

2009 Birth Statistical Master File



Table 1. Overall Birth Outcome Summary for 2009

Total Births in 2009	7,941
Teen Births in 2009 ■	
14- to 17- year olds	276
18- to 19- year olds	592
15- to 19- year olds	862
Population	
Total Population in 2009	529,403
Female Population (15- to 44-)	114,358
Teen Female Population (14- to 17- year old)	19,208
Teen Female Population (18- to 19- year old)	9,720
Teen Female Population (15- to 19- year old)	24,042
Rates per 1,000 population	
General Fertility Rate †	69.4
Crude Birth Rate ‡	15.0
Teen Female Population (14- to 17- year old)	14.4
Teen Female Population (18- to 19- year old)	60.9
Teen Female Population (15- to 19- year old)	35.9
Low Birth Weight (< 5 lbs 8 ounces or <2,500 g)	520 (6.5%)
Very Low Birth Weight (3 lbs 4 ounces or < 1,500 g)	91 (1.1%)
Preterm Birth (less than 37 completed gestation weeks)	917 (11.5%)
Adequate Prenatal Care ♦	6530 (76.4%)
Initiation of Prenatal care in the 1st trimester	6459 (75.6%)

Source: California Department of Public Health, 2009 Birth Statistical Master File

- Different programs define teen mom age groups differently. Therefore teen moms are broken into three different age categories: 14- to 17- year olds, 18- to 19- year olds, and 15- to 19- year olds
- † General Fertility Rate = birth rate of women of child bearing age (15- to 44-). It is the best overall indicator of reproductive behavior.
- ‡ Crude Birth Rate = ratio of number of births to the total population.
- ♦ Adequate Prenatal Care is calculated based on the Kessner index. Timing and quantity of prenatal care, along with length of gestation, determines the adequacy of prenatal care.

HP2020 Objective for LBW: no more than 7.8%
 HP2020 Objective for Preterm Births: no more than 11.4%
 HP2020 Objective for Prenatal care in 1st Trimester: 77.9%
 HP2010 Objective for Early and Adequate prenatal care: 77.6%

Data Disclaimer: These data have been collected, analyzed and interpreted by the Stanislaus County Health Services Agency Community Assessment Planning and Evaluation (CAPE) Unit. The data report is the property of the Agency and should not be reproduced, distributed, cited, or used outside of the original purpose of the data report without the permission of the author(s). While the Agency has done everything to ensure the accuracy, correctness, and timeliness of the data it is reporting, the Agency is not responsible for interpretations or distributions made by recipients beyond the intended and requested use. The CAPE unit is not responsible for changes, additions and/or interpretations of data done without the knowledge of the author(s) of the report. For further information, questions, or interpretations of results regarding these data, please contact the CAPE unit of the Agency. If the requestor distributes the data further, the source information and any other pertinent information about it must be cited.

2009 Stanislaus Birth Outcomes



Table 2a. Demographics

Demographics and Birth Outcomes	Frequency	Percent
Child's Gender		
Male	4043	50.9
Female	3897	49.1
Undetermined	≤ 10	≤ 0.1
Total	7941	100
Type of Birth		
Single	7697	96.9
Twin	233	2.9
Triplet	11	0.1
Total	7941	100
Mother's Age		
≤ 14	≤ 10	≤ 0.1
15- to 17-	270	3.4
18- to 19-	592	7.5
20- to 29-	4550	57.3
30- to 34-	1601	20.2
35- to 39-	737	9.3
40- to 49-	173	2.2
50+	≤ 15	≤ 0.2
Total	7941	100
Median Age: 26		
Age Range: 14- to 55-		
Ethnicity		
White	2864	36.1
Black	190	2.4
American Indian	24	0.3
Asian	442	5.6
Hispanic	4298	54.1
Unkown	123	1.5
Total	7941	100.0
Birth Weight		
Low Birth Weight (<2500g)	520	6.5
Normal Weight	7421	93.5
Total	7941	100
Gestation in Weeks		
Preterm (Less than 37 Completed Weeks)	917	11.5
Full Term	6739	84.9
Missing	285	3.6
Total	7941	100

Source: California Department of Public Health, 2009 Birth Statistical Master File

Table 2b.

