

BIRTH CERTIFICATE SUMMARY

&

PERINATAL INDICATORS

1998



SANTA CRUZ COUNTY

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This report was compiled in April 1999 by Santa Cruz County Health Services Agency, Maternal, Child, and Adolescent Health Office. To obtain copies or discuss contents, contact Lynn McKibbin, PHN, at 831 454-4650.

BIRTH CERTIFICATE SUMMARY & HIGHLIGHTS

This 1998 Birth Certificate Summary Report includes all births to Santa Cruz County residents (3,418) and 380 births to women who live in other counties. Of the county residents who gave birth, 261 delivered outside of the county and the indicator data concerning their births is shown in the "Out of County" column in Tables 1 and 2. The 380 non-county residents' birth data included in this report are interspersed among the 3 delivery facilities in the county; 202 of these births are to Monterey County residents living in zip code 95076.

HIGHLIGHTS OF HEALTH INDICATORS FOR 1998:

- ◇ 83% of all women in 1998 received prenatal care in the first trimester. This rate continues to rise slowly and is only slightly higher than the 82% seen in 1997, but is still higher than the 81% statewide. The Year 2000 Goal is 90%. Entry into care in the third trimester continues to remain low at 2.4%, and only 24 birth certificates indicated "no prenatal care". Only 3% of the women received inadequate care according to Kessner index.
- ◇ Low birthweight (under 5.5 pounds) babies continue at a steady, low level of 5.3%, well below California's 6.1% and nearly equal to the Year 2000 goal of 5%. Teens show a 5.6% rate of low birthweight with a larger proportion of the babies at under 1500 gms (3.3 pounds) than the general population. These numbers remain quite small however and are probably not statistically significant.
- ◇ Medi-Cal births have continued on a downward trend, now 42% of the total births in Santa Cruz County. Medi-Cal births peaked at 51% in 1994. Watsonville Hospital accounts for 65% of all Medi-Cal deliveries included in this report.
- ◇ Births to women age 35 and older account for 18% of all births in Santa Cruz County. This is higher than the statewide average of 14.7% (in 1997).
- ◇ Births to teenagers 19 and under (10.8%) have increased slightly above the 10.1% from 1997, yet still show a 14% decrease from 1995 – 1998. Percentage change (calculated from raw numbers) by city is displayed in Table V. 81% of the births to teens are Hispanic as compared to the 53% of total births for Hispanics. The largest number and proportion of teen births continue to occur in Watsonville.
- ◇ Of the 409 births to teenagers in the county, 63 were the 2nd birth or more for the teen. This represents 15% of total births to teenage mothers, much lower than the national average of 22% (in 1996). Watsonville is even lower with 14%.

SANTA CRUZ COUNTY BIRTH CERTIFICATE SUMMARY
BY OCCURRENCE AND RESIDENCE

Table I

FOR PERIOD OF: January 1, 1997 through December 31, 1998

	Watsonville Hospital	Dominican Hospital	Sutter Maternity	Out of County	Non- Hospital	TOTAL	%
AGE OF MOTHER:							
15 & under	25	11	0	2	0	38	10.8%
16 – 17	89	32	12	4	0	137	
18 – 19	149	60	19	5	1	234	
20 – 34	1094	904	503	156	61	2718	
35 & over	151	253	149	94	24	671	18%
ETHNICITY:							
Caucasian	131	734	484	179	68	1596	42%
Hispanic	1360	398	163	64	5	1990	53%
Black	2	12	10	0	1	25	
Asian	15	57	23	12	1	108	
Unknown/Other	0	59	3	6	11	79	
PRENATAL CARE:							
None	15	4	0	3	2	24	0.6%
3 rd Trimester	51	23	7	5	5	91	2.4%
Inadequate/Kessner Index	70	24	7	7	7	115	3%
Unknown	0	43	1	2	2	48	
1 st Trimester	1167	1096	593	226	56	3138	83%
MOTHER'S EDUCATION:							
None/Unknown	17	102	2	7	11	139	
1 - 8 years	599	105	10	15	0	729	
9 - 11 years	382	125	47	17	2	573	
12 & more years	510	928	624	222	73	2357	
MOM'S PLACE OF BIRTH:							
Mexico	1021	243	69	29	1	1363	36%
BIRTHWEIGHT OF BABY:							
Under 1500 gms	9	7	0	17	0	33	0.9%
1500 – 2499 gms	51	68	12	36	0	167	4.4%
2500 gms & over	1448	1185	671	208	86	3598	
DELIVERY FUNDED BY MEDI-CAL	1021	413	96	45	2	1577	42%
TOTAL BIRTHS	1508	1260	683	261	86	3798	

