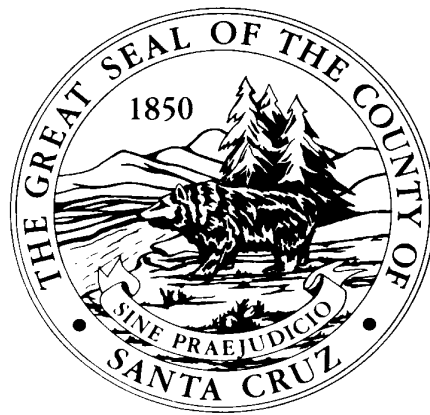


BIRTH CERTIFICATE SUMMARY

&

PERINATAL INDICATORS

2003



SANTA CRUZ COUNTY

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This report was compiled in March 2004 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 in "Reports and Statistics".

2003 BIRTH CERTIFICATE SUMMARY & HIGHLIGHTS

This year 2003 Birth Certificate Summary Report of 3964 births includes all births to Santa Cruz County residents (3442) and an additional 522 births to women who live in other counties but delivered in Santa Cruz County. Of the 3442 county residents' births, 240 delivered outside of the county and the indicator data concerning their births is shown in the "Out-of-County" column in Table I. The 522 non-county residents' birth data included in this report are interspersed among the three delivery facilities in the county, with Watsonville Community Hospital delivering the greater majority (344) of non-Santa Cruz County residents. 430 of the out-of-county residents live in Monterey County, with 223 of these births to Monterey County residents living in zip code 95076 (Watsonville) and 207 from other areas in Monterey County.

HIGHLIGHTS OF HEALTH INDICATORS FOR 2003:

- ◆ **TEEN BIRTHS CONTINUE IN A DECLINING TREND** - The numbers of births to teens, 19 years and under, has declined slightly to 9.0% of the total births, and the birth rate to teens declined to 30.5 per 1000 female teen population estimate. This is well below California's rate of 41.1 in 2002. Of the 358 teen births, 255 (71%) of them were to south county residents in Watsonville and Freedom and 85% were to Hispanic teens. Fifty-five (15%) were the second birth or more for the teen. This rate of second birth as a teen is much lower than both the California State average (20.5%) and USA average (21.2%). In comparison to the total birthing population, teens had higher rates of inadequate care, late or no prenatal care, and higher rates of low birth weight and pre-term births as shown below.

	TEENS	TOTAL SANTA CRUZ BIRTHS
Inadequate PN care by Kottlechuck Index*	38.6%	26.4%
Third trimester and no PN care	8%	3%
Low birthweight (under 5.5 pounds)	6%	5%
Pre-term births (less than 37 weeks Gestation)	12%	8.5%

* Note that the Kottlechuck Index of Adequacy of prenatal care has been used instead of the Kessner Index as in previous years. Further explanation of Kottlechuck can be found on page 9 in footnote.

- ◆ **MEDI-CAL BIRTHS** remained consistent at 45% of total births in the county this year. Watsonville Community Hospital continued to have 70% of their births funded through Medi-Cal this year and continued to deliver 66% of the entire county's Medi-Cal funded births. Of the 522 births to out of county residents, 51% were funded by Medi-Cal.
- ◆ **LOW BIRTHWEIGHT** (under 5.5 pounds) babies continue at a steady, low level of 5.0%, well below California's 6.4%. Forty-four babies under 3.3 pounds were delivered this year, a number slightly lower than last year. Twenty-four of those very low birthweight babies were to Hispanic women and eighteen of them to Caucasian women.

SANTA CRUZ COUNTY BIRTH CERTIFICATE SUMMARY **Table I**
BY OCCURRENCE AND RESIDENCE
FOR PERIOD OF: January 1, 2003 through December 31, 2003

