

CALIFORNIA DIABETES AND PREGNANCY PROGRAM - CALENDAR YEAR 2009

DATA REPORT for deliveries between January 1, 2009 and by December 31, 2009

Maternal Characteristics by Maternal Type of Diabetes and Intervention at Last Sweet Success Visit (number and percent)¹

Generated 01/24/2011 12:29:32			Type 1						Type 2									
	Grand Total		Total		Insulin Conventional		Insulin Pump		Total		Insulin Only		Insulin & Oral		Oral Meds		Diet	
State of California	num #	%	num #	%	num #	%	num #	%	num #	%	num #	%	num #	%	num #	%	num #	%
Sweet Success Clients	14098	100.0%	248	100.0%	225	90.7%	23	9.3%	1076	100.0%	796	74.0%	91	8.5%	72	6.7%	117	10.9%
Live Births	12280	87.1%	217	87.5%	197	87.6%	20	87.0%	882	82.0%	664	83.4%	83	91.2%	53	73.6%	82	70.1%
Fetal Deaths	83	0.6%							26	2.4%	22	2.8%						
Spont. Abortions	97	0.7%							55	5.1%	33	4.1%			7	9.7%	12	10.3%
Other ²	36	0.3%							5	0.5%								
Unknown Outcomes	1602	11.4%	23	9.3%	22	9.8%			108	10.0%	74	9.3%	5	5.5%	7	9.7%	22	18.8%
Maternal Characteristics ³																		
Race/Ethnicity																		
White	2188	15.6%	84	34.4%	65	29.4%	19	82.6%	96	9.4%	75	9.8%	9	10.2%	6	9.2%	6	5.7%
Hispanic	6703	47.9%	90	36.9%	89	40.3%			600	58.8%	451	59.1%	46	52.3%	37	56.9%	66	62.9%
Black	1553	11.1%	25	10.2%	25	11.3%			152	14.9%	119	15.6%	12	13.6%	9	13.8%	12	11.4%
Asian/Pacific Islander	2251	16.1%	15	6.1%	14	6.3%			99	9.7%	65	8.5%	18	20.5%	8	12.3%	8	7.6%
Native American	45	0.3%																
Multiple Race	44	0.3%																
Other/Unknown	1217	8.7%	27	11.1%	26	11.8%			67	6.6%	48	6.3%			5	7.7%	12	11.4%
Education																		
0 - 3rd grade	1355	9.7%	5	2.0%	5	2.3%			112	11.0%	76	10.0%	11	12.5%	10	15.4%	15	14.3%
4th - 8th																		
9th - 12th	4714	33.7%	79	32.4%	77	34.8%			408	40.0%	301	39.4%	33	37.5%	23	35.4%	51	48.6%
any post H.S.	4525	32.3%	93	38.1%	76	34.4%	17	73.9%	227	22.2%	175	22.9%	20	22.7%	16	24.6%	16	15.2%
Unknown	3407	24.3%	67	27.5%	63	28.5%			274	26.8%	211	27.7%	24	27.3%	16	24.6%	23	21.9%
Payment Source																		
Private Ins.																		
HMO	2299	16.4%	48	19.7%	40	18.1%	8	34.8%	130	12.7%	104	13.6%	7	8.0%	11	16.9%	8	7.6%
PPO	2591	18.5%	48	19.7%	39	17.6%	9	39.1%	119	11.7%	85	11.1%	15	17.0%	5	7.7%	14	13.3%
MediCal	7090	50.6%	104	42.6%	101	45.7%			656	64.3%	500	65.5%	51	58.0%	38	58.5%	67	63.8%
Self Pay	142	1.0%							11	1.1%	10	1.3%						
Multiple	71	0.5%							8	0.8%	7	0.9%						
None/Other	1808	12.9%	37	15.2%	35	15.8%			97	9.5%	57	7.5%	15	17.0%	11	16.9%	14	13.3%

1. Cell values less than 5 are suppressed.

2. "Other" includes induced terminations.

3. Tables by specific maternal characteristics (e.g. race/ethnicity, education, payment source) exclude mothers with spontaneous abortions.