Birth Outcomes	Frequency	Percent
Prenatal Care Initiation		
No prenatal care	49	0.6
1st Trimester	6139	77.3
2nd Trimester	1403	17.7
3rd Trimester	258	3.2
Missing	92	1.2
Total	7941	100
Adequate Prenatal Care		
Adequate	6042	76.1
Inadequate	1396	17.6
Missing	503	6.3
Total	7941	100
Principal Source of Payment for Prenatal Care		
Medi-Cal, without CPSP	4178	52.6
Medi-Cal, with CPSP	282	3.6
Other Government Programs	34	0.4
Private Insurance Company	3291	41.4
Self Pay	84	1.1
Unknown / Other / NA / None	134	1.7
Total	7941	100
Expected Principal Source of Payment for Delivery		
Medi-Cal	4497	56.6
Other Government Programs	33	0.4
Private Insurance Company	3289	41.4
Self Pay	95	1.2
CHAMPUS/TRICARE	≤ 10	≤ 0.1
Unknown / Other / NA	≤ 25	≤ 0.3
Total	7941	100
WIC Food Usage		
Yes	4170	52.5
No	3752	47.2
Unknown	19	0.2
Total	7941	100

APC - calculated based on the Kessner index. Timing and quantity of prenatal care, along with length of gestation, determines adequacy of prenatal care.

Source: California Department of Public Health, 2009 Birth Statistical Master File

Table 2c.

Demographics	Frequency	Percent
Body Mass Index/Weight		
Underweight	266	3.3
Normal Weight	3274	41.2
Over weight	2135	26.9
Obese	2102	26.5
Missing	164	2.1
Total	7941	100
Type of attendant		
Physician/MD	6949	87.5
Dr Osteopathy	113	1.4
Certified Nurse Midwife	792	10
RN / Physician's Assistant	67	0.8
Licensed Midwife / Other midwife	≤ 6	≤ 0.1
Other / Unknown or Unattended	14	0.2
Total	7941	100
Mother's Education		
8th Grade or Less	579	7.3
9th to 12th grade, No Diploma	1469	18.5
High School Graduate, GED Completed	2199	27.7
Some College Credit	2042	25.7
Associate Degree	457	5.8
Bachelor's Degree	773	9.7
Master's Degree	187	2.4
Doctorate Degree	73	0.9
Unknown	162	2
Total	7941	100
Delivery Method		
Vaginal	5284	66.5
<i>Vaginal Births after Previous C-section</i>	23	0.29
Cesarean	2657	33.5
<i>Cesarean, with trial of labor attempted</i>	295	3.7
Total	7941	100
Births by Gestation Weeks Completed		
33 weeks and less	239	3
34 weeks (late preterm)	119	1.5
35 weeks (late preterm)	202	2.5
36 weeks (late preterm)	357	4.5
37 weeks (early term)	677	8.5
38 weeks (early term)	1355	17.1
39 weeks	1899	23.9
40 weeks	1511	19
41 weeks	766	9.6
42 weeks	235	3
43 weeks and more	581	7.3
Total	7941	100

Source: California Department of Public Health, 2009 Birth Statistical Master File

