

# CALIFORNIA DIABETES AND PREGNANCY PROGRAM - CALENDAR YEAR 2010

## DATA REPORT for deliveries between January 1, 2010 and by December 31, 2010

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

Generated 10/10/2011 09:03:21			Type 1						Type 2									
State of California	Grand Total		Total		Insulin Conventional		Insulin Pump		Total		Insulin Only		Insulin & Oral		Oral Meds		Diet & Exercise	
	num #	%	num #	%	num #	%	num #	%	num #	%	num #	%	num #	%	num #	%	num #	%
<b>Sweet Success Clients</b>	16642	100.0%	247	100.0%	163	66.0%	84	34.0%	1487	100.0%	1036	69.7%	121	8.1%	211	14.2%	119	8.0%
Live Births	13543	81.4%	191	77.3%	123	75.5%	68	81.0%	1092	73.4%	775	74.8%	98	81.0%	152	72.0%	67	56.3%
Fetal Deaths	104	0.6%							33	2.2%	24	2.3%						
Spont. Abortions	168	1.0%	12	4.9%	8	4.9%			94	6.3%	65	6.3%	6	5.0%	13	6.2%	10	8.4%
Other <sup>2</sup>	21	0.1%							7	0.5%								
Unknown Outcomes	2806	16.9%	40	16.2%	29	17.8%	11	13.1%	261	17.6%	168	16.2%	14	11.6%	43	20.4%	36	30.3%
<b>Maternal Characteristics <sup>3</sup></b>																		
<b>Race/Ethnicity</b>																		
White	2921	17.7%	104	44.3%	45	29.0%	59	73.8%	150	10.8%	106	10.9%	13	11.3%	24	12.1%	7	6.4%
Hispanic	8901	54.0%	75	31.9%	63	40.6%	12	15.0%	967	69.4%	682	70.2%	72	62.6%	133	67.2%	80	73.4%
Black	359	2.2%	22	9.4%	19	12.3%			57	4.1%	37	3.8%	5	4.3%	6	3.0%	9	8.3%
Asian	3117	18.9%	14	6.0%	12	7.7%			141	10.1%	101	10.4%	15	13.0%	19	9.6%	6	5.5%
Multiple Race	126	0.8%	7	3.0%	7	4.5%			12	0.9%								
Unknown	1050	6.4%	13	5.5%	9	5.8%			66	4.7%	41	4.2%	6	5.2%	13	6.6%	6	5.5%
<b>Maternal Age</b>																		
< 18 years	53	0.3%																
18 - 24 years	1483	9.0%	48	20.4%	37	23.9%	11	13.8%	97	7.0%	65	6.7%	9	7.8%	11	5.6%	12	11.0%
25 - 34 years	7131	43.3%	105	44.7%	66	42.6%	39	48.8%	565	40.6%	405	41.7%	46	40.0%	86	43.4%	28	25.7%
35 - 39 years	3349	20.3%	18	7.7%	7	4.5%	11	13.8%	290	20.8%	200	20.6%	32	27.8%	37	18.7%	21	19.3%
40 - 45 years	1034	6.3%							106	7.6%	74	7.6%	10	8.7%	15	7.6%	7	6.4%
> 45 years	48	0.3%							5	0.4%								
Unknown	3376	20.5%	57	24.3%	39	25.2%	18	22.5%	326	23.4%	221	22.8%	18	15.7%	46	23.2%	41	37.6%
<b>Method of Delivery</b>																		
Vaginal (including VBAC)	7379	44.8%	51	21.7%	25	16.1%	26	32.5%	388	27.9%	272	28.0%	23	20.0%	66	33.3%	27	24.8%
Cesarean - Primary	2979	18.1%	87	37.0%	60	38.7%	27	33.8%	315	22.6%	209	21.5%	44	38.3%	44	22.2%	18	16.5%
Cesarean - Secondary	2946	17.9%	48	20.4%	32	20.6%	16	20.0%	380	27.3%	287	29.6%	29	25.2%	41	20.7%	23	21.1%
Unknown	3170	19.2%	49	20.9%	38	24.5%	11	13.8%	310	22.3%	203	20.9%	19	16.5%	47	23.7%	41	37.6%
<b>Preconception Care <sup>4</sup></b>																		
Yes	187	1.1%	45	19.1%	24	15.5%	21	26.3%	142	10.2%	94	9.7%	20	17.4%	19	9.6%	9	8.3%
No/Unknown	1441	8.7%	190	80.9%	131	84.5%	59	73.8%	1251	89.8%	877	90.3%	95	82.6%	179	90.4%	100	91.7%
Not Applicable	14846	90.1%																
<b>Hemoglobin A1c <sup>5</sup></b>																		
Pre-pregnancy known	392		45		24		21		141		94		20		18		9	
Pre-pregnancy > 7.0	112	28.6%	28	62.2%	18	75.0%	10	47.6%	67	47.5%	48	51.1%	8	40.0%	6	33.3%	5	55.6%
Prenatal known	3810		127		77		50		749		532		70		97		50	
Prenatal > 7.0	533	14.0%	67	52.8%	43	55.8%	24	48.0%	356	47.5%	280	52.6%	36	51.4%	25	25.8%	15	30.0%