	Watsonville Hospital	Dominican Hospital	Sutter Maternity	Out of County	Non- Hospital	TOTAL	%
AGE OF MOTHER:							
0-14	3	1	0	0	0	4	9%
15 – 17	103	16	8	2	0	129	
18 – 19	146	50	24	5	0	225	
20 – 34	1236	855	570	134	52	2847	
35 & over	196	259	182	99	23	759	19.2%
ETHNICITY:							
Caucasian	124	647	523	171	57	1522	38.4%
Hispanic	1544	422	209	53	5	2233	56.3%
Black	3	9	10	1	0	23	
Asian	13	68	32	13	1	127	3.2%
Unknown/Other	0	35	10	2	12	59	
PRENATAL CARE:							
None	6	5	1	1	2	15	0.4%
3RD Trimester	84	14	4	1	0	103	2.6%
Inadequate/Kottlechuck Index	655	238	101	42	10	1046	26.4%
Unknown	0	18	2	5	0	25	
1st Trimester	1390	1094	722	222	64	3492	88%
MOTHER'S EDUCATION:							
Unknown	64	47	16	4	11	142	
1-8 years	606	96	4	17	0	723	18%
9 - 11 years	364	127	21	10	0	522	13%
12 & more years	650	911	743	209	64	2577	65%
BIRTHWEIGHT OF BABY:							
Under 1500 gms	4	19	0	21	0	44	1%
1500 - 2499 gms	49	71	9	24	0	153	4%
2500 gms & over	1631	1091	775	195	75	3767	95%
DELIVERY FUNDED BY MEDI-CAL	1179	426	122	44	7	1778	45%
TOTAL BIRTHS	1684	1181	784	240	75	3964	100%

SANTA CRUZ COUNTY TEEN BIRTH CERTIFICATE Table II
BY OCCURRENCE AND RESIDENCE
FOR PERIOD OF: January 1, 2003 through December 31, 2003

AGE OF MOTHER:	1-14	15-17	18-19			TOTAL	%
ETHNICITY:							
Caucasian	0	10	38			48	13%
Hispanic	4	118	183			305	85%
Black	0	0	2			2	
Asian	0	0	2			2	
Unknown/Other	0	1	0			1	
PRENATAL CARE:							
None	0	1	2			3	
3 rd Trimester	1	12	13			26	
Inadequate/Kottlechuck Index	3	65	70			138	38.6%
Unknown	0	1	2			3	
1 st Trimester	1	88	182			271	75.7%
MOTHER'S EDUCATION:							
None/Unknown	3	9	11			23	
1 - 8 years	0	30	45			75	
9 - 11 years	1	66	52			119	
12 & more years	0	24	117			141	
BIRTHWEIGHT OF BABY:							
Under 1500 gms	0	0	5			5	6%
1500 – 2499 gms	1	9	7			17	
2500 gms & over	3	120	213			336	94%
NUMBER OF BIRTHS AS A TEEN:							
1 st Birth	4	117	182			303	
2 nd Birth	0	12	39			51	14.3%
3 rd Birth	0	0	4			4	1%
PREMATURES Under 37 wks	2	12	29			43	12%
DELIVERY FUNDED BY MEDI-CAL	4	113	192			309	86%
TOTAL BIRTHS	4	129	225			358	

**SANTA CRUZ COUNTY 2003 BIRTHS
BY ZIP CODE OF RESIDENCE AND MEDI-CAL PAYMENT**

Table III

CITY	TOTAL BIRTHS	MEDI-CAL	% MEDI-CAL
APTOS 95003, 95001	220	35	16%
AROMAS 95004	23	12	52%
BEN LOMOND 95005	55	9	16%
BOULDER CREEK 95006	93	13	14%
BROOKDALE 95007	11	6	55%
CAPITOLA 95010	100	28	28%
DAVENPORT 95017	4	1	25%
FELTON 95018	65	8	12%
FREEDOM 95019	135	87	64%
MOUNT HERMON 95041	11	0	0
SANTA CRUZ 95060-65	951	336	35%
SCOTTS VALLEY 95066-67	152	15	10%
SOQUEL 95073	93	27	29%
WATSONVILLE 95076-77	1727	1092	63%
OUT OF COUNTY ZIP CODES	522	268	51%
TOTALS	3964	1778	45%

**SANTA CRUZ COUNTY 2003
TEEN BIRTHS BY ZIP CODE OF RESIDENCE**

Table IV

CITY	TOTAL BIRTHS	TEEN BIRTHS	% TEEN BIRTHS
APTOS 95003, 95001	220	3	2.4%
AROMAS 95004	23	4	11%
BEN LOMOND 95005	55	3	7%
BOULDER CREEK 95006	93	1	1.2%
BROOKDALE 95007	11	1	7%
CAPITOLA 95010	100	7	9%
DAVENPORT 95017	4	0	11%
FELTON 95018	65	4	5%
FREEDOM 95019	135	16	14.2%
MOUNT HERMON 95041	11	0	22%
SANTA CRUZ 95060-65	951	52	5.5%
SCOTTS VALLEY 95066-67	152	1	2%
SOQUEL 95073	93	3	2.4%
WATSONVILLE 95076-77	1727	239	13.9%
OUT OF COUNTY ZIP CODES	522	56	11%
TOTALS	3964	358	9%