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State of California	Grand Total		Total		Insulin Conventional		Insulin Pump		Total		Insulin Only		Insulin & Oral		Oral Meds		Diet	
	num #	%	num #	%	num #	%	num #	%	num #	%	num #	%	num #	%	num #	%	num #	%

Maternal Characteristics³

Maternal Age																				
< 18 years	67	0.5%	7	2.9%	7	3.2%														
18 - 24 years	1537	11.0%	65	26.6%	59	26.7%	6	26.1%	113	11.1%	83	10.9%	7	8.0%	8	12.3%	15	14.3%		
25 - 34 years	6834	48.8%	111	45.5%	100	45.2%	11	47.8%	517	50.6%	389	51.0%	49	55.7%	32	49.2%	47	44.8%		
35 - 39 years	3260	23.3%	35	14.3%	31	14.0%			240	23.5%	185	24.2%	17	19.3%	14	21.5%	24	22.9%		
40 - 45 years	990	7.1%	12	4.9%	10	4.5%			80	7.8%	54	7.1%	9	10.2%	7	10.8%	10	9.5%		
> 45 years	50	0.4%																		
Unknown	1263	9.0%	14	5.7%	14	6.3%			65	6.4%	47	6.2%	6	6.8%					8	7.6%
Gravida																				
1	2781	19.9%	78	32.0%	68	30.8%	10	43.5%	173	16.9%	133	17.4%	11	12.5%	10	15.4%	19	18.1%		
2 to 4	7996	57.1%	128	52.5%	116	52.5%	12	52.2%	562	55.0%	412	54.0%	50	56.8%	39	60.0%	61	58.1%		
> 4	2253	16.1%	28	11.5%	27	12.2%			241	23.6%	192	25.2%	20	22.7%	8	12.3%	21	20.0%		
Unknown	971	6.9%	10	4.1%	10	4.5%			45	4.4%	26	3.4%	7	8.0%	8	12.3%				
Para																				
1	3609	25.8%	109	44.7%	98	44.3%	11	47.8%	224	21.9%	175	22.9%	14	15.9%	13	20.0%	22	21.0%		
2 to 4	7478	53.4%	98	40.2%	89	40.3%	9	39.1%	583	57.1%	428	56.1%	62	70.5%	35	53.8%	58	55.2%		
> 4	964	6.9%	7	2.9%	7	3.2%			104	10.2%	86	11.3%	5	5.7%			11	10.5%		
Unknown	1950	13.9%	30	12.3%	27	12.2%			110	10.8%	74	9.7%	7	8.0%	15	23.1%	14	13.3%		
Method of Delivery																				
Vaginal (including VBAC)	6392	45.7%	74	30.3%	66	29.9%	8	34.8%	312	30.6%	207	27.1%	34	38.6%	28	43.1%	43	41.0%		
Cesarean - Primary	3139	22.4%	88	36.1%	79	35.7%	9	39.1%	287	28.1%	228	29.9%	26	29.5%	17	26.2%	16	15.2%		
Cesarean - Secondary	2193	15.7%	47	19.3%	45	20.4%			263	25.8%	216	28.3%	21	23.9%	9	13.8%	17	16.2%		
Unknown	2277	16.3%	35	14.3%	31	14.0%			159	15.6%	112	14.7%	7	8.0%	11	16.9%	29	27.6%		
Preconception Care⁴																				
Yes	197	1.4%	52	21.3%	41	18.6%	11	47.8%	145	14.2%	101	13.2%	22	25.0%	9	13.8%	13	12.4%		
No	372	2.7%	81	33.2%	75	33.9%	6	26.1%	291	28.5%	206	27.0%	35	39.8%	24	36.9%	26	24.8%		
Not Applicable	12736	91.0%																		
Unknown	696	5.0%	111	45.5%	105	47.5%	6	26.1%	585	57.3%	456	59.8%	31	35.2%	32	49.2%	66	62.9%		
Hemoglobin A1c⁵																				
Pre-pregnancy known	156		43		30		13		110		77		21						8	
Pre-pregnancy > 7.0	86	55.1%	28	65.1%	21	70.0%	7	53.8%	57	51.8%	46	59.7%	9	42.9%						
Prenatal known	3965		139		120		19		597		455		61		35				46	
Prenatal > 7.0	469	11.8%	84	60.4%	76	63.3%	8	42.1%	273	45.7%	225	49.5%	29	47.5%	6	17.1%			13	28.3%

1. Cell values less than 5 are suppressed.

3. Tables by specific maternal characteristics (e.g. race/ethnicity, education, payment source) exclude mothers with spontaneous abortions.