1. Cell values less than 5 are suppressed.
2. "Other" includes induced terminations.
3. Tables by specific maternal characteristics (e.g. race/ethnicity,age) 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 & Exercise	
	num #	%	num #	%	num #	%	num #	%	num #	%	num #	%	num #	%	num #	%	num #	%

Maternal Characteristics <sup>3</sup>

<b>Weeks Gestation at Entry Into Sweet Success Care</b>																			
< 14 weeks	2303	14.0%	137	58.3%	77	49.7%	60	75.0%	760	54.6%	555	57.2%	74	64.3%	90	45.5%	41	37.6%	
14 to 27 weeks	4192	25.4%	77	32.8%	59	38.1%	18	22.5%	464	33.3%	303	31.2%	33	28.7%	82	41.4%	46	42.2%	
28 to 32 weeks	6257	38.0%	12	5.1%	10	6.5%			98	7.0%	65	6.7%	6	5.2%	15	7.6%	12	11.0%	
33 to 37 weeks	2945	17.9%	7	3.0%	7	4.5%			51	3.7%	36	3.7%			5	2.5%	9	8.3%	
> 38 weeks	310	1.9%							11	0.8%	9	0.9%							
Unknown	467	2.8%							9	0.6%					5	2.5%			
<b>PP Testing Done (GDMs Only)</b>	4063																		
<b>SS Interventions (total)</b>																			
1 to 4	6425	39.0%	83	35.3%	63	40.6%	20	25.0%	412	29.6%	277	28.5%	10	8.7%	66	33.3%	59	54.1%	
5 to 10	5314	32.3%	46	19.6%	35	22.6%	11	13.8%	321	23.0%	243	25.0%	18	15.7%	42	21.2%	18	16.5%	
11 to 15	1708	10.4%	23	9.8%	20	12.9%			196	14.1%	135	13.9%	18	15.7%	35	17.7%	8	7.3%	
> 15	1774	10.8%	61	26.0%	30	19.4%	31	38.8%	378	27.1%	261	26.9%	65	56.5%	43	21.7%	9	8.3%	
Unknown	1253	7.6%	22	9.4%	7	4.5%	15	18.8%	86	6.2%	55	5.7%			12	6.1%	15	13.8%	
Average Number of Visits	7.0		10.4		8.8		13.5		11.0		10.9		18.6		10.0		5.2		
<b>Edinburgh Completed</b>																			
Prenatal	3874	73.6%	46	57.5%	29	64.4%	17	48.6%	299	72.9%	213	74.7%	34	68.0%	40	69.0%	12	70.6%	
Postpartum	1392	26.4%	34	42.5%	16	35.6%	18	51.4%	111	27.1%	72	25.3%	16	32.0%	18	31.0%	5	29.4%	
<b>Treatment Change (from first to last SS visit) <sup>6</sup></b>																			
Insulin Added	2610	51.2%							338	76.5%	289	100.0%	49	56.3%					
Oral Medication Added	2483	48.8%							104	23.5%			38	43.7%	66	100.0%			
<b>BMI less than 19.8</b>	638	3.9%	12	5.1%	9	5.8%			16	1.1%	10	1.0%							
Total Gain < 28 lbs <sup>7</sup>	376	58.9%	7	58.3%	5	55.6%			12	75.0%	7	70.0%							
Total Gain 28 - 40 lbs	203	31.8%																	
Total Gain > 40 lbs	59	9.2%																	
<b>BMI 19.8 to 24.9</b>	3463	21.0%	74	31.5%	46	29.7%	28	35.0%	85	6.1%	68	7.0%			10	5.1%	5	4.6%	
Total Gain < 25 lbs	1721	49.7%	36	48.6%	25	54.3%	11	39.3%	45	52.9%	33	48.5%			7	70.0%			
Total Gain 25 - 35 lbs	1160	33.5%	20	27.0%	12	26.1%	8	28.6%	21	24.7%	19	27.9%							
Total Gain > 35 lbs	582	16.8%	18	24.3%	9	19.6%	9	32.1%	19	22.4%	16	23.5%							
<b>BMI 25.0 to 29.0</b>	3357	20.4%	52	22.1%	29	18.7%	23	28.8%	228	16.4%	165	17.0%	10	8.7%	33	16.7%	20	18.3%	
Total Gain < 15 lbs	994	29.6%	13	25.0%	7	24.1%	6	26.1%	87	38.2%	54	32.7%	6	60.0%	17	51.5%	10	50.0%	
Total Gain 15 - 25 lbs	1188	35.4%	13	25.0%	9	31.0%			69	30.3%	52	31.5%			9	27.3%	6	30.0%	
Total Gain > 25 lbs	1175	35.0%	26	50.0%	13	44.8%	13	56.5%	72	31.6%	59	35.8%			7	21.2%			
<b>BMI &gt; 29.0</b>	6834	41.5%	67	28.5%	47	30.3%	20	25.0%	910	65.3%	641	66.0%	94	81.7%	114	57.6%	61	56.0%	
Total Gain < 15 lbs	3344	48.9%	23	34.3%	18	38.3%	5	25.0%	429	47.1%	269	42.0%	39	41.5%	76	66.7%	45	73.8%	
Total Gain 15 - 25 lbs	1857	27.2%	14	20.9%	10	21.3%			222	24.4%	171	26.7%	24	25.5%	19	16.7%	8	13.1%	
Total Gain > 25 lbs	1633	23.9%	30	44.8%	19	40.4%	11	55.0%	259	28.5%	201	31.4%	31	33.0%	19	16.7%	8	13.1%	
<b>BMI or Wt. Gain Unknown</b>	2182	13.2%	30	12.8%	24	15.5%	6	7.5%	154	11.1%	87	9.0%	9	7.8%	37	18.7%	21	19.3%	

