
1500 – 2499 gms	0	4	15		19		
2500 gms & over	7	122	215		344		94%
<b>NUMBER OF BIRTHS AS A TEEN:</b>							
1st Birth	7	115	182			304	
2nd Birth	0	11	44			55	15%
3rd Birth	0	0	4			4	1%
<b>PREMATURES Under 37 wks</b>	1	12	14			27	7.4%
<b>DELIVERY FUNDED BY MEDI-CAL</b>	6	112	197			315	87%
<b>TOTAL BIRTHS</b>	7	126	230			363	

**SANTA CRUZ COUNTY BIRTHS**                      **Table III**  
**BY ZIP CODE OF RESIDENCE AND MEDI-CAL PAYMENT**  
**2002**

<b>CITY</b>	<b>TOTAL BIRTHS</b>	<b>MEDI-CAL</b>	<b>% OF MEDI-CAL</b>
APTOS 95003, 95001	206	29	14%
AROMAS 95004	18	6	9%
BEN LOMOND 95005	72	8	11%
BOULDER CREEK 95006	81	13	16%
BROOKDALE 95007	14	6	43%
CAPITOLA 95010	87	27	31%
DAVENPORT 95017	9	5	55.5%
FELTON 95018	61	9	15%
FREEDOM 95019	126	98	78%
MOUNT HERMON 95041	9	4	44%
SANTA CRUZ 95060-65	946	308	32.5%
SCOTTS VALLEY 95066-67	148	13	9%
SOQUEL 95073	84	24	27%
WATSONVILLE 95076-77	1656	1110	67%
OUT OF COUNTY ZIP CODES	264	85	32%
<b>TOTALS</b>	<b>3781</b>	<b>1745</b>	<b>46%</b>

**SANTA CRUZ COUNTY**  
**TEEN BIRTHS BY ZIP CODE OF RESIDENCE**  
**2002**

Table IV

<b>CITY</b>	<b>TOTAL BIRTHS</b>	<b>TEEN BIRTHS</b>	<b>% OF TEEN BIRTHS</b>
APTOS 95003, 95001	206	5	2.4%
AROMAS 95004	18	2	11%
BEN LOMOND 95005	72	5	7%
BOULDER CREEK 95006	81	1	1.2%
BROOKDALE 95007	14	1	7%
CAPITOLA 95010	87	8	9%
DAVENPORT 95017	9	1	11%
FELTON 95018	61	3	5%
FREEDOM 95019	126	18	14.2%
MOUNT HERMON 95041	9	2	22%
SANTA CRUZ 95060-65	946	52	5.5%
SCOTTS VALLEY 95066-67	148	3	2%
SOQUEL 95073	84	2	2.4%
WATSONVILLE 95076-77	1656	244	14.7%
OUT OF COUNTY ZIP CODES	264	16	6%
<b>TOTALS 2002</b>	<b>3781</b>	<b>363</b>	<b>9.6%</b>

**TEEN BIRTHS TRENDS  
95076 - Watsonville  
1990-2002**

Table V

<b>YEAR</b>	<b>TOTAL BIRTHS (number)</b>	<b>TEEN BIRTHS (number)</b>	<b>PERCENTAGE OF BIRTHS TO TEENS</b>
1990	1,676	229	13.6%
1991	1,694	258	15.3%
1992	1,752	250	14.3%
1993	1,671	264	15.7%
1994	1,615	261	16.0%
1995	1,584	273	17.2%
1996	1,605	246	15.3%
1997	1,614	229	14.2%
1998	1,601	259	16.2%
1999	1,588	216	13.6%
2000	1,604	242	15.1%
2001	1,663	225	13.5%
2002	1656	244	14.7%

