

# BIRTH CERTIFICATE SUMMARY

&

# PERINATAL INDICATORS

2001



SANTA CRUZ COUNTY

## TABLE OF CONTENTS

Birth Certificate Summary & Highlights.....	1
Table I 2001 Births, by Residence and Occurrence.....	3
Table II Births to Teens, Age 19 and under.....	4
Table III 2001 Births By Zip Code and Medi-Cal Payment .....	5
Table IV 2001 Teen Births by Zip Code .....	6
Table V Teen Births by Residence and Mother's Age.....	7
Table VI Teen Birth Trends, Zip Code 95076, 1990-2001.....	8
Table VII Teen Birth Trends, San Lorenzo Valley, 1990-2001.....	9
Selected Perinatal Indicators, Trends, 1998-2001.....	10

This report was compiled in March 2001 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".

## 2001 BIRTH CERTIFICATE SUMMARY & HIGHLIGHTS

This year 2001 Birth Certificate Summary Report includes all births to Santa Cruz County residents (3,451) and 419 births to women who live in other counties but delivered in Santa Cruz County. Of the county residents who gave birth, 211 delivered outside of the county and the indicator data concerning their births is shown in the "Out of County" column in Tables I and 2. The 419 non-county residents' birth data included in this report are interspersed among the three delivery facilities in the county; 205 of these births are to Monterey County residents living in zip code 95076.

- ◆ HIGHLIGHTS OF HEALTH INDICATORS FOR 2001:
- ◆ PRENATAL CARE IN 1ST TRIMESTER IMPROVES - SANTA CRUZ COUNTY REACHES 90.7%.

The year 2001 birth file shows that the county as a whole has achieved 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 except for Asians, whose early entry to care has declined rather than improved. Further study and intervention is planned this year to turn this trend around. Disparities can be seen for teens, Hispanic women, Asian and low-income women as compared to Caucasians.

GROUP	SANTA CRUZ			STATE OF CALIFORNIA 2000
	1999	2000	2001	
All births	84%	88%	90%	83%
White	91.6%	92.4%	94.2%	
Hispanic	77.5%	84.5%	88.4%	
Asian	91%	88.7%	84%	
All others	85.7%	84.5%	89%	
Teens	74%	80%	86.4%	70.5%
Medi-Cal funded	73%	82%	86%	
Private and Other funded	92%	92%	94.4%	

- ◆ **TEEN BIRTHS CONTINUE TO DECLINE** - The numbers of births to teens, 19 years and under, declined to 9.3% of the total births, and the birth rate declined to 38.6 per 1000 population estimate. Of the 360 teen births, 225 (62.5%) of them were to residents of Watsonville (95076), 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, late or no prenatal care, low birthweight babies, and pre-term births as shown below.

	<b>TEENS</b>	<b>TOTAL SANTA CRUZ BIRTHS</b>
Inadequate PN care by Kessner Index	3.6%	2.6%
Third trimester and no PN care	3.3%	2.1%
Low birthweight (under 5.5 pounds)	6.7%	4.8%
Pre-term births (less Than 37 weeks Gestation)	12%	8.5%

- ◆ **MEDI-CAL BIRTHS** continue to hover at 43% of total births in the county. Watsonville Community Hospital continues to see over 70% of their births to low income Medi-Cal recipients and delivers 67.3% of the county's Medi-Cal funded births.
- ◆ **LOW BIRTHWEIGHT** (under 5.5 pounds) babies continue at a steady, low level of 4.9%, well below California's 6.2%. Only 25 babies under 3.3 pounds were delivered this year, the least number in the past four years. Fourteen of those very low birthweight babies were to Hispanic women and nine of them to Caucasians.

**SANTA CRUZ COUNTY BIRTH CERTIFICATE SUMMARY  
BY OCCURRENCE AND RESIDENCE  
FOR PERIOD OF: January 1, 2001 through December 31, 2001**

Table I

	Watsonville Hospital	Dominican Hospital	Sutter Maternity	Out of County	Non- Hospital	TOTAL	%
<b>AGE OF MOTHER:</b>							
0-14	1	0	1	0	0	2	9.3%
15 - 17	74	26	7	4	0	111	
18 - 19	157	56	29	5	0	247	
20 - 34	1155	885	551	139	48	2778	
35 & over	192	263	201	63	13	732	19%
<b>ETHNICITY:</b>							
Caucasian	136	691	549	148	49	1573	41%
Hispanic	1423	413	194	48	4	2082	54%
Black	2	13	10	0	0	25	
Asian	16	57	26	6	1	106	3%
Unknown/Other	2	56	10	9	7	84	
<b>PRENATAL CARE:</b>							
None	8	10	0	3	1	22	0.6%
3 <sup>rd</sup> Trimester	48	2	8	2	1	61	1.6%
Inadequate/Kessner Index	64	20	8	5	2	99	2.6%
Unknown	0	19	1	1	0	21	
1 <sup>st</sup> Trimester	1424	1111	726	194	54	3509	90.7%
<b>MOTHER'S EDUCATION:</b>							
None/Unknown	33	58	16	10	8	125	3%
1 - 8 years	628	101	19	10	1	759	20%
9 - 11 years	353	129	37	14	1	534	14%
12 & more years	565	942	717	177	51	2452	63%
<b>BIRTHWEIGHT OF BABY:</b>							
Under 1500 gms	7	3	0	15	0	25	0.6%
1500 - 2499 gms	66	73	9	15	0	163	4.2%
2500 gms & over	1506	1154	780	181	61	3682	95%
<b>DELIVERY FUNDED BY MEDI-CAL</b>	1128	411	109	24	5	1677	43.3%
<b>TOTAL BIRTHS</b>	1579	1230	789	211	61	3870	100%

