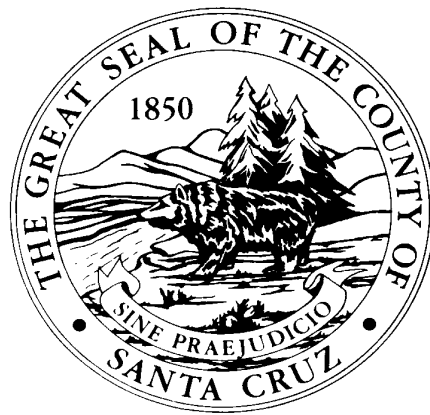


BIRTH CERTIFICATE SUMMARY

&

PERINATAL INDICATORS

2004



SANTA CRUZ COUNTY

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This report was compiled in March 2005 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".

## 2004 BIRTH CERTIFICATE SUMMARY & HIGHLIGHTS

This year 2004 Birth Certificate Summary Report of 3909 births includes all births to Santa Cruz County residents (3391) and an additional 518 births to women who live in other counties but delivered in Santa Cruz County. Of the 3391 county residents' births, 184 delivered outside of the county and the indicator data concerning their births is shown in the "Out-of-County" column in Table I. The 518 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 (380) of non-Santa Cruz County residents. 433 of the out-of-county residents live in Monterey County, with 191 of these births to Monterey County residents living in zip code 95076 (Watsonville) and 242 from other areas in Monterey County.

### HIGHLIGHTS OF HEALTH INDICATORS

- ◆ **BIRTHS TO TEENS** increased in overall numbers this year by 20, but the *rate* remains consistently low at 31.7 (per 1000 female population). This is well below California's rate of 38.9 in 2003 (the latest available). Of the 378 teen births, 265 (70%) of them were to south county residents in Watsonville and Freedom and 88% were to Hispanic teens county-wide. Sixty (16%) were the second birth or more for the teen. This rate of second birth as a teen remains 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 lower rates of low birth weight and pre-term births as shown below.

	<b>TEENS</b>	<b>TOTAL SANTA CRUZ BIRTHS</b>
Inadequate PN care by Kottlechuck Index*	32.8%	23%
Third trimester and no PN care	5.5%	2.3%
Low birthweight (under 5.5 pounds)	3.7%	5.1%
Pre-term births (less than 37 weeks Gestation)	8.7%	8.9%

\* 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** increased to 48.8% of total births in the county this year. Watsonville Community Hospital continued to have the highest number of births funded through Medi-Cal (74.5%) and continued to deliver the majority of the county's Medi-Cal funded births (67%). Of the 518 births to out of county residents, 56% were funded by Medi-Cal.
- ◆ **LOW BIRTHWEIGHT** (under 5.5 pounds) babies continue at a steady, low level of 5.1%, well below California's 6.6%. Forty-one babies under 3.3 pounds were delivered this year, a number slightly lower than last year. Twenty-three of those very low birthweight babies were to Hispanic women and seventeen of them to Caucasian women.

**SANTA CRUZ COUNTY BIRTH CERTIFICATE SUMMARY      Table I**  
**BY OCCURRENCE AND RESIDENCE**  
**FOR PERIOD OF: January 1, 2004 through December 31, 2004**

	Watsonville Hospital	Dominican Hospital	Sutter Maternity	Out of County	Non- Hospital	TOTAL	%
<b>AGE OF MOTHER:</b>							
0-14	5	0	0			5	9.7%
15 – 17	101	20	11	3	0	135	
18 – 19	164	39	28	6	1	238	
20 – 34	1243	756	609	107	45	2760	
35 & over	204	274	202	68	23	771	19.7%
<b>ETHNICITY:</b>							
Caucasian	102	569	577	107	52	1407	36%
Hispanic	1587	422	221	59	4	2293	58.7%
Black	3	5	7	2	0	17	
Asian	24	49	35	7	0	115	2.9%
Unknown/Other	1	44	10	9	13	77	
<b>PRENATAL CARE:</b>							
None	20	3	0	1	0	24	0.6%
3RD Trimester	49	6	8	1	0	64	1.6%
Inadequate/Kottlechuck Index	515	222	129	28	10	904	23%
Unknown	0	14	0	6	0	20	
1st Trimester	1478	1005	788	169	63	3503	89.7%
<b>MOTHER'S EDUCATION:</b>							
Unknown	46	49	9	15	12	131	18.9%
1-8 years	624	95	9	8	0	736	
9 - 11 years	431	107	38	18	0	594	
12 & more years	616	838	794	143	57	2448	62.6%
<b>BIRTHWEIGHT OF BABY:</b>							
Under 1500 gms	7	13	0	21	0	41	1%
1500 - 2499 gms	54	72	7	24	1	158	4%
2500 gms & over	1656	1004	843	139	68	3710	
<b>DELIVERY FUNDED BY MEDI-CAL</b>	1280	428	151	41	6	1906	48.8%
<b>TOTAL BIRTHS</b>	1717	1089	850	184	69	3909	

