

CALIFORNIA DIABETES AND PREGNANCY PROGRAM - CALENDAR YEAR 2009

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

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

Generated 01/24/2011 12:29:32	Gestational Diabetes Mellitus (GDM)																	
State of California	Total		Insulin		Insulin & Oral		Oral Meds		Diet		History of GDM Diet		Impaired Glucose Tol. Diet		Unknown		None	
	num #	%	num #	%	num #	%	num #	%	num #	%	num #	%	num #	%	num #	%	num #	%
Sweet Success Clients	11416	100.0%	2517	22.0%	143	1.3%	1840	16.1%	6916	60.6%	134	0.0%	786	0.0%	409	0.0%	29	0.0%
Live Births	10157	89.0%	2370	94.2%	137	95.8%	1589	86.4%	6061	87.6%	118	88.1%	741	94.3%	141	34.5%	24	82.8%
Fetal Deaths	48	0.4%	16	0.6%			7	0.4%	23	0.3%								
Spont. Abortions	29	0.3%	7	0.3%					19	0.3%			5	0.6%				
Other ²	26	0.2%	5	0.2%					20	0.3%								
Unknown Outcomes	1156	10.1%	119	4.7%			241	13.1%	793	11.5%	8	6.0%	34	4.3%	268	65.5%	5	17.2%
Maternal Characteristics³																		
Race/Ethnicity																		
White	1750	15.4%	477	19.0%	21	14.8%	208	11.3%	1044	15.1%	32	24.6%	166	21.3%	56	13.7%		
Hispanic	5421	47.6%	1130	45.0%	62	43.7%	946	51.5%	3283	47.6%	68	52.3%	384	49.2%	127	31.1%	13	44.8%
Black	1303	11.4%	262	10.4%	33	23.2%	297	16.2%	711	10.3%	8	6.2%	43	5.5%	21	5.1%		
Asian/Pacific Islander	1946	17.1%	452	18.0%	16	11.3%	252	13.7%	1226	17.8%	18	13.8%	133	17.0%	32	7.8%	8	27.6%
Native American	37	0.3%	9	0.4%			6	0.3%	22	0.3%								
Multiple Race	37	0.3%	7	0.3%			8	0.4%	18	0.3%								
Other/Unknown	893	7.8%	173	6.9%	6	4.2%	121	6.6%	593	8.6%			50	6.4%	173	42.3%		
Education																		
0 - 3rd grade	1123	9.9%	210	8.4%	20	14.1%	267	14.5%	626	9.1%	14	10.8%	77	9.9%	23	5.6%		
4th - 8th																		
9th - 12th	3853	33.8%	797	31.8%	56	39.4%	699	38.0%	2301	33.4%	35	26.9%	244	31.2%	87	21.3%	8	27.6%
any post H.S.	3771	33.1%	896	35.7%	34	23.9%	526	28.6%	2315	33.6%	54	41.5%	291	37.3%	81	19.8%	8	27.6%
Unknown	2640	23.2%	607	24.2%	32	22.5%	346	18.8%	1655	24.0%	27	20.8%	169	21.6%	218	53.3%	12	41.4%
Payment Source																		
Private Ins.																		
HMO	1936	17.0%	477	19.0%	24	16.9%	259	14.1%	1176	17.1%	27	20.8%	104	13.3%	49	12.0%	5	17.2%
PPO	2167	19.0%	548	21.8%	13	9.2%	254	13.8%	1352	19.6%	29	22.3%	178	22.8%	46	11.2%		
MediCal	5782	50.8%	1185	47.2%	85	59.9%	1067	58.1%	3445	49.9%	49	37.7%	365	46.7%	121	29.6%	13	44.8%
Self Pay	119	1.0%	27	1.1%			31	1.7%	60	0.9%			7	0.9%				
Multiple	54	0.5%	15	0.6%			10	0.5%	28	0.4%								
None/Other	1329	11.7%	258	10.3%	18	12.7%	217	11.8%	836	12.1%	22	16.9%	124	15.9%	192	46.9%	7	24.1%

