

CALIFORNIA DIABETES AND PREGNANCY PROGRAM - CALENDAR YEAR 2010

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

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

Generated 10/10/2011 09:03:21	Gestational Diabetes Mellitus (GDM)																			
	Total		Insulin		Insulin & Oral		Oral Meds		Diet & Exercise		History of GDM		Pre-Diabetes Prior to Pregnancy		1 Abnormal Value Only		Dx with A1C during Pregnancy		Unknown	
	num #	%	num #	%	num #	%	num #	%	num #	%	num #	%	num #	%	num #	%	num #	%	num #	%
Sweet Success Clients	12512	100.0%	2535	20.3%	115	0.9%	2344	18.7%	7518	60.1%	556	0.0%	137	0.0%	1099	0.0%	74	0.0%	530	0.0%
Live Births	10564	84.4%	2298	90.7%	107	93.0%	1958	83.5%	6201	82.5%	445	80.0%	112	81.8%	955	86.9%	65	87.8%	119	22.5%
Fetal Deaths	56	0.4%	13	0.5%			12	0.5%	30	0.4%	5	0.9%								
Spont. Abortions	45	0.4%	6	0.2%			6	0.3%	33	0.4%	5	0.9%			5	0.5%				
Other ²	10	0.1%							5	0.1%										
Unknown Outcomes	1837	14.7%	214	8.4%	7	6.1%	367	15.7%	1249	16.6%	99	17.8%	18	13.1%	136	12.4%	7	9.5%	408	77.0%
Maternal Characteristics ³																				
Race/Ethnicity																				
White	2276	18.3%	504	19.9%	19	16.5%	353	15.1%	1400	18.7%	109	19.8%	30	22.6%	181	16.5%	9	12.3%	62	11.7%
Hispanic	6648	53.3%	1319	52.2%	63	54.8%	1367	58.5%	3899	52.1%	322	58.4%	60	45.1%	620	56.7%	47	64.4%	162	30.7%
Black	230	1.8%	39	1.5%			59	2.5%	129	1.7%	14	2.5%	6	4.5%	19	1.7%			7	1.3%
Asian	2558	20.5%	522	20.6%	23	20.0%	398	17.0%	1615	21.6%	78	14.2%	31	23.3%	213	19.5%	8	11.0%	74	14.0%
Multiple Race	84	0.7%	9	0.4%			34	1.5%	40	0.5%	5	0.9%			11	1.0%				
Unknown	671	5.4%	136	5.4%	6	5.2%	127	5.4%	402	5.4%	23	4.2%	5	3.8%	50	4.6%			220	41.7%
Maternal Age																				
< 18 years	42	0.3%	7	0.3%			6	0.3%	29	0.4%										
18 - 24 years	1144	9.2%	198	7.8%	6	5.2%	205	8.8%	735	9.8%	39	7.1%	11	8.3%	124	11.3%	8	11.0%	12	2.3%
25 - 34 years	5578	44.7%	1209	47.8%	62	53.9%	1027	43.9%	3280	43.8%	223	40.5%	55	41.4%	505	46.2%	35	47.9%	65	12.3%
35 - 39 years	2608	20.9%	574	22.7%	28	24.3%	502	21.5%	1504	20.1%	149	27.0%	27	20.3%	220	20.1%	13	17.8%	24	4.5%
40 - 45 years	812	6.5%	188	7.4%	13	11.3%	170	7.3%	441	5.9%	30	5.4%	14	10.5%	56	5.1%	5	6.8%	8	1.5%
> 45 years	42	0.3%	5	0.2%			8	0.3%	29	0.4%										
Unknown	2241	18.0%	348	13.8%	6	5.2%	420	18.0%	1467	19.6%	109	19.8%	26	19.5%	186	17.0%	12	16.4%	419	79.4%
Method of Delivery																				
Vaginal (including VBAC)	5961	47.8%	1183	46.8%	51	44.3%	1065	45.6%	3662	48.9%	239	43.4%	55	41.4%	594	54.3%	34	46.6%	57	10.8%
Cesarean - Primary	2255	18.1%	530	21.0%	28	24.3%	411	17.6%	1286	17.2%	55	10.0%	30	22.6%	194	17.7%	16	21.9%	27	5.1%
Cesarean - Secondary	2141	17.2%	540	21.4%	26	22.6%	452	19.3%	1123	15.0%	146	26.5%	24	18.0%	160	14.6%	14	19.2%	33	6.3%
Unknown	2110	16.9%	276	10.9%	10	8.7%	410	17.5%	1414	18.9%	111	20.1%	24	18.0%	146	13.3%	9	12.3%	411	77.8%
Preconception Care ⁴																				
Yes																				
No/Unknown																				
Not Applicable	12467	100.0%	2529	100.0%	115	100.0%	2338	100.0%	7485	100.0%	551	100.0%	133	100.0%	1094	100.0%	73	100.0%	528	100.0%
Hemoglobin A1c ⁵																				
Pre-pregnancy known	155		55		11		28		61		12		17		14					
Pre-pregnancy > 7.0	10	6.5%	7	12.7%																
Prenatal known	2405		833		33		341		1198		100		64		256		57		52	
Prenatal > 7.0	76	3.2%	42	5.0%			16	4.7%	17	1.4%	8	8.0%	8	12.5%			12	21.1%		