**SANTA CRUZ COUNTY TEEN BIRTH CERTIFICATE SUMMARY
BY OCCURRENCE AND RESIDENCE**

Table II

FOR PERIOD OF: January 1, 1997 through December 31, 1998

	Watsonville Hospital	Dominican Hospital	Sutter Maternity	Out of County	Non- Hospital	TOTAL	%
AGE OF MOTHER:							
14 & under	7	1	0	1	0	9	
15	18	10	0	1	0	29	
16 – 17	89	32	12	4	0	137	
18-19	149	60	19	5	1	234	
TOTAL BIRTHS TO TEENS	263	103	31	11	1	409	10.8%
ETHNICITY:							
Caucasian	15	33	10	3	0	61	15%
Hispanic	244	61	18	7	0	330	81%
Black	1	4	3	0	0	8	
Asian	3	1	0	1	0	5	
Unknown/Other	0	4	0	0	1	5	
PRENATAL CARE:							
None	8	0	0	1	0	9	
3 rd Trimester	8	3	1	0	0	12	
Inadequate/Kessner Index	16	4	1	1	0	22	5%
Unknown	0	8	0	0	0	8	
1 st Trimester	186	80	24	7	0	297	73%
MOTHER'S EDUCATION:							
None/Unknown	3	12	0	0	0	15	
1 - 8 years	76	11	1	1	0	89	
9 - 11 years	114	45	15	4	0	178	
12 & more years	70	35	15	6	1	127	
MOM'S PLACE OF BIRTH:							
Mexico	137	27	1	7	0	172	42%
BIRTHWEIGHT OF BABY:							
Under 1500 gms	2	1	0	2	0	5	1.2%
1500 – 2499 gms	13	5	0	0	0	18	4.4%
2500 gms & over	248	97	31	9	1	386	

DELIVERY FUNDED BY MEDI-CAL	230	82	17	8	0	337	82%

Table III

SANTA CRUZ COUNTY
BIRTHS BY ZIP CODE OF RESIDENCE
1998

CITY	TOTAL BIRTHS	TEEN BIRTHS	% OF TEEN BIRTHS
APTOS 95003, 95001	240	11	4.6%
AROMAS 95004	21	2	9.5%
BEN LOMOND 95005	57	1	1.8%
BOULDER CREEK 95006	96	6	6.3%
BROOKDALE 95007	14	0	0
CAPITOLA 95010	86	7	8%
DAVENPORT 95017	7	1	14%
FELTON 95018	87	2	2%
FREEDOM 95019	111	14	12.6%
MOUNT HERMON 95041	5	0	0
SANTA CRUZ 95060-65	1024	79	7.7%
SCOTTS VALLEY 95066-67	164	2	1.25%
SOQUEL 95073	103	5	5%

WATSONVILLE 95076-77	1601	259	16.2%
OUT OF COUNTY ZIP CODES	182	20	11%
TOTALS	3798	409	10.8%

Table IV

TEENAGE BIRTHS IN SANTA CRUZ COUNTY

BY RESIDENCE AND MOTHER'S AGE
1998

	Age 14 & Under	Age 15	Age 16	Age 17	Age 18-19	TOTAL
APTOS 95003-01	0	2	1	2	6	11
AROMAS 95004	0	0	0	0	2	2
BEN LOMOND 95005	0	0	0	1	0	1
BOULDER CREEK 95006	0	0	0	1	6	6
BROOKDALE 95007	0	0	0	0	0	0
CAPITOLA 95010	0	0	1	1	5	7
DAVENPORT 95017	0	0	0	1	0	1
FELTON 95018	0	0	0	1	1	2
FREEDOM 95019	1	2	2	2	7	14
MOUNT HERMON 95041	0	0	0	0	0	0
SANTA CRUZ 95060-65	1	8	9	12	49	79
SCOTTS VALLEY 95066-67	0	0	0	2	0	2
SOQUEL 95073	0	0	0	4	1	5
WATSONVILLE 95076	7	17	34	58	143	259
OUT OF COUNTY	0	0	2	4	14	20
TOTALS	9	29	48	89	234	409