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	Total		Insulin		Insulin & Oral		Oral Meds		Diet		History of GDM Diet		Impaired Glucose Tol. Diet		Unknown		None	
	num #	%	num #	%	num #	%	num #	%	num #	%	num #	%	num #	%	num #	%	num #	%
Maternal Characteristics ³																		
Maternal Age																		
< 18 years	54	0.5%	5	0.2%			7	0.4%	42	0.6%								
18 - 24 years	1218	10.7%	228	9.1%	16	11.3%	185	10.1%	789	11.4%	6	4.6%	103	13.2%	28	6.8%		
25 - 34 years	5617	49.3%	1219	48.6%	73	51.4%	912	49.6%	3413	49.5%	61	46.9%	386	49.4%	127	31.1%	15	51.7%
35 - 39 years	2712	23.8%	631	25.1%	32	22.5%	453	24.6%	1596	23.1%	40	30.8%	173	22.2%	56	13.7%		
40 - 45 years	829	7.3%	224	8.9%	12	8.5%	137	7.5%	456	6.6%	9	6.9%	49	6.3%	10	2.4%		
> 45 years	44	0.4%	17	0.7%			5	0.3%	22	0.3%								
Unknown	913	8.0%	186	7.4%	9	6.3%	139	7.6%	579	8.4%	14	10.8%	64	8.2%	188	46.0%	5	17.2%
Gravida																		
1	2335	20.5%	461	18.4%	14	9.9%	320	17.4%	1540	22.3%			143	18.3%	42	10.3%	8	27.6%
2 to 4	6623	58.2%	1460	58.2%	84	59.2%	1109	60.3%	3970	57.6%	86	66.2%	465	59.5%	117	28.6%	15	51.7%
> 4	1819	16.0%	432	17.2%	37	26.1%	327	17.8%	1023	14.8%	25	19.2%	92	11.8%	44	10.8%		
Unknown	610	5.4%	157	6.3%	7	4.9%	82	4.5%	364	5.3%	17	13.1%	81	10.4%	206	50.4%		
Para																		
1	2973	26.1%	621	24.7%	31	21.8%	418	22.7%	1903	27.6%	8	6.2%	227	29.1%	59	14.4%	9	31.0%
2 to 4	6176	54.2%	1445	57.6%	80	56.3%	1009	54.9%	3642	52.8%	86	66.2%	415	53.1%	109	26.7%	11	37.9%
> 4	791	6.9%	192	7.6%	17	12.0%	137	7.5%	445	6.5%	13	10.0%	33	4.2%	12	2.9%		
Unknown	1447	12.7%	252	10.0%	14	9.9%	274	14.9%	907	13.2%	23	17.7%	106	13.6%	229	56.0%	5	17.2%
Method of Delivery																		
Vaginal (including VBAC)	5391	47.3%	1132	45.1%	57	40.1%	810	44.1%	3392	49.2%	59	45.4%	465	59.5%	80	19.6%	11	37.9%
Cesarean - Primary	2538	22.3%	674	26.9%	53	37.3%	396	21.5%	1415	20.5%	28	21.5%	152	19.5%	39	9.5%	7	24.1%
Cesarean - Secondary	1753	15.4%	485	19.3%	24	16.9%	328	17.8%	916	13.3%	30	23.1%	84	10.8%	14	3.4%		
Unknown	1705	15.0%	219	8.7%	8	5.6%	304	16.5%	1174	17.0%	13	10.0%	80	10.2%	276	67.5%	9	31.0%
Preconception Care ⁴																		
Yes																		
No																		
Not Applicable	11387	100.0%	2510	100.0%	142	100.0%	1838	100.0%	6897	100.0%	130	100.0%	781	100.0%	409	100.0%	29	100.0%
Unknown																		
Hemoglobin A1c ⁵																		
Pre-pregnancy known																		
Pre-pregnancy > 7.0																		
Prenatal known	2914		963		40		395		1516		66		192		44		13	
Prenatal > 7.0	105	3.6%	62	6.4%	8	20.0%	15	3.8%	20	1.3%								