**SANTA CRUZ COUNTY TEEN BIRTH CERTIFICATE      Table II**  
**BY OCCURRENCE AND RESIDENCE**  
**FOR PERIOD OF: January 1, 2004 through December 31, 2004**

AGE OF MOTHER:	1-14	15-17	18-19			TOTAL	%
<b>ETHNICITY:</b>							
Caucasian	0	6	34			40	10.6%
Hispanic	5	126	201			332	88%
Black	0	1	1			2	
Asian	0	1	1			2	
Unknown/Other	0	1	1			2	
<b>PRENATAL CARE:</b>							
None	0	3	4			7	
3 <sup>rd</sup> Trimester	1	6	7			14	
Inadequate/Kottlechuck Index	3	47	74			124	32.8%
Unknown	0	0	1			1	
1 <sup>st</sup> Trimester	3	100	200			303	80.2%
<b>MOTHER'S EDUCATION:</b>							
None/Unknown	1	3	8			12	
1 - 8 years	3	43	50			96	
9 - 11 years	1	80	55			136	
12 & more years	0	9	125			134	
<b>BIRTHWEIGHT OF BABY:</b>							
Under 1500 gms	0	2	2			4	3.7%
1500 – 2499 gms	0	6	4			10	
2500 gms & over	5	127	232			364	96.3%
<b>NUMBER OF BIRTHS AS A TEEN:</b>							
1st Birth	5	127	186			318	
2nd Birth	0	8	43			51	13.3%
3rd or more Birth	0	0	9			9	2.4%
<b>PREMATURES Under 37 wks</b>	0	16	17			33	8.7%
<b>DELIVERY FUNDED BY MEDI-CAL</b>	5	124	205			334	88.4%
<b>TOTAL BIRTHS</b>	5	135	238			378	

**SANTA CRUZ COUNTY 2004 BIRTHS  
BY ZIP CODE OF RESIDENCE AND MEDI-CAL PAYMENT**

Table III

CITY	TOTAL BIRTHS	MEDI-CAL	% MEDI-CAL
APTOS 95003, 95001	197	30	15.2%
AROMAS 95004	37	18	48.6%
BEN LOMOND 95005	63	12	19.0%
BOULDER CREEK 95006	81	18	22.2%
BROOKDALE 95007	12	4	33.3%
CAPITOLA 95010	100	29	29.0%
DAVENPORT 95017	3	1	33.3%
FELTON 95018	79	12	15.2%
FREEDOM 95019	177	126	71.2%
MOUNT HERMON 95041	7	1	14.3%
SANTA CRUZ 95060-65	929	327	35.2%
SCOTTS VALLEY 95066-67	124	13	10.5%
SOQUEL 95073	96	24	25.0%
WATSONVILLE 95076-77	1682	1152	68.5%
OUT OF COUNTY ZIP CODES	322	139	43.2%
<b>TOTALS</b>	<b>3909</b>	<b>1906</b>	

**SANTA CRUZ COUNTY 2004  
TEEN BIRTHS BY ZIP CODE OF RESIDENCE**

**Table IV**

<b>CITY</b>	<b>TOTAL BIRTHS</b>	<b>TEEN BIRTHS</b>	<b>% TEEN BIRTHS</b>
APTOS 95003, 95001	197	6	3%
AROMAS 95004	37	6	16.2%
BEN LOMOND 95005	63	4	6.3%
BOULDER CREEK 95006	81	1	1.2%
BROOKDALE 95007	12	1	8.3%
CAPITOLA 95010	100	6	6%
DAVENPORT 95017	3	0	0%
FELTON 95018	79	1	1.3%
FREEDOM 95019	177	18	10.2%
MOUNT HERMON 95041	7	0	0%
SANTA CRUZ 95060-65	929	49	5.3%
SCOTTS VALLEY 95066-67	124	3	2.4%
SOQUEL 95073	96	4	4.2%
WATSONVILLE 95076-77	1682	247	14.7%
OUT OF COUNTY ZIP CODES	322	32	9.9%
<b>TOTALS</b>	<b>3909</b>	<b>378</b>	<b>9.7%</b>