4. Preconception care was reported only among women with pre-existing diabetes (Type 1 or 2). All other categories are reported as Not Applicable. Totals exclude spontaneous abortions.

5. Excludes clients with a spontaneous abortion and those whose HbA1c test results were not reported.

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State of California	Grand Total		Total		Insulin Conventional		Insulin Pump		Total		Insulin Only		Insulin & Oral		Oral Meds		Diet	
	num #	%	num #	%	num #	%	num #	%	num #	%	num #	%	num #	%	num #	%	num #	%

Maternal Characteristics ³

Weeks Gestation at Entry Into Sweet Success Care																			
< 14 weeks	1724	12.3%	133	54.5%	115	52.0%	18	78.3%	570	55.8%	446	58.5%	49	55.7%	38	58.5%	37	35.2%	
14 to 27 weeks	3212	22.9%	70	28.7%	66	29.9%			317	31.0%	236	30.9%	27	30.7%	18	27.7%	36	34.3%	
28 to 32 weeks	5710	40.8%	24	9.8%	23	10.4%			76	7.4%	48	6.3%	7	8.0%	6	9.2%	15	14.3%	
33 to 37 weeks	2724	19.5%	11	4.5%	11	5.0%			41	4.0%	24	3.1%					13	12.4%	
> 38 weeks	288	2.1%							9	0.9%									
Unknown	343	2.4%							8	0.8%	6	0.8%							
Post-partum Testing Done	5680	100.0%	102	1.8%	93	91.2%	9	8.8%	405	7.1%	299	73.8%	37	9.1%	26	6.4%	43	10.6%	
SS Interventions (total)																			
1 to 4	4390	31.4%	67	27.5%	61	27.6%	6	26.1%	208	20.4%	142	18.6%	5	5.7%	9	13.8%	52	49.5%	
5 to 10	5146	36.8%	53	21.7%	53	24.0%			234	22.9%	179	23.5%	15	17.0%	19	29.2%	21	20.0%	
11 to 15	1653	11.8%	36	14.8%	34	15.4%			183	17.9%	146	19.1%	11	12.5%	14	21.5%	12	11.4%	
> 15	1735	12.4%	76	31.1%	66	29.9%	10	43.5%	344	33.7%	264	34.6%	48	54.5%	18	27.7%	14	13.3%	
Unknown	1077	7.7%	12	4.9%	7	3.2%	5	21.7%	52	5.1%	32	4.2%	9	10.2%	5	7.7%	6	5.7%	
Average Number of Visits	7.9		13.3		12.8		18.4		13.4		13.5		19.4		12.3		7.8		
Treatment Change (from first to last SS visit) ⁶																			
Insulin Added	2389	58.3%							265	85.5%	226	100.0%	39	60.0%					
Oral Medication Added	1710	41.7%							45	14.5%			26	40.0%	19	100.0%			
BMI less than 19.8	544	3.9%	12	4.9%	12	5.4%			11	1.1%	10	1.3%							
Total Gain < 28 lbs ⁷	299	55.0%							6	54.5%	5	50.0%							
Total Gain 28 - 40 lbs	178	32.7%																	
Total Gain > 40 lbs	67	12.3%																	
BMI 19.8 to 24.9	3398	24.3%	91	37.3%	78	35.3%	13	56.5%	87	8.5%	68	8.9%					13	12.4%	
Total Gain < 25 lbs	1776	52.3%	55	60.4%	47	60.3%	8	61.5%	51	58.6%	39	57.4%					8	61.5%	
Total Gain 25 - 35 lbs	1094	32.2%	20	22.0%	18	23.1%			19	21.8%	16	23.5%							
Total Gain > 35 lbs	528	15.5%	16	17.6%	13	16.7%			17	19.5%	13	19.1%							
BMI 25.0 to 29.0	3266	23.3%	55	22.5%	50	22.6%	5	21.7%	162	15.9%	123	16.1%	8	9.1%	10	15.4%	21	20.0%	
Total Gain < 15 lbs	1069	32.7%	20	36.4%	19	38.0%			58	35.8%	39	31.7%			5	50.0%	13	61.9%	
Total Gain 15 - 25 lbs	1092	33.4%	12	21.8%	10	20.0%			57	35.2%	45	36.6%	5	62.5%					
Total Gain > 25 lbs	1105	33.8%	23	41.8%	21	42.0%			47	29.0%	39	31.7%							
BMI > 29.0	6568	46.9%	86	35.2%	81	36.7%	5	21.7%	757	74.1%	559	73.3%	78	88.6%	49	75.4%	71	67.6%	
Total Gain < 15 lbs	3215	48.9%	30	34.9%	29	35.8%			356	47.0%	246	44.0%	31	39.7%	30	61.2%	49	69.0%	
Total Gain 15 - 25 lbs	1798	27.4%	19	22.1%	17	21.0%			172	22.7%	133	23.8%	15	19.2%	12	24.5%	12	16.9%	
Total Gain > 25 lbs	1555	23.7%	37	43.0%	35	43.2%			229	30.3%	180	32.2%	32	41.0%	7	14.3%	10	14.1%	
BMI or Wt. Gain Unknown	225	1.6%																	