**SANTA CRUZ COUNTY TEEN BIRTH CERTIFICATE**      **Table II**  
**BY OCCURRENCE AND RESIDENCE**  
**FOR PERIOD OF: January 1, 2001 through December 31, 2001**

<b>AGE OF MOTHER:</b>	<b>1-14</b>	<b>15-17</b>	<b>18-19</b>			<b>TOTAL</b>	<b>%</b>
<b>ETHNICITY:</b>							
Caucasian	0	14	45			59	16.3%
Hispanic	2	94	194			290	80.5%
Black	0	1	2			3	
Asian	0	1	2			3	
Unknown/Other	0	1	4			5	
<b>PRENATAL CARE:</b>							
None	0	1	0			1	
3 <sup>rd</sup> Trimester	0	4	7			11	
Inadequate/Kessner Index	0	5	8			13	3.6%
Unknown	0	2	0			2	
1 <sup>st</sup> Trimester	1	92	218			311	86.4%
<b>MOTHER'S EDUCATION:</b>							
None/Unknown	0	10	8			18	
1 - 8 years	1	18	55			74	
9 - 11 years	1	66	59			126	
12 & more years	0	17	125			142	
<b>BIRTHWEIGHT OF BABY:</b>							
Under 1500 gms	0	1	2			3	6.6%
1500 - 2499 gms	0	11	10			21	
2500 gms & over	2	99	235			336	93%
<b>NUMBER OF BIRTHS AS A TEEN:</b>							
1st Birth	2	103	199			304	
2nd Birth	0	8	46			54	15%
3rd Birth	0	0	2			2	0.5%
<b>DELIVERY FUNDED BY MEDI-CAL</b>	2	100	194			296	82%
<b>TOTAL BIRTHS (for all ages)</b>	2	111	247			360	

**SANTA CRUZ COUNTY BIRTHS** **Table III**  
**BY ZIP CODE OF RESIDENCE AND MEDI-CAL PAYMENT**  
**2001**

<b>CITY</b>	<b>TOTAL BIRTHS</b>	<b>MEDI-CAL</b>	<b>% OF MEDI-CAL</b>
APTOS 95003, 95001	212	27	12.7%
AROMAS 95004	25	5	20%
BEN LOMOND 95005	65	9	13.8%
BOULDER CREEK 95006	82	17	20.7%
BROOKDALE 95007	9	2	22.2%
CAPITOLA 95010	108	28	26%
DAVENPORT 95017	4	2	50%
FELTON 95018	90	15	16.7%
FREEDOM 95019	117	81	69%
MOUNT HERMON 95041	10	0	0%
SANTA CRUZ 95060-65	1016	332	32.7%
SCOTTS VALLEY 95066-67	161	20	12.4%
SOQUEL 95073	98	20	20.4%
WATSONVILLE 95076-77	1663	1047	63%
OUT OF COUNTY ZIP CODES	210	72	34.3%
<b>TOTALS</b>	<b>3870</b>	<b>1677</b>	<b>43.3%</b>

**SANTA CRUZ COUNTY**  
**TEEN BIRTHS BY ZIP CODE OF RESIDENCE**  
**2001**

Table IV

CITY	TOTAL BIRTHS	TEEN BIRTHS	% OF TEEN BIRTHS
APTOS 95003, 95001	212	7	3.3%
AROMAS 95004	25	1	4%
BEN LOMOND 95005	65	2	3%
BOULDER CREEK 95006	82	5	6.1%
BROOKDALE 95007	9	1	11.1%
CAPITOLA 95010	108	6	5.5%
DAVENPORT 95017	4	0	0
FELTON 95018	90	4	4.4%
FREEDOM 95019	117	10	8.5%
MOUNT HERMON 95041	10	0	0
SANTA CRUZ 95060-65	1016	68	6.7%
SCOTTS VALLEY 95066-67	161	9	5.6%
SOQUEL 95073	98	8	8.1%
WATSONVILLE 95076-77	1663	225	13.5%
OUT OF COUNTY ZIP CODES	210	14	6.6%
<b>TOTALS</b> <b>2001</b>	<b>3870</b>	<b>360</b>	<b>9.3%</b>