**TEEN BIRTHS TRENDS  
WATSONVILLE  
1990 - 2004**

**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%
2003	1727	239	13.9%
2004	1682	247	14.7%



**TEEN BIRTH TRENDS**  
**San Lorenzo Valley**  
**Ben Lomond, Boulder Creek, Brookdale, Felton**  
**1990 - 2004**

**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%
2003	224	9	4.0%
2004	235	6	2.6%

**Santa Cruz County  
SELECTED PERINATAL INDICATORS  
2001 - 2004 BIRTHS**

	<b>Santa Cruz County</b>				<b>State of California 2003</b>
	<b>2001</b>	<b>2002</b>	<b>2003</b>	<b>2004</b>	
<b>Total Births</b>	3870	3781	3964	3909	540,827
Santa Cruz county residents	3474	3316	3442	3391	
Out of county residents	396	465	522	518	
<b>Teen Births, age 19 and under</b>					
Number	360	363	358	378	50,040
% of the total births	9.3%	9.6%	9.0%	9.7%	9.3%
Rate/1000 female population*	32.9	32.3	31.0	31.7	38.9
<b>Infant Mortality Rate</b>	3.7	3.9	4.3	na	5.2
<b>Low Birth Weight Under 5.5 Pounds</b>	4.9%	5.6%	5.0%	5.1%	6.6%
<b>Number of Babies Under 3.3 Pounds</b>					6344
Dominican					
Watsonville	3	19	19	13	
Sutter Maternity	7	6	4	7	
Out of County	0	0	0	0	
	15	22	21	21	
<b>Deliveries Funded By Medi-Cal</b>					
Dominican	33%	34%	36%	39.3%	
Watsonville	71%	75.5%	70%	74.5%	
Sutter Maternity	14%	14.7%	15.6%	17.8%	
Total, All Births	43%	46%	45%	48.8%	

\* Rate/1000 female population includes ages 15-19 and, beginning in 2003, is based on the California Department of Finance estimates from the new 2000 Census. Rates are calculated to include only those teen births to Santa Cruz residents, and are compared to California residents.

**Santa Cruz County  
Comparison of Selected Perinatal Indicators  
2001- 2004**

	Santa Cruz County				State of California 2003
	2001	2002	2003	2004	
<b>Percentage of Births Receiving Prenatal Care in First Trimester</b>					
Total Births	90.7%	91.4%	88.1%	89.7%	85.8%
Teens	86.4%	83.2%	75.7%	80.2%	
Watsonville Hospital	90.2%	89.6%	82.6%	86.1%	
Dominican Hospital	90.3%	92.5%	92.6%	92.3%	
Sutter Maternity	92.0%	93.1%	92.1%	92.7%	
Medi-Cal Funded	86.2%	87.7%	82.0%	84.6%	
Private & Other Funded	94.4%	95.1%	93.2%	94.4%	
<b>Third Trimester &amp; No Prenatal Care</b>					
Total Births	2.1%	1.8%	2.9%	2.3%	2.5%
Teens	3.3%	4.4%	8.1%	5.5%	
Watsonville Hospital	3.5%	3.2%	5.4%	4.0%	
Dominican Hospital	1.0%	1.1%	1.6%	0.8%	
Sutter Maternity	1.0%	0.4%	0.6%	0.9%	
Medi-Cal Funded:	3.9%	2.9%	5.0%	3.6%	
Private & Other funded	0.7%	0.6%	1.7%	0.9%	
<b>Adequate Prenatal Care By Kottlechuck Index*</b>					
Total Births	70.0%	72.6%	72.8%	75.9%	
Teens	63.1%	61.0%	59.8%	65.3%	
Watsonville Hospital	56.9%	59.5%	60.8%	68.8%	
Dominican Hospital	74.9%	78.3%	78.5%	78.7%	
Sutter Maternity	85.6%	86.5%	86.7%	84.8%	
Medi-Cal Funded:	59.1%	63.6%	64.7%	71.6%	
Private & Other funded	78.5%	80.1%	79.5%	80.4%	

**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 4<sup>th</sup> month of pregnancy, with a total of 12 to 17 visits received.