

BIRTH CERTIFICATE SUMMARY

&

PERINATAL INDICATORS

1999



SANTA CRUZ COUNTY

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This report is compiled by the Santa Cruz County Health Services Agency, office of the Maternal, Child, and Adolescent Health (MCAH) Director . To obtain copies or discuss contents, contact Lynn McKibbin, MCAH Director or Katie LeBaron, MPH, at 831.454.5482.

BIRTH CERTIFICATE SUMMARY & HIGHLIGHTS

This 1999 Birth Certificate Summary Report includes all births to Santa Cruz County residents (3,431) and 345 births to women who live in other counties. Of the county residents who gave birth, 250 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 345 non-county residents' birth data included in this report are interspersed among the 3 delivery facilities in the county; 162 of these births are to Monterey County residents living in zip code 95076.

HIGHLIGHTS OF HEALTH INDICATORS FOR 1999:

- ◆ 84% of all women in 1999 received prenatal care in the first trimester. This rate continues to rise slowly and is only slightly higher than the 83% seen in 1997, but is still higher than the 81% statewide. The Year 2000 Goal for the state of California is 90%. Entry into care in the third trimester continues to remain low at 2%, and only 20 birth certificates indicated "no prenatal care". Only 2.4% 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%, below California's 6.2% and nearly equal to the Year 2000 goal of 5%. Teens show an 8.7% 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 with only 37 babies under 1500 grams for the total county's births.
- ◆ Medi-Cal births have continued on a downward trend, remaining at 42% of the total births in Santa Cruz County. Medi-Cal births peaked at 51% in 1994. Watsonville Community Hospital's Medi-Cal deliveries are 70.7% of their total number of deliveries.
- ◆ Births to women age 35 and older account for 18.5% of all births in Santa Cruz County. This is higher than the statewide average of 14.7% (in 1997).
- ◆ The raw number of births to teenagers 19 and under continues on a decline, now at 9.7% of the total births in the county. Teen birth *rates* reflect the same picture with a 1999 rate of 40.5 (per 1000 population estimate) down from 45.8 in 1996. Analysis of the raw number of births to teens shows an overall drop of 23% from 1995 to 1999. Area/hot spots/city declines from 1995 – 1999 are as follows:

*	San Lorenzo Valley	-28%
*	City of Santa Cruz	-37%
*	Watsonville	-21%
- ◆ Of the 366 births to teenagers in the county, 59 were the 2nd birth (or more) for the teen. This represents 16% of all births to teenage mothers, much lower than the national

average of 22% (in 1998).

SANTA CRUZ COUNTY BIRTH CERTIFICATE SUMMARY
BY OCCURRENCE AND RESIDENCE
FOR PERIOD OF: January 1, 1999 through December 31, 1999

Table I

AGE OF MOTHER:	Watsonville Hospital	Dominican Hospital	Sutter Maternity	Out of County	Non-Hospital	TOTAL	%
15 & under	16	10	1	1	0	28	
16 – 17	61	21	6	3	0	91	
18 – 19	133	66	32	16	0	247	9.7%
20 – 34	1078	877	541	151	64	2711	71.8%
35 & over	160	241	197	79	22	699	18.5%
ETHNICITY:							
Caucasian	121	673	556	173	76	1599	42.3%
Hispanic	1315	403	178	54	4	1954	51.7%
Black	0	10	6	4	0	20	0.5%
Asian	11	64	29	9	0	113	3%
Unknown/Other	1	65	8	10	6	90	2.5%
PRENATAL CARE:							
None	13	4	0	3	0	20	0.5%
3 rd Trimester	58	10	5	2	0	75	2%
Inadequate/Kessner Index	70	11	5	3	2	91	2.4%
Unknown	3	34	0	2	0	39	-
1 st Trimester	1119	1078	683	228	68	3176	84%
MOTHER'S EDUCATION:							
None/Unknown	19	73	6	13	5	116	3.1%
1 - 8 years	590	88	13	20	0	711	18.8%
9 - 11 years	384	121	49	9	2	565	15%
12 & more years	455	933	709	208	79	2384	63.1%
BIRTHWEIGHT OF BABY:							
Under 1500 gms	6	2	0	29	0	37	1.1%
1500 – 2499 gms	67	57	9	26	2	161	4.3%
2500 gms & over	1375	1156	768	195	84	3578	94.7%
DELIVERY FUNDED BY MEDI-CAL	1024	391	134	35	8	1592	42%
TOTAL BIRTHS	1448	1215	777	250	86	3776	100%