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3. Tables by specific maternal characteristics (e.g. race/ethnicity, education, payment source) exclude mothers with spontaneous abortions.

6. Treatment change is reported for those clients remaining in the same general diagnostic grouping whose intervention at the last visit changed to include oral medications or insulin.

7. Total gain is based on the difference in weight measured at last SS visit and the pre-pregnancy weight reported.

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	num #	%	num #	%	num #	%	num #	%	num #	%	num #	%	num #	%	num #	%	num #	%
Type of Pregnancy⁸																		
Singletons	12209	85.7%	218	86.9%	200	87.7%	18	78.3%	904	87.2%	676	87.3%	84	95.5%	59	90.8%	85	77.3%
Multiples	549	3.9%	10	4.0%	8	3.5%			25	2.4%	23	3.0%						
- Twins	490	3.4%	10	4.0%	8	3.5%			23	2.2%	21	2.7%						
- Triplets or more	6	0.0%																
- Unknown multiples	53	0.4%																
Unknown	1493	10.5%	23	9.2%	20	8.8%			108	10.4%	75	9.7%			6	9.2%	23	20.9%
Gender⁹																		
Male	5873	48.1%	93	42.7%	82	41.0%	11	61.1%	429	47.5%	315	46.6%	48	57.1%	25	42.4%	41	48.2%
Female	5329	43.6%	105	48.2%	99	49.5%	6	33.3%	394	43.6%	300	44.4%	32	38.1%	26	44.1%	36	42.4%
Unknown	1007	8.2%	20	9.2%	19	9.5%			81	9.0%	61	9.0%			8	13.6%	8	9.4%
Congenital Anomalies																		
Known at Discharge	97	100.0%	7	7.2%	6	85.7%			19	19.6%	16	84.2%						
Method of Feeding at Discharge from Hospital																		
Breast Milk Only	4874	39.9%	78	35.8%	68	34.0%	10	55.6%	271	30.0%	194	28.7%	23	27.4%	22	37.3%	32	37.6%
Formula Only	1349	11.0%	29	13.3%	29	14.5%			148	16.4%	114	16.9%	9	10.7%	6	10.2%	19	22.4%
Breast milk & formula	2842	23.3%	44	20.2%	40	20.0%			225	24.9%	169	25.0%	32	38.1%	14	23.7%	10	11.8%
Unknown	3144	25.8%	67	30.7%	63	31.5%			260	28.8%	199	29.4%	20	23.8%	17	28.8%	24	28.2%
Singletons																		
Birthweight																		
< 1,500 grams	92	0.8%	8	3.7%	8	4.0%			21	2.3%	17	2.5%						
1,500 to 2,499 grams	622	5.1%	15	6.9%	15	7.5%			57	6.3%	39	5.8%	8	9.5%			6	7.1%
2,500 to 3,999 grams	9241	75.7%	144	66.1%	132	66.0%	12	66.7%	586	64.8%	437	64.6%	61	72.6%	38	64.4%	50	58.8%
4,000 to 4,499 grams	853	7.0%	21	9.6%	17	8.5%			101	11.2%	78	11.5%	6	7.1%	5	8.5%	12	14.1%
> 4,500 grams	278	2.3%	10	4.6%	8	4.0%			54	6.0%	40	5.9%	5	6.0%			5	5.9%
Unknown	1123	9.2%	20	9.2%	20	10.0%			85	9.4%	65	9.6%			7	11.9%	10	11.8%
Completed Weeks Gestation at Delivery¹⁰																		
20 to 24 weeks	13	0.1%																
24 to 28 weeks	35	0.3%							9	1.0%	8	1.2%						
29 to 32 weeks	82	0.7%	10	4.6%	10	5.0%			15	1.7%	11	1.6%						
33 to 36 weeks	846	6.9%	30	13.8%	28	14.0%			108	11.9%	77	11.4%	14	16.7%	5	8.5%	12	14.1%
37 to 41 weeks	10273	84.1%	159	72.9%	143	71.5%	16	88.9%	707	78.2%	536	79.3%	63	75.0%	50	84.7%	58	68.2%
> 41 weeks	248	2.0%							18	2.0%	14	2.1%						
Unknown	712	5.8%	11	5.0%	11	5.5%			45	5.0%	28	4.1%	5	6.0%			9	10.6%