**TEEN BIRTHS TRENDS
WATSONVILLE
1990 - 2003**

Table V

YEAR	TOTAL BIRTHS (number)	TEEN BIRTHS (number)	PERCENTAGE OF BIRTHS TO TEENS
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%
2003	1727	239	13.9%

TEEN BIRTH TRENDS
San Lorenzo Valley
Ben Lomond, Boulder Creek, Brookdale, Felton
1990 - 2003

Table VI

YEAR	TOTAL BIRTHS (number)	TEEN BIRTHS (number)	PERCENTAGE OF BIRTHS TO TEENS
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%
2003	224	9	4.0%

**Santa Cruz County
SELECTED PERINATAL INDICATORS
2000 - 2003 BIRTHS**

	Santa Cruz County				State of California 2002
	2000	2001	2002	2003	
Total Births	3831	3870	3781	3964	529,245
Santa Cruz county residents	3500	3474	3316	3442	
Out of county residents	331	396	465	522	
Teen Births, age 19 and under					
Number	371	360	363	354	50,944
% of the total births	9.7%	9.3%	9.6%	9.0%	9.6%
Rate/1000 population *	36.3	32.9	32.3	31.0	41.1
Infant Mortality Rate	4.7	3.7	3.9	n/a	5.4
Low Birth Weight Under 5.5 Pounds	5.2%	4.9%	5.6%	5.0%	6.4%
Number of Babies Under 3.3 Pounds					
Dominican	8	3	19	19	6127
Watsonville	5	7	6	4	
Sutter Maternity	1	0	0	0	
Out of County	20	15	22	21	
Deliveries Funded By Medi-Cal					
Dominican	31%	33%	34%	36%	41.5%
Watsonville	71%	71%	75.5%	70%	
Sutter Maternity	13%	14%	14.7%	15.6%	
Total	41%	43%	46%	45%	

* Rate/1000 female population includes ages 15-19 and is based on the California Department of Finance estimates from the 1990 Census, even though the US Census Bureau shows them to be underestimated for these age groups. This is the standard denominator nationwide and therefore serves as a basis of comparison. Rates have been re-calculated to include only those teen births who are Santa Cruz residents. In previous years, this calculation included all birth to teens, both residents and out of county residents. Thus, they were slightly higher rates and were inaccurate.

**Santa Cruz County
Comparison of Selected Perinatal Indicators
2000 - 2003**

	Santa Cruz County				State of California 2002
	2000	2001	2002	2003	
Percentage of Births Receiving Prenatal Care in First Trimester					
Total Births	88.1%	90.7%	91.4%	88.1%	84%
Teens	80.3%	86.4%	83.2%	75.7%	
Watsonville Hospital	83.8%	90.2%	89.6%	82.6%	
Dominican Hospital	92.7%	90.3%	92.5%	92.6%	
Sutter Maternity	88.4%	92.0%	93.1%	92.1%	
Medi-Cal Funded	81.9%	86.2%	87.7%	82.0%	
Private & Other Funded	92.2%	94.4%	95.1%	93.2%	
Third Trimester & No Prenatal Care					
Total Births	2.3%	2.1%	1.8%	2.9%	2.5%
Teens	5.7%	3.3%	4.4%	8.1%	
Watsonville Hospital	3.6%	3.5%	3.2%	5.4%	
Dominican Hospital	1.1%	1.0%	1.1%	1.6%	
Sutter Maternity	1.7%	1.0%	0.4%	0.6%	
Medi-Cal Funded:	4.1%	3.9%	2.9%	5.0%	
Private & Other funded	1.5%	0.7%	0.6%	1.7%	
Adequate Prenatal Care By Kottlechuck Index *					
Total Births	68.9%	70.0%	72.6%	72.8%	N/A
Teens	56.1%	63.1%	61.0%	59.8%	
Watsonville Hospital	54.1%	56.9%	59.5%	60.8%	
Dominican Hospital	73.9%	74.9%	78.3%	78.5%	
Sutter Maternity	84.2%	85.6%	86.5%	86.7%	
Medi-Cal Funded	57.3%	59.1%	63.6%	64.7%	
Private & Other Funded	76.9%	78.5%	80.1%	79.5%	

Note: The Kottlechuck Index of adequacy of care is based on the month prenatal care began and the number of visits attended as recommended by the American College of OB-GYN Standards of Care. Adequate and adequate-plus categories are included here, and represent care begun by the 4th month of

pregnancy, and 80 to 110% of the recommended visits received.