Table II

SANTA CRUZ COUNTY TEEN BIRTH CERTIFICATE SUMMARY
BY OCCURRENCE AND RESIDENCE
FOR PERIOD OF: January 1, 1999 through December 31, 1999

AGE OF MOTHER:	Watsonville Hospital	Dominican Hospital	Sutter Maternity	Out of County	Non- Hospital	TOTAL	%
14 & under	4	3	1	1	0	9	2.4%
15	12	7	0	0	0	19	5.2%
16 – 17	61	21	6	3	0	91	24.9%
18-19	133	66	32	16	0	247	67.5%
TOTAL BIRTHS TO TEENS	210	97	39	20	0	366	
ETHNICITY:							
Caucasian	20	31	25	9	0	85	23.2 %
Hispanic	190	59	13	10	0	272	74.3%
Black	0	1	0	1	0	2	0.5%
Asian	0	1	1	0	0	2	0.5%
Unknown/Other	0	5	0	0	0	5	1.5%
PRENATAL CARE:							
None	0	3	0	1	0	4	1 %
3 rd Trimester	8	2	0	0	0	10	3 %
Inadequate/Kessner Index	12	1	0	0	0	13	4 %
Unknown	0	6	0	0	0	6	
1 st Trimester	151	75	29	15	0	270	74%
MOTHER'S EDUCATION:							
None/Unknown	5	8	0	0	0	13	3.5%
1 - 8 years	49	9	1	3	0	62	17%
9 – 11 years	94	41	12	7	0	154	42.1%
12 & more years	62	39	26	10	0	137	37.4%
BIRTHWEIGHT OF BABY:							
Under 1500 gms	1	0	0	8	0	9	2.5%
1500 – 2499 gms	15	5	1	2	0	23	6.3%
2500 gms & over	194	92	38	10	0	334	91.2%

DELIVERY FUNDED BY MEDI-CAL	189	73	20	13	0	295	81%
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Table III

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

1999

CITY	TOTAL BIRTHS	TEEN BIRTHS	% OF TEEN BIRTHS
APTOS 95003, 95001	215	10	4.6 %
AROMAS 95004	14	1	7.1 %
BEN LOMOND 95005	68	2	2.9 %
BOULDER CREEK 95006	107	4	3.7 %
BROOKDALE 95007	7	2	28.5 %
CAPITOLA 95010	110	6	5.5%
DAVENPORT 95017	9	0	0
FELTON 95018	84	5	5.9 %
FREEDOM 95019	114	18	15.7 %
MOUNT HERMON 95041	5	0	0
SANTA CRUZ 95060-65	995	78	7.8 %
SCOTTS VALLEY 95066-67	168	3	1.7 %
SOQUEL 95073	98	4	4 %

WATSONVILLE 95076-77	1588	216	13.6%
OUT OF COUNTY ZIP CODES	194	17	8.7 %
TOTAL	3776	366	9.7%

TEENAGE BIRTHS IN SANTA CRUZ COUNTY

1999

	Age 14 & Under	Age 15	Age 16	Age 17	Age 18- 19	TOTAL
APTOS 95003-01	0	2	1	2	8	10
AROMAS 95004	0	0	0	0	1	1
BEN LOMOND 95005	0	0	0	0	2	2
BOULDER CREEK 95006	0	1	0	0	3	4
BROOKDALE 95007	0	0	0	1	1	2
CAPITOLA 95010	0	0	1	0	5	6
DAVENPORT 95017	0	0	2	1	4	7
FELTON 95018	0	0	0	0	5	5
FREEDOM 95019	0	3	3	1	11	18
MOUNT HERMON 95041	0	0	0	0	0	0
SANTA CRUZ 95060-65	3	3	6	14	52	78
SCOTTS VALLEY 95066-67	0	0	0	1	2	3
SOQUEL 95073	0	0	1	0	3	4
WATSONVILLE 95076	6	12	25	31	142	216
OUT OF COUNTY	0	0	0	2	8	10
TOTALS	9	19	38	53	247	366