1. Cell values less than 5 are suppressed.

3. Tables by specific maternal characteristics (e.g. race/ethnicity, age) 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 #	%

Maternal Characteristics<sup>3</sup>

Type of Pregnancy <sup>8</sup>																		
Singletons	13212	80.2%	194	82.6%	124	80.0%	70	87.5%	1081	77.6%	767	79.0%	92	80.0%	152	76.8%	70	64.2%
Multiples	477	2.9%							31	2.2%	21	2.2%	8	7.0%				
- Twins	433	2.6%							20	1.4%	13	1.3%	5	4.3%				
- Triplets or more	36	0.2%							11	0.8%	8	0.8%						
- Unknown multiples	8	0.0%																
Unknown	2785	16.9%	39	16.6%	31	20.0%	8	10.0%	281	20.2%	183	18.8%	15	13.0%	45	22.7%	38	34.9%
<b>Maternal Outcome</b>																		
Term Delivery	11740	74.0%	136	56.4%	86	55.5%	50	58.1%	871	64.7%	615	65.3%	76	63.3%	131	72.0%	49	47.6%
Preterm Delivery	1418	8.9%	47	19.5%	30	19.4%	17	19.8%	195	14.5%	139	14.8%	20	16.7%	21	11.5%	15	14.6%
Antepartum Delivery	169	1.1%	16	6.6%	9	5.8%	7	8.1%	45	3.3%	30	3.2%	8	6.7%				
Postpartum Delivery	26	0.2%																
Maternal readmission within 28 days	24	0.2%							5	0.4%								
Maternal death																		
Other	51	0.3%	5	2.1%	5	3.2%			8	0.6%	5	0.5%						
Unknown	2440	15.4%	34	14.1%	23	14.8%	11	12.8%	219	16.3%	147	15.6%	13	10.8%	27	14.8%	32	31.1%
<b>Gender<sup>9</sup></b>																		
Male	6489	49.1%	92	47.4%	61	49.2%	31	44.3%	484	44.8%	340	44.3%	48	52.2%	66	43.4%	30	42.9%
Female	5952	45.0%	83	42.8%	49	39.5%	34	48.6%	518	47.9%	374	48.8%	34	37.0%	81	53.3%	29	41.4%
Unknown	771	5.8%	19	9.8%	14	11.3%	5	7.1%	79	7.3%	53	6.9%	10	10.9%	5	3.3%	11	15.7%
<b>Congenital Anomalies Known at Discharge</b>	264		10	3.8%	6	60.0%			53	20.1%	45	84.9%						
<b>Method of Feeding at Discharge</b>																		
Breast Milk Only	6219	47.1%	64	33.0%	37	29.8%	27	38.6%	353	32.7%	237	30.9%	34	37.0%	64	42.1%	18	25.7%
Formula Only	1165	8.8%	19	9.8%	14	11.3%	5	7.1%	151	14.0%	102	13.3%	10	10.9%	26	17.1%	13	18.6%
Breast milk & formula	2988	22.6%	52	26.8%	33	26.6%	19	27.1%	281	26.0%	212	27.6%	21	22.8%	37	24.3%	11	15.7%
Unknown	2840	21.5%	59	30.4%	40	32.3%	19	27.1%	296	27.4%	216	28.2%	27	29.3%	25	16.4%	28	40.0%
<b>Singletons</b>																		
<b>Birthweight</b>																		
< 1,500 grams	103	0.8%							26	2.4%	17	2.2%						
1,500 to 2,499 grams	684	5.2%	17	8.8%	14	11.3%			81	7.5%	50	6.5%	9	9.8%	12	7.9%	10	14.3%
2,500 to 3,999 grams	10225	77.4%	120	61.9%	77	62.1%	43	61.4%	702	64.9%	512	66.8%	50	54.3%	106	69.7%	34	48.6%
4,000 to 4,499 grams	1015	7.7%	23	11.9%	15	12.1%	8	11.4%	128	11.8%	95	12.4%	12	13.0%	13	8.6%	8	11.4%
> 4,500 grams	290	2.2%	10	5.2%	6	4.8%			61	5.6%	37	4.8%	9	9.8%	9	5.9%	6	8.6%
Unknown	895	6.8%	20	10.3%	10	8.1%	10	14.3%	83	7.7%	56	7.3%	10	10.9%	8	5.3%	9	12.9%