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

Maternal Characteristics³

Weeks Gestation at Entry Into Sweet Success Care																		
< 14 weeks	849	7.5%	346	13.8%	37	26.1%	152	8.3%	314	4.6%	53	40.8%	98	12.5%	18	4.4%		
14 to 27 weeks	2552	22.4%	839	33.4%	48	33.8%	481	26.2%	1184	17.2%	44	33.8%	189	24.2%	33	8.1%	7	24.1%
28 to 32 weeks	5184	45.5%	1011	40.3%	41	28.9%	850	46.2%	3282	47.6%	25	19.2%	326	41.7%	64	15.6%	11	37.9%
33 to 37 weeks	2476	21.7%	291	11.6%	16	11.3%	322	17.5%	1847	26.8%	5	3.8%	146	18.7%	37	9.0%	8	27.6%
> 38 weeks	246	2.2%	10	0.4%			19	1.0%	217	3.1%			20	2.6%	6	1.5%		
Unknown	80	0.7%	13	0.5%			14	0.8%	53	0.8%					251	61.4%		
Post-partum Testing Done	4653	81.9%	1022	22.0%	60	1.3%	806	17.3%	2765	59.4%	63	1.1%	389	6.8%	60	1.1%	8	0.1%
SS Interventions (total)																		
1 to 4	3772	33.1%	313	12.5%	5	3.5%	413	22.5%	3041	44.1%	27	20.8%	244	31.2%	64	15.6%	8	27.6%
5 to 10	4478	39.3%	991	39.5%	60	42.3%	832	45.3%	2595	37.6%	28	21.5%	292	37.4%	45	11.0%	16	55.2%
11 to 15	1293	11.4%	528	21.0%	25	17.6%	280	15.2%	460	6.7%	25	19.2%	100	12.8%	15	3.7%		
> 15	1122	9.9%	568	22.6%	45	31.7%	218	11.9%	291	4.2%	46	35.4%	125	16.0%	20	4.9%		
Unknown	722	6.3%	110	4.4%	7	4.9%	95	5.2%	510	7.4%			20	2.6%	265	64.8%		
Average Number of Visits	7.3		11.2		13.8		8.6		5.5		13.6		8.9		2.6		6.0	
Treatment Change (from first to last SS visit) ⁶																		
Insulin Added	2124	56.1%	2006	100.0%	118	51.8%												
Oral Medication Added	1665	43.9%			110	48.2%	1555	100.0%										
BMI less than 19.8	472	4.1%	65	2.6%			27	1.5%	379	5.5%	6	4.6%	34	4.4%	6	1.5%		
Total Gain < 28 lbs ⁷	265	56.1%	30	46.2%			15	55.6%	219	57.8%			18	52.9%				
Total Gain 28 - 40 lbs	154	32.6%	26	40.0%			8	29.6%	120	31.7%			12	35.3%				
Total Gain > 40 lbs	53	11.2%	9	13.8%					40	10.6%								
BMI 19.8 to 24.9	2902	25.5%	469	18.7%	14	9.9%	396	21.5%	2023	29.3%	39	30.0%	222	28.4%	51	12.5%	6	20.7%
Total Gain < 25 lbs	1507	51.9%	208	44.3%	7	50.0%	186	47.0%	1106	54.7%	22	56.4%	106	47.7%	33	64.7%		
Total Gain 25 - 35 lbs	958	33.0%	172	36.7%			142	35.9%	642	31.7%	10	25.6%	73	32.9%	11	21.6%		
Total Gain > 35 lbs	437	15.1%	89	19.0%	5	35.7%	68	17.2%	275	13.6%	7	17.9%	43	19.4%	7	13.7%		
BMI 25.0 to 29.0	2756	24.2%	527	21.0%	23	16.2%	423	23.0%	1783	25.9%	34	26.2%	196	25.1%	54	13.2%	9	31.0%
Total Gain < 15 lbs	895	32.5%	160	30.4%	12	52.2%	128	30.3%	595	33.4%	15	44.1%	53	27.0%	26	48.1%		
Total Gain 15 - 25 lbs	922	33.5%	165	31.3%	7	30.4%	133	31.4%	617	34.6%	15	44.1%	68	34.7%	14	25.9%		
Total Gain > 25 lbs	939	34.1%	202	38.3%			162	38.3%	571	32.0%			75	38.3%	14	25.9%		
BMI > 29.0	5223	45.9%	1441	57.4%	104	73.2%	990	53.9%	2688	39.0%	51	39.2%	327	41.9%	113	27.6%	11	37.9%
Total Gain < 15 lbs	2560	49.0%	642	44.6%	43	41.3%	510	51.5%	1365	50.8%	24	47.1%	166	50.8%	74	65.5%	5	45.5%
Total Gain 15 - 25 lbs	1473	28.2%	412	28.6%	29	27.9%	280	28.3%	752	28.0%	13	25.5%	94	28.7%	26	23.0%		
Total Gain > 25 lbs	1190	22.8%	387	26.9%	32	30.8%	200	20.2%	571	21.2%	14	27.5%	67	20.5%	13	11.5%	5	45.5%
BMI or Wt. Gain Unknown	34	0.3%	8	0.3%					24	0.3%					185	45.2%		

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.