1. Cell values less than 5 are suppressed.

8. Tables by type of pregnancy and infant characteristics exclude spontaneous abortions

9. Tables by specific infant characteristics (e.g. gender, congenital anomalies, method of feeding, birthweight, completed weeks gestation, birthweight for gestational age, and not discharged with mother) are for singleton infants not spontaneously aborted.

10. Completed weeks gestation at delivery calculated using estimated date of delivery and actual date of delivery (Birth Date).

If either value is missing, case is reported as unknown.

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	num #	%	num #	%	num #	%	num #	%	num #	%	num #	%	num #	%	num #	%	num #	%

Birthweight (Size) for Gestational Age ^{9,11}																		
Small (<10th %tile)	1238	10.1%	18	8.3%	18	9.0%			93	10.3%	66	9.8%	9	10.7%	6	10.2%	12	14.1%
Average (11-89th %tile)	8491	69.5%	137	62.8%	127	63.5%	10	55.6%	539	59.6%	407	60.2%	53	63.1%	36	61.0%	43	50.6%
Large (>90 %tile)	1144	9.4%	40	18.3%	32	16.0%	8	44.4%	173	19.1%	131	19.4%	14	16.7%	10	16.9%	18	21.2%
Unknown	1336	10.9%	23	10.6%	23	11.5%			99	11.0%	72	10.7%	8	9.5%	7	11.9%	12	14.1%
Not Discharged with Mother																		
Total	1116	100.0%	64	5.7%	62	96.9%			170	15.2%	137	80.6%	20	11.8%			10	5.9%
Length of Stay < 7 days	370	33.2%	14	21.9%	13	21.0%			42	24.7%	32	23.4%	8	40.0%				
Length of Stay > 7 days	273	24.5%	25	39.1%	25	40.3%			35	20.6%	31	22.6%						
Unknown	473	42.4%	25	39.1%	24	38.7%			93	54.7%	74	54.0%	12	60.0%			5	50.0%

1. Cell values less than 5 are suppressed.

9. Tables by specific infant characteristics (e.g. gender, congenital anomalies, method of feeding, birthweight, completed weeks gestation, birthweight for gestational age, and not discharged with mother) are for singleton infants not spontaneously aborted.

11. Birthweight (size) for gestational age is calculated using infant birthweight and gestational age as calculated by difference of estimated date of delivery (EDD) and actual Delivery Date (DD) when compared to standard U.S. growth charts. If birthweight, EDD, or DD is missing, case is reported as unknown.