TEENAGE BIRTHS IN SANTA CRUZ COUNTY

1995 – 1999 Percentage Change

	Age 14 & Under	Age 15	Age 16	Age 17	Age 18 – 19	Total
1995	18	44	67	95	251	475
1996	10	24	63	74	256	427
1997	8	40	49	78	225	400
1998	9	29	48	89	234	409
1999	9	19	38	53	247	366
% Change	-50%	-57%	-43%	-44%	-1.6%	-23%

**TEEN BIRTH TREND 95076 - Watsonville
1990 - 1999**

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%

TEEN BIRTH TRENDS
San Lorenzo Valley
Ben Lomond, Boulder Creek, Brookdale, Felton
1990 - 1999

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%

Santa Cruz County - 1999
Teens with Two or More Live Births

Age	Total Births	Total Teens with 2 nd Live Birth	Total Watsonville (95076) Teens with 2+Births
14	9	0	0
15	19	0	0
16	38	3	3
17	53	10	8
18-19	247	46	33
TOTAL	366	59 (16%)	39 (18% of Total Teen Births for 95076)

County wide, 16% of all births to teens age 19 and under are the second (or more) births. Nationally in 1998, 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 - 1999

Teens: Trimester PN Care Initiated
Adequacy of Care

AGE	1 ST TRIMESTER	3 RD TRIMESTER	NO PN CARE	INADEQUATE (Kessner Index)
14 – Under	5	1	1	1
15 – 17	72	6	1	9
18 – 19	193	3	2	3
TOTAL	270 (74%)	10 (3%)	4 (1%)	13 (4%)

**Santa Cruz County
PERINATAL INDICATORS
1996 - 1999 BIRTH CERTIFICATES**

Total Births	1996	1997	1998	1999	State of California 1998
	3845	3848	3798	3776	521,265
Teen Births	1996	1997	1998	1999	State of California 1998
Number	427	400	409	366	59,207
Percent of Total Births	11.2%	10.1%	10.8%	9.7%	11.4%
Rate/1000 population	45.8	41.5	41.1	40.5	53.2
Infant Mortality Rate	6.1	4.8	5.8	n.a.	5.7
Low Birthweight Under 5.5 pounds	4.4%	5.0%	5.3%	4.3%	5%
<u>Under 3.3 pounds</u>					
Dominican (#)	2	6	7	2	
Watsonville (#)	8	7	9	6	
Sutter (#)	0	0	0	0	
Out of County (#)	22	20	17	29	6013
Deliveries Funded By Medi-Cal					
Dominican	37%	38%	33%	32%	
Watsonville	70%	68%	68%	71%	
Sutter	9%	14%	14%	17%	
Total	46.5%	44.5%	42%	42%	

* 1996 - 1999 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
1996 - 1999**

Percentage of Births Receiving Prenatal Care in First Trimester	1996	1997	1998	1999	State of California 1998	Year 2000 Goal
Total Births:	81%	82%	83%	84%	81%	90%
Teens:	66%	71%	73%	74%		
Watsonville Hospital	74%	76%	77%	77%		
Dominican Hospital	86%	87%	87%	89%		
Sutter Maternity	81%	88%	87%	88%		
Medi-Cal Funded	72%	74%	73%	73%		
Private & Other Funded	88%	91%	91%	92%		
3 rd Trimester & no Prenatal Care	1996	1997	1998	1999	State of California 1998	
Total Births	3.7%	2.5%	3.0%	2.5%	3.6%	
Teens:	4.9%	5.8%	5.1%	3.8%		
Watsonville Hospital	5.5%	4.0%	4.4%	4.9%		
Dominican Hospital	1.9%	1.4%	2.1%	1.1%		
Sutter Maternity	4.5%	1.0%	1.0%	0.6%		
Medi-Cal Funded:	5.6%	3.2%	5.3%	5.2%		
Private & Other Funded	1.9%	0.9%	0.8%	0.6%		
Inadequate Prenatal Care by Kessner Index	1996	1997	1998	1999		
Total Births	4.1%	3.0%	3.0%	2.4%		
Teens	5.4%	5.0%	5.0%	3.6%		
Watsonville Hospital	6.2%	5.0%	4.6%	4.8%		
Dominican Hospital	1.8%	1.6%	1.9%	0.9%		
Sutter Maternity	4.5%	1.1%	1.0%	0.6%		
Medi-Cal Funded	6.1%	4.1%	5.3%	4.8%		
Private & Other Funded	2.2%	1.1%	0.8%	0.6%		

(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.)