Table 3a. Births (All Ages) by Zip Code

City	Zip Code	Frequency	Percent
Ceres	95307	716	9
Crows Landing	95313	20	0.3
Denair	95316	83	1
Empire	95319	46	0.6
Escalon	95320	≤ 10	≤ 0.1
Hickman	95323	25	0.3
Hughson	95326	112	1.4
Keyes	95328	74	0.9
La Grange	95329	12	0.2
Modesto	95350	751	9.5
Modesto - West	95351	886	11.2
Modesto	95353	≤ 10	≤ 0.1
Modesto - Airport Neighborhood	95354	426	5.4
Modesto	95355	748	9.4
Modesto	95356	384	4.8
Modesto	95357	158	2
Modesto	95358	577	7.3
Newman	95360	177	2.2
Oakdale	95361	392	4.9
Grayson / Patterson	95363	367	4.6
Riverbank	95367	362	4.6
Salida	95368	198	2.5
Turlock	95380	761	9.6
Turlock	95381	≤ 10	≤ 0.1
Turlock	95382	458	5.8
Vernalis	95385	≤ 10	≤ 0.1
Waterford	95386	145	1.8
Westley / Grayson	95387	16	0.2
Out of County (Merced, Farmington, Linden)		≤ 10	≤ 0.1
Missing		23	0.3
Total County Births		7941	100

Source: California Department of Public Health, 2009 Birth Statistical Master File

Table 3b. Births by FRC Region, 2009

Region	Frequency	Percent
Central	2234	28.1
East Central	426	5.4
Southeast Side	423	5.3
Northeast Side	758	9.5
North Side	583	7.3
West Modesto	886	11.2
West Side	584	7.4
South Central	790	9.9
South Side	1226	15.4
Missing	31	0.4
Total County Births	7941	100

Source: California Department of Public Health, 2009 Birth Statistical Master File

Table 3c Teen Births (14- to 19-) by Zip Code

City	Zip Code	Frequency	Percent
Ceres	95307	68	7.8
Crows Landing	95313	≤ 10	≤ 0.1
Denair	95316	≤ 10	≤ 0.1
Empire	95319	≤ 10	≤ 0.1
Hickman	95323	≤ 10	≤ 0.1
Hughson	95326	15	1.7
Keyes	95328	≤ 10	≤ 0.1
Modesto	95350	79	9.1
Modesto - West	95351	169	19.5
Modesto	95353	≤ 10	≤ 0.1
Modesto - Airport Neighborhood	95354	64	7.4
Modesto	95355	63	7.3
Modesto	95356	27	3.1
Modesto	95357	22	2.5
Modesto	95358	75	8.6
Newman	95360	19	2.2
Oakdale	95361	30	3.5
Grayson / Patterson	95363	30	3.5
Riverbank	95367	32	3.7
Salida	95368	11	1.3
Turlock	95380	97	11.2
Turlock	95382	24	2.8
Vernalis	95385	≤ 10	≤ 0.1
Waterford	95386	16	1.8
Westley / Grayson	95387	≤ 10	≤ 0.1
Missing		3	0.3
Total Teen Births		868	100

Source: California Department of Public Health, 2009 Birth Statistical Master File

County Area (Communities)	Zip Code	Region
Central (Modesto)	95350	1
	95352	
	95355	
	95357	
	95358	
East Central (Airport Neighborhood, part of Modesto)	95354	2
Southeast Side (Denair, Empire, Hughson, Hickman, La Grange, Waterford)	95316	3
	95318	
	95319	
	95323	
	95326	
	95386	
Northeast Side (Knights Ferry, Oakdale, Riverbank, Valley Home)	95361	4
	95230	
	95367	
North Side (Del Rio, Salida)	95320	5
	95356	
	95368	
South Central (Ceres, Keyes)	95307	8
	95328	
South Side (Turlock)	95380	9
	95381	
	95382	
West Modesto (West Modesto / King Kennedy Neighborhood)	95351	6
West Side (Crows Landing, Grayson, Newman, Patterson, Westley)	95360	7
	95363	
	95322	
	95385	
	95387	
	94550	
95313		