1. Cell values less than 5 are suppressed.

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

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 NICU admission) are for singleton infants not spontaneously aborted.

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	num #	%	num #	%	num #	%	num #	%	num #	%	num #	%	num #	%	num #	%	num #	%
<b>Completed Weeks Gestation at Delivery</b> <sup>10</sup>																		
20 to 24 weeks	25	0.2%							8	0.7%	5	0.7%						
24 to 28 weeks	39	0.3%							14	1.3%	11	1.4%						
29 to 32 weeks	83	0.6%	7	3.6%	6	4.8%			16	1.5%	10	1.3%						
33 to 36 weeks	970	7.3%	39	20.1%	24	19.4%	15	21.4%	134	12.4%	96	12.5%	9	9.8%	21	13.8%	8	11.4%
37 to 41 weeks	11394	86.2%	135	69.6%	86	69.4%	49	70.0%	851	78.7%	604	78.7%	71	77.2%	120	78.9%	56	80.0%
> 41 weeks	233	1.8%							24	2.2%	19	2.5%						
Unknown	468	3.5%	12	6.2%	8	6.5%			34	3.1%	22	2.9%	5	5.4%	5	3.3%		
<b>Birthweight (Size) for Gestational Age</b> <sup>11</sup>																		
Small (<10th %tile)	1414	10.7%	11	5.7%	10	8.1%			122	11.3%	80	10.4%	10	10.9%	23	15.1%	9	12.9%
Average (11-89th %tile)	9400	71.1%	128	66.0%	78	62.9%	50	71.4%	652	60.3%	479	62.5%	47	51.1%	91	59.9%	35	50.0%
Large (>90 %tile)	1306	9.9%	34	17.5%	23	18.5%	11	15.7%	199	18.4%	137	17.9%	22	23.9%	25	16.4%	15	21.4%
Unknown	1092	8.3%	21	10.8%	13	10.5%	8	11.4%	108	10.0%	71	9.3%	13	14.1%	13	8.6%	11	15.7%
<b>NICU Admission</b>																		
Yes	1347	10.2%	63	32.5%	36	29.0%	27	38.6%	241	22.3%	175	22.8%	17	18.5%	36	23.7%	13	18.6%
No	9700	73.4%	90	46.4%	54	43.5%	36	51.4%	652	60.3%	441	57.5%	64	69.6%	105	69.1%	42	60.0%
Unknown	2165	16.4%	41	21.1%	34	27.4%	7	10.0%	188	17.4%	151	19.7%	11	12.0%	11	7.2%	15	21.4%

- Cell values less than 5 are suppressed.
- 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.
- 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.