**TEENAGE BIRTHS IN SANTA CRUZ COUNTY  
BY RESIDENCE AND MOTHER'S AGE  
2001**

Table V

	<b>Age 14 &amp; Under</b>	<b>Age 15</b>	<b>Age 16</b>	<b>Age 17</b>	<b>Age 18-19</b>	<b>TOTAL</b>
APTOS	0	0	1	1	5	<b>7</b>
AROMAS	0	0	0	1	0	<b>1</b>
BEN LOMOND	0	0	0	0	2	<b>2</b>
BOULDER CREEK	0	0	2	0	3	<b>5</b>
BROOKDALE	0	0	1	0	0	<b>1</b>
CAPITOLA	0	0	0	1	5	<b>6</b>
DAVENPORT	0	0	0	0	0	<b>0</b>
FELTON	0	0	0	1	3	<b>4</b>
FREEDOM	0	0	2	3	5	<b>10</b>
MOUNT HERMON	0	0	0	0	0	<b>0</b>
SANTA CRUZ	1	5	8	10	44	<b>68</b>
SCOTTS VALLEY	0	0	0	0	9	<b>9</b>
SOQUEL	0	0	0	1	7	<b>8</b>
WATSONVILLE	1	9	23	39	153	<b>225</b>
OUT OF COUNTY	0	1	0	2	11	<b>14</b>
<b>TOTALS</b>	<b>2</b>	<b>15</b>	<b>37</b>	<b>59</b>	<b>247</b>	<b>360</b>

**TEEN BIRTHS TRENDS  
95076 - Watsonville  
1990-2001**

Table VI

<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%

**TEEN BIRTH TRENDS**  
**San Lorenzo Valley**  
**Ben Lomond, Boulder Creek, Brookdale, Felton**  
**1990 - 2001**

Table VII

<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%
200	238	11	4.6%
2001	246	12	4.9%

**Santa Cruz County  
SELECTED PERINATAL INDICATORS  
1998 - 2001 BIRTHS**

	<b>Santa Cruz County</b>				<b>State of California</b>
	<b>1998</b>	<b>1999</b>	<b>2000</b>	<b>2001</b>	<b>2000</b>
<b>Total Births</b>	3798	3776	3831	3870	531, 285
<b>Teen Births *</b>					
Number	409	366	371	360	55, 373
% of Total Births	10.8%	9.7%	9.7%	9.3%	10.6%
Rate/1000 Pop.	41.5	40.5	40.4	38.6	48.1%
<b>Infant Mortality Rate</b>	5.8	4.9	4.7	n.a.	n.a
<b>Low Birth Weight Under 5.5 Pounds</b>	5.3%	4.3%	5.2%	4.9%	6.2%
<b>Number of Babies Under 3.3 Pounds</b>					
Dominican	7	2	8	3	
Watsonville	9	6	5	7	
Sutter Maternity	0	0	1	0	
Out of County	17	29	20	15	
<b>Deliveries Funded By Medi-Cal</b>					
Dominican Hospital	33%	32%	31%	33%	n.a.
Watsonville Hospital	68%	71%	71%	71%	
Sutter Maternity	14%	17%	13%	14%	
Total	42%	42%	41%	43%	

\* 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**  
**1998 - 2001**

	<b>Santa Cruz County</b>				<b>State of California 2000</b>	<b>Year 2001 Goal</b>
	<b>1998</b>	<b>1999</b>	<b>2000</b>	<b>2001</b>		
<b>Percentage of Births Receiving Prenatal Care in First Trimester</b>						
Total Births						
Teens	83%	84%	88%	90.7%	83%	90%
Watsonville Hospital	73%	74%	80%	86.4%	70.5%	
Dominican Hospital	77%	77%	84%	90%		
Sutter Maternity	87%	89%	93%	90%		
Medi-Cal Funded	87%	88%	88%	92%		
Private & Other Funded	73%	73%	82%	96%		
	91%	92%	92%	94.4%		
<b>Third Trimester &amp; No Prenatal Care</b>						
Total Births	3.0%	2.5%	2.3%	2.1%	3%	
Teens	5.1%	3.8%	5.7%	3.3%	6%	
Watsonville Hospital	4.4%	4.9%	3.6%	3.5%		
Dominican Hospital	2.1%	1.1%	1.1%	1.0%		
Sutter Maternity	1.0%	0.6%	1.7%	1.0%		
Medi-Cal Funded:	5.3%	5.2%	4.1%	4%		
Private & Other funded	0.8%	0.6%	1.5%	0.7%		
<b>Inadequate Prenatal Care By Kessner Index</b>						
Total Births	3.0%	2.4%	2.0%	2.6%		
Teens	5.0%	3.6%	4.3%	3.6%		
Watsonville Hospital	4.6%	4.8%	3.1%	4%		
Dominican Hospital	1.9%	0.9%	1.1%	1.6%		
Sutter Maternity	1.0%	0.6%	0.1%	1%		
Medi-Cal Funded	5.3%	4.8%	3.2%	5%		
Private & Other Funded	0.8%	0.6%	1.0%	0.9%		

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