Table 4a. Teen birth distribution amongst each county zip code



City	Zip Code	Total Births (All Ages)	Teen Births					
			14- to 19-		15- to 17-		18- to 19-	
			#	%	#	%	#	%
Ceres	95307	716	68	9.5	23	3.2	44	6.1
Crows Landing	95313	20	*	*	*	*	*	*
Denair	95316	83	*	*	*	*	*	*
Empire	95319	46	*	*	*	*	*	*
Escalon	95320	≤ 10	0	0	0	0	0	0
Hickman	95323	25	*	*	0	0.0	*	*
Hughson	95326	112	15	13.4	*	*	11	9.8
Keyes	95328	74	*	*	*	*	*	*
La Grange	95329	12	0	0.0	0	0.0	0	0.0
Modesto	95350	751	79	10.5	25	3.3	54	7.2
Modesto - West	95351	886	169	19.1	62	7.0	104	11.7
Modesto	95353	≤ 10	*	*	*	*	*	*
Modesto - Airport Neighborhood	95354	426	64	15.0	16	3.8	48	11.3
Modesto	95355	748	63	8.4	19	2.5	44	5.9
Modesto	95356	384	27	7.0	*	*	20	5.2
Modesto	95357	158	22	13.9	*	*	16	10.1
Modesto	95358	577	75	13.0	24	4.2	50	8.7
Newman	95360	177	19	10.7	*	*	13	7.3
Oakdale	95361	392	30	7.7	*	*	23	5.9
Grayson / Patterson	95363	367	30	8.2	*	*	23	6.3
Riverbank	95367	362	32	8.8	16	4.4	16	4.4
Salida	95368	198	11	5.6	*	*	*	*
Turlock	95380	761	97	12.7	23	3.0	73	9.6
Turlock	95381	≤ 10	0	0.0	0	0.0	0	0.0
Turlock	95382	458	24	5.2	*	*	18	3.9
Vernalis	95385	≤ 10	*	*	0	0.0	*	*
Waterford	95386	145	16	11.0	5	3.4	11	7.6
Westley / Grayson	95387	16	*	*	*	*	0	0.0
Out of county		≤ 10	0	0.0	0.0	0.0	0	0.0
Missing		23	3	13.0	2	8.7	1	4.3
Total County Births		7941	868	10.9	270	3.4	592	7.5

Source: California Department of Public Health, 2009 Birth Statistical Master File

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Table 4b. Zip code distribution of low birth weight, preterm birth, adequate prenatal care and WIC usage

City	Zip Code	Total Births	LBW		Preterm Birth		APC		WIC	
			#	%	#	%	#	%	#	%
Ceres	95307	716	43	6.0	85	11.9	536	74.9	411	57.4
Crows Landing	95313	20	*	*	*	*	15	75.0	16	80.0
Denair	95316	83	*	*	*	*	70	84.3	33	39.8
Empire	95319	46	*	*	*	*	30	65.2	36	78.3
Escalon	95320	≤ 10	0	0.0	0	0.0	*	*	*	*
Hickman	95323	25	*	*	*	*	21	84.0	16	64.0
Hughson	95326	112	*	*	16	14.3	91	81.3	48	42.9
Keyes	95328	74	*	*	*	*	54	73.0	49	66.2
La Grange	95329	12	*	*	*	*	12	100.0	*	*
Modesto	95350	751	49	6.5	98	13.0	563	75.0	419	55.8
Modesto - West	95351	886	75	8.5	128	14.4	593	66.9	675	76.2
Modesto	95353	≤ 10	0	0.0	*	*	*	*	*	*
Modesto - Airport Neighborhood	95354	426	31	7.3	42	9.9	313	73.5	261	61.3
Modesto	95355	748	45	6.0	71	9.5	590	78.9	260	34.8
Modesto	95356	384	33	8.6	59	15.4	310	80.7	131	34.1
Modesto	95357	158	*	*	20	12.7	120	75.9	80	50.6
Modesto	95358	577	41	7.1	65	11.3	398	69.0	394	68.3
Newman	95360	177	*	*	17	9.6	147	83.1	98	55.4
Oakdale	95361	392	19	4.8	40	10.2	326	83.2	150	38.3
Grayson / Patternson	95363	367	31	8.4	50	13.6	260	70.8	201	54.8
Riverbank	95367	362	29	8.0	44	12.2	283	78.2	165	45.6
Salida	95368	198	*	*	29	14.6	148	74.7	90	45.5
Turlock	95380	761	39	5.1	71	9.3	625	82.1	405	53.2
Turlock	95381	≤ 10	0	0.0	0	0.0	*	*	*	*
Turlock	95382	458	26	5.7	38	8.3	385	84.1	122	26.6
Vernalis	95385	≤ 10	0	0.0	0	0.0	*	*	*	*
Waterford	95386	145	8	5.5	16	11.0	111	76.6	73	50.3
Westley / Grayson	95387	16	0	0.0	*	*	11	68.8	15	93.8
Out of county		≤ 10	0	0.0	*	*	*	*	*	*
Missing		23	0	0.0	0	0.0	0	0.0	0	0.0
Total County Births		7941	519	6.5	916	11.5	6032	76.0	4162	52.4