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	10092	87.6%	2311	91.5%	136	93.8%	1656	89.7%	5989	85.5%	117	88.0%	724	92.5%	131	26.5%	23	79.3%
Multiples	430	3.7%	100	4.0%			35	1.9%	293	4.2%	7	5.3%	40	5.1%	36	7.3%		
- Twins	403	3.5%	97	3.8%			34	1.8%	270	3.9%	5	3.8%	39	5.0%	9	1.8%		
- Triplets or more	6	0.1%							6	0.1%								
- Unknown multiples	21	0.2%							17	0.2%					27	5.5%		
Unknown	1002	8.7%	114	4.5%	7	4.8%	156	8.4%	725	10.3%	9	6.8%	19	2.4%	327	66.2%	5	17.2%
Gender⁹																		
Male	4836	47.9%	1184	51.2%	67	49.3%	806	48.7%	2779	46.4%	60	51.3%	377	52.1%	64	48.9%	14	60.9%
Female	4410	43.7%	998	43.2%	57	41.9%	680	41.1%	2675	44.7%	52	44.4%	305	42.1%	55	42.0%	8	34.8%
Unknown	846	8.4%	129	5.6%	12	8.8%	170	10.3%	535	8.9%	5	4.3%	42	5.8%	12	9.2%		
Congenital Anomalies																		
Known at Discharge	67	69.1%	24	35.8%			9	13.4%	31	46.3%								
Method of Feeding at Discharge from Hospital																		
Breast Milk Only	3985	39.5%	950	41.1%	50	36.8%	616	37.2%	2369	39.6%	54	46.2%	420	58.0%	57	43.5%	9	39.1%
Formula Only	1100	10.9%	237	10.3%	14	10.3%	177	10.7%	672	11.2%	18	15.4%	36	5.0%	16	12.2%		
Breast milk & formula	2376	23.5%	574	24.8%	35	25.7%	373	22.5%	1394	23.3%	23	19.7%	147	20.3%	22	16.8%	5	21.7%
Unknown	2631	26.1%	550	23.8%	37	27.2%	490	29.6%	1554	25.9%	22	18.8%	121	16.7%	36	27.5%	7	30.4%
Singletons																		
Birthweight																		
< 1,500 grams	60	0.6%	16	0.7%			10	0.6%	33	0.6%								
1,500 to 2,499 grams	519	5.1%	133	5.8%	9	6.6%	65	3.9%	312	5.2%			23	3.2%	5	3.8%		
2,500 to 3,999 grams	7711	76.4%	1783	77.2%	82	60.3%	1191	71.9%	4655	77.7%	97	82.9%	582	80.4%	103	78.6%	18	78.3%
4,000 to 4,499 grams	661	6.5%	174	7.5%	24	17.6%	140	8.5%	323	5.4%	9	7.7%	51	7.0%	8	6.1%		
> 4,500 grams	196	1.9%	67	2.9%	10	7.4%	41	2.5%	78	1.3%			11	1.5%				
Unknown	945	9.4%	138	6.0%	10	7.4%	209	12.6%	588	9.8%			55	7.6%	12	9.2%		
Completed Weeks Gestation at Delivery¹⁰																		
20 to 24 weeks	7	0.1%																
24 to 28 weeks	20	0.2%	5	0.2%					13	0.2%								
29 to 32 weeks	55	0.5%	10	0.4%			6	0.4%	38	0.6%								
33 to 36 weeks	664	6.6%	176	7.6%	11	8.1%	94	5.7%	383	6.4%	6	5.1%	31	4.3%	7	5.3%		
37 to 41 weeks	8523	84.5%	2010	87.0%	116	85.3%	1389	83.9%	5008	83.6%	104	88.9%	641	88.5%	116	88.5%	23	100.0%
> 41 weeks	206	2.0%	43	1.9%			32	1.9%	128	2.1%			14	1.9%				
Unknown	617	6.1%	64	2.8%	5	3.7%	131	7.9%	417	7.0%			34	4.7%				

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)	1038	10.3%	225	9.7%	17	12.5%	128	7.7%	668	11.2%	5	4.3%	68	9.4%	13	9.9%			
Average (11-89th %tile)	7069	70.0%	1648	71.3%	76	55.9%	1121	67.7%	4224	70.5%	92	78.6%	543	75.0%	94	71.8%	17	73.9%	
Large (>90 %tile)	857	8.5%	263	11.4%	30	22.1%	172	10.4%	392	6.5%	12	10.3%	50	6.9%	11	8.4%			
Unknown	1128	11.2%	175	7.6%	13	9.6%	235	14.2%	705	11.8%	8	6.8%	63	8.7%	13	9.9%			
Not Discharged with Mother																			
Total	816	73.1%	237	29.0%	14	1.7%	148	18.1%	417	51.1%	12	1.1%	47	4.2%	7	0.6%			
Length of Stay < 7 days	281	34.4%	63	26.6%	6	42.9%	57	38.5%	155	37.2%	7	58.3%	25	53.2%					
Length of Stay > 7 days	197	24.1%	65	27.4%			25	16.9%	106	25.4%			11	23.4%					
Unknown	338	41.4%	109	46.0%	7	50.0%	66	44.6%	156	37.4%			11	23.4%	5	71.4%			

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.