Table V

TEEN AGE BIRTHS in SANTA CRUZ COUNTY

PERCENTAGE of BIRTHS to TEENS *
1995 – 1998

	1995	1996	1997	1998		% Change 1995-1998
APTOS	8%	4.6%	3.7%	4.6%		-42%
AROMAS	15%	5.6%	21%	9.5%		-33%
CAPITOLA	6.7%	9.3%	3.2%	8%		-22%
DAVENPORT	0	0	10%	14%		+100%
FREEDOM	16.4%	13.4	18.8%	12.6%		-36%
MOUNT HERMON	0	0	0	0		0
SAN LORENZO VALLEY	7%	4.6%	4.3%	3.5%		-50%
BEN LOMOND	6.7%	6%	1.5%	1.8%		-75%
BOULDER CREEK	5.3%	2.6%	6.2%	6.3%		+20%
BROOKDALE	20%	0	0	0		-20%
FELTON	7.2%	6.7%	4.7%	2%		-71%
SANTA CRUZ	10%	9.5%	7.6%	7.7%		-26%
SCOTTS VALLEY	2.4%	4.7%	3.9%	1.2%		-50%
SOQUEL	5.8%	10.5%	10.7%	5%		-17%
WATSONVILLE	17.2%	15.3%	14.2%	16.2%		-5%
OUT OF COUNTY	8.3%	8.5%	8.5%	11%		+43%
TOTALS	12.4%	11.1%	10.1%	10.8%		-14%
	(475)	(428)	(400)	(409)		

- The percentage of births to teens, age 19 years and under, as compared to the total births for all ages to women in the specified city

Table VI

TEEN BIRTH TRENDS

95076 - Watsonville
1990 - 1998

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%

Table VII

TEEN BIRTH TRENDS

San Lorenzo Valley
1990 - 1998

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%
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*San Lorenzo Valley includes:

Brookdale	-	0	Ben Lomond	-	1
Boulder Creek	-	7	Felton	-	2

Table VIII

Santa Cruz County - 1998

Teens with Two or More Live Births

Age	Total Births	Total Teens with 2 nd Live Birth	Total Watsonville (95076) Teens with 2+Births
13		0	0
14	6	0	0
15	29	0	0
16	48	5	3
17	89	8	5
18-19	234	50	29
TOTAL	409	63 (15%)	37 (14% of Total Teen Births for 95076)

Nationally in 1996, 22% of all births to teens age 15-19 were 2nd or higher birth order according to Child Trends, Inc., "Facts At A Glance."

Santa Cruz County - 1998

Teens: Trimester PN Care Initiated
Watsonville - ZIP Code 95076-77

AGE	NO PN CARE	1 ST TRIMESTER	2 ND TRIMESTER	3 RD TRIMESTER
14 – Under	0	4	3	0

15 – 17	3	75	27	4
18 – 19	5	101	33	4
TOTAL	8 (3%)	180 (69%)	63	8 (3%) of Total Teen Birth in Watsonville)

Table IX

County of Santa Cruz

**1998 BIRTH CERTIFICATE SUMMARY
BY RESIDENCE AND OCCURRENCE
Mother's Age by Father's Age**

Mother's Age

Father's Age

	11	12	13	14	15	16	17	Total
13								
14				0	0	0	0	0
15				1	1	0	0	2
16				0	0	4	0	4
17				0	1	3	6	10
18				1	4	3	5	13
19				1	4	6	9	20
20				0	5	6	11	22
21				0	1	3	9	13
22				1	0	3	12	16
23				0	2	4	6	12
24				0	1	1	8	10
25				0	0	2	3	5
26				0	1	1	0	2
27				0	0	0	1	1
28				0	0	1	1	2
29				0	0	0	2	2
30				0	1	1	0	2
31+				0	0	0	3	3
<i>Father's Age Not Specified</i>			3	2	8	10	13	36
TOTAL			3	6	29	48	89	175
<i>Father's Age 6+ Yrs. older than Mother</i>				1	6	13	24	44