Source: California Department of Public Health, 2009 Birth Statistical Master File

Table 5a. Crude Birth Rate and General Fertility Rate by FRC Region

Region	Frequency	Crude Birth Rate ‡	General Fertility Rate †
Central	2234	15.5	64.8
East Central	426	15.7	64.0
Southeast Side	423	18.5	77.9
Northeast Side	758	18.0	75.1
North Side	583	18.1	46.9
West Modesto	886	18.6	74.6
West Side	584	16.9	70.0
South Central	790	22.6	89.8
South Side	1226	21.5	75.4
Missing	31		
Total	7941		

† **General Fertility Rate** is the birth rate of women of child bearing age (15- to 44-). Numerator = total number of births in a given year; Denominator = number of women aged 15- to 44- in Stanislaus in '09. GFR is the best overall indicator of reproductive behavior and success.

Source: California Department of Public Health, 2009 Birth Statistical Master File

Table 5b. Teen (15- to 19-) Birth Rate by FRC Region

Region	Frequency	Teen Birth Rate
Central	238	33.0
East Central	64	53.2
Southeast Side	41	33.1
Northeast Side	62	29.6
North Side	38	15.5
West Modesto	166	59.5
West Side	55	29.5
South Central	74	39.2
South Side	120	36.4
Missing	4	
Total	862	

‡ **Crude birth rate** = ratio of number of births to the total population. A better indicator of tax burden and other economic statistics than GFR.

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Source: California Department of Public Health, 2009 Birth Statistical Master File

Table 5c. Percentage of low birth weight and preterm birth by FRC Region

Region	Total Births	LBW	%	Preterm	%
Central	2234	144	6.4	254	11.4
East Central	426	31	7.3	42	9.9
Southeast Side	423	26	6.1	47	11.1
Northeast Side	758	48	6.3	85	11.2
North Side	583	42	7.2	88	15.1
West Modesto	886	75	8.5	128	14.4
West Side	584	41	7.0	70	12.0
South Central	790	47	5.9	92	11.6
South Side	1226	65	5.3	109	8.9
Missing	31	0	0.0	0	0.0
Total	7941	519	6.5	915	11.5

Source: California Department of Public Health, 2009 Birth Statistical Master File

Table 5d. Percent of Adequate Prenatal Care and WIC usage by FRC region

Region	Total Births	Adequate	%	WIC	%
Central	2234	1671	74.8	1153	51.6
East Central	426	313	73.5	261	61.3
Southeast Side	423	335	79.2	210	49.6
Northeast Side	758	613	80.9	316	41.7
North Side	583	459	78.7	222	38.1
West Modesto	886	593	66.9	675	76.2
West Side	584	436	74.7	332	56.8
South Central	790	590	74.7	460	58.2
South Side	1226	1017	83.0	530	43.2
Missing	31	0	0.0	0	0.0
Total	7941	6027	75.9	4159	52.4



Source: California Department of Public Health, 2009 Birth Statistical Master File