**TEEN BIRTH TRENDS**  
**San Lorenzo Valley**  
**Ben Lomond, Boulder Creek, Brookdale, Felton**  
**1990 - 2002**

Table VI

<b>YEAR</b>	<b>TOTAL BIRTHS (number)</b>	<b>TEEN BIRTHS (number)</b>	<b>PERCENTAGE OF BIRTHS TO TEENS</b>
1990	290	19	6.5%
1991	262	11	4.2%
1992	248	14	5.6%
1993	256	17	6.6%
1994	228	15	6.5%
1995	293	18	6.0%
1996	283	13	4.6%
1997	276	12	4.3%
1998	254	9	3.5%
1999	266	13	5.0%
2000	238	11	4.6%
2001	246	12	4.9%
2002	228	10	4.3%

**Santa Cruz County  
SELECTED PERINATAL INDICATORS  
1999- 2002 BIRTHS**

	Santa Cruz County				State of California
	1999	2000	2001	2002	2001
<b>Total Births</b>	3776	3831	3870	3781	527,371
<b>Teen Births *</b>					
Number	366	371	360	363	55, 373
% of Total Births	9.7%	9.7%	9.3%	9.6%	10.2%
Rate/1000 Pop.	40.5	40.4	38.6	37.4%	
<b>Infant Mortality Rate</b>	4.9	4.7	3.7	n/a	5.3
<b>Low Birth Weight Under 5.5 Pounds</b>	4.3%	5.2%	4.9%	5.6%	6.3%
<b>Number of Babies Under 3.3 Pounds</b>					
Dominican	2	8	3	19	6,054
Watsonville	6	5	7	6	
Sutter Maternity	0	1	0	0	
Out of County	29	20	15	22	
<b>Deliveries Funded By Medi-Cal</b>					
Dominican Hospital	32%	31%	33%	34.1%	41.5%
Watsonville Hospital	71%	71%	71%	75.5%	
Sutter Maternity	17%	13%	14%	14.7%	
<b>Total</b>	42%	41%	43%	46%	

\* Teen births include age 19 and under. Rate/1000 population includes ages 15-19 and is based on Dept. of Finance population estimates.

**Santa Cruz County  
Comparison of Selected Perinatal Indicators  
1999 - 2002**

	Santa Cruz County				State of California
	1999	2000	2001	2002	2001
<b>Percentage of Births Receiving Prenatal Care in First Trimester</b>					
Total Births	84%	88%	90.7%	91.4%	84%
Teens	74%	80%	86.4%	83.2%	
Watsonville Hospital	77%	84%	90%	89.6%	
Dominican Hospital	89%	93%	90%	92.5%	
Sutter Maternity	88%	88%	92%	93.1%	
Medi-Cal Funded	73%	82%	96%	87.7%	
Private & Other Funded	92%	92%	94.4%	95.1%	
<b>Third Trimester &amp; No Prenatal Care</b>					
Total Births	2.5%	2.3%	2.1%	1.8%	3%
Teens	3.8%	5.7%	3.3%	4.4%	6%
Watsonville Hospital	4.9%	3.6%	3.5%	3.2%	
Dominican Hospital	1.1%	1.1%	1.0%	1.1%	
Sutter Maternity	0.6%	1.7%	1.0%	0.4%	
Medi-Cal Funded:	5.2%	4.1%	4%	3%	
Private & Other funded	0.6%	1.5%	0.7%	0.6%	
<b>Inadequate Prenatal Care By Kessner Index</b>					
Total Births	2.4%	2.0%	2.6%	2%	
Teens	3.6%	4.3%	3.6%	4.4%	
Watsonville Hospital	4.8%	3.1%	4%	3.4%	
Dominican Hospital	0.9%	1.1%	1.6%	1.3%	
Sutter Maternity	0.6%	0.1%	1%	0.4%	
Medi-Cal Funded	4.8%	3.2%	5%	3.3%	
Private & Other Funded	0.6%	1.0%	0.9%	0.6%	

**Note:** The Kessner Index combines the month of the first prenatal visit with the total number of visits to establish a measure of use of prenatal care.