This table shows the baby's **mother's age** across the top going left to right, and baby's *father's age* on the left side running top to bottom. Use the following examples to extract data from the chart: "There were 3 births to thirteen year-old girls, and none of the birth certificates specified the father's age and 3 seventeen year old girls' babies were fathered by men 31 years of age or older."

Nationally 20% of all teen mothers list father of the baby as 6+ years older, according to research at Alan Guttmacher Institute in 1996. In Santa Cruz County in 1998, 25% list father as 6+ years older. In 1996 in California, 24% list father as 6+ years older.

By law, pregnancy is reportable to law enforcement when the mother is under 14 at conception, with any age father or when the mother is 14-15 at conception and the father is 21 and older. There were 49 births in Santa Cruz County that could possibly fit this criteria.

Santa Cruz County
PERINATAL INDICATORS
1995 - 1998 BIRTH CERTIFICATES

Total Births	1995	1996	1997	1998	State of California 1997
	3835	3845	3948	3798	524,174
Teen Births					
Number	475	427	400	409	61,107
Percent of Total Births	12.4%	11.2%	10.1%	10.8%	11.7%
Infant Mortality Rate	3.7	6.1	4.8%	n.a.	5.9%
Low Birthweight Under 5.5 pounds	4.4%	4.4%	5.0%	5.3%	6.1%
<u>Under 3.3 pounds</u>					
Dominican (#)	3	2	6	7	
Watsonville (#)	6	8	7	9	
Sutter (#)	--	0	0	0	5,869
Out of County (#)	19	22	20	17	
Deliveries Funded By Medi-Cal					
Dominican	32%	37%	38%	33%	
Watsonville	73%	70%	68%	68%	
Sutter	--	9%	14%	14%	
Total	48.9%	46.5%	44.5%	42.0%	

* 1995 - 1998 total births include all births to Santa Cruz County residents and births to non-county residents who delivered in Santa Cruz County facilities.

* Teen births include age 19 and under.

Santa Cruz County
COMPARISON OF SELECTED
PERINATAL INDICATORS
1994 - 1997

Percentage of Births Receiving Prenatal Care in the First Trimester	1995	1996	1997	1998	State of California 1997	Year 2000 Goal
Total Births:	82%	81%	82%	83%	81%	90%
Teens:	69%	66%	71%	73%		
Watsonville Hospital	75%	74%	76%	77%		
Dominican Hospital	89%	86%	87%	87%		
Sutter Maternity	--	81%	88%	87%		
Medi-Cal Funded	73%	72%	74%	73%		
Private & Other Funded	91%	88%	91%	91%		

3rd Trimester and no Prenatal Care	1995	1996	1997	1998	State of California 1997
Total Births	4.0%	3.7%	2.5%	3.0%	3.7%
Teens:	6.5%	4.9%	5.8%	5.1%	
Watsonville Hospital	6.3%	5.5%	4.0%	4.4%	
Dominican Hospital	1.6%	1.9%	1.4%	2.1%	
Sutter Maternity	--	4.5%	1.0%	1.0%	
Medi-Cal Funded:	6.4%	5.6%	3.2%	5.3%	
Private & Other Funded	1.5%	1.9%	0.9%	0.8%	

Inadequate Prenatal Care by Kessner Index	1995	1996	1997	1998
Total Births	4.3%	4.1%	3.0%	3.0%
Teens	8.0%	5.4%	5.0%	5.0%
Watsonville Hospital	7.0%	6.2%	5.0%	4.6%
Dominican Hospital	2.0%	1.8%	1.6%	1.9%
Sutter Maternity	--	4.5%	1.1%	1.0%
Medi-Cal Funded	7.0%	6.1%	4.1%	5.3%
Private & Other Funded	1.5%	2.2%	1.1%	0.8%

(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.)