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

Generated 10/10/2011 09:03:21	Gestational Diabetes Mellitus (GDM)																			
	Total		Insulin		Insulin & Oral		Oral Meds		Diet & Exercise		History of GDM		Pre-Diabetes Prior to Pregnancy		1 Abnormal Value Only		Dx with A1C during Pregnancy		Unknown	
	num #	%	num #	%	num #	%	num #	%	num #	%	num #	%	num #	%	num #	%	num #	%	num #	%
Maternal Characteristics ³																				
Weeks Gestation at Entry Into Sweet Success Care																				
< 14 weeks	1072	8.6%	400	15.8%	31	27.0%	247	10.6%	394	5.3%	107	19.4%	64	48.1%	118	10.8%	18	24.7%	27	5.1%
14 to 27 weeks	3044	24.4%	905	35.8%	39	33.9%	652	27.9%	1448	19.3%	192	34.8%	45	33.8%	308	28.2%	20	27.4%	42	8.0%
28 to 32 weeks	5481	44.0%	954	37.7%	36	31.3%	1013	43.3%	3478	46.5%	152	27.6%	14	10.5%	432	39.5%	18	24.7%	50	9.5%
33 to 37 weeks	2533	20.3%	242	9.6%	7	6.1%	390	16.7%	1894	25.3%	89	16.2%	9	6.8%	209	19.1%	12	16.4%	35	6.6%
> 38 weeks	263	2.1%	14	0.6%			21	0.9%	226	3.0%	8	1.5%			19	1.7%	5	6.8%		
Unknown	74	0.6%	14	0.6%			15	0.6%	45	0.6%					8	0.7%			370	70.1%
PP Testing Done (GDMs Only)	4063		989	24.3%	50	1.2%	746	18.4%	2278	56.1%										
SS Interventions (total)																				
1 to 4	5015	40.2%	601	23.8%	21	18.3%	754	32.2%	3639	48.6%	260	47.2%	34	25.6%	472	43.1%	23	31.5%	126	23.9%
5 to 10	4402	35.3%	923	36.5%	23	20.0%	874	37.4%	2582	34.5%	132	24.0%	29	21.8%	336	30.7%	11	15.1%	37	7.0%
11 to 15	1260	10.1%	438	17.3%	17	14.8%	296	12.7%	509	6.8%	51	9.3%	20	15.0%	133	12.2%	10	13.7%	15	2.8%
> 15	1038	8.3%	420	16.6%	44	38.3%	294	12.6%	280	3.7%	90	16.3%	43	32.3%	124	11.3%	27	37.0%	13	2.5%
Unknown	752	6.0%	147	5.8%	10	8.7%	120	5.1%	475	6.3%	18	3.3%	7	5.3%	29	2.7%			337	63.8%
Average Number of Visits	6.6		9.1		13.3		8.1		5.2		7.9		12.2		7.3		12.1		1.9	
Edinburgh Completed																				
Prenatal	3160	74.7%	649	71.6%	29	72.5%	649	75.2%	1833	75.7%	101	70.6%	22	64.7%	200	65.6%	12	60.0%	34	75.6%
Postpartum	1069	25.3%	257	28.4%	11	27.5%	214	24.8%	587	24.3%	42	29.4%	12	35.3%	105	34.4%	8	40.0%	11	24.4%
Treatment Change (from first to last SS visit) ⁶																				
Insulin Added	1927	48.3%	1827	100.0%	100	51.3%					153	56.0%	9	17.6%	158	53.6%	25	56.8%		
Oral Medication Added	2061	51.7%			95	48.7%	1966	100.0%			120	44.0%	42	82.4%	137	46.4%	19	43.2%		
BMI less than 19.8	539	4.3%	56	2.2%			49	2.1%	431	5.8%	18	3.3%	5	3.8%	43	3.9%			5	0.9%
Total Gain < 28 lbs ⁷	317	58.8%	33	58.9%			31	63.3%	251	58.2%	10	55.6%			25	58.1%				
Total Gain 28 - 40 lbs	172	31.9%	17	30.4%			11	22.4%	143	33.2%	6	33.3%			14	32.6%				
Total Gain > 40 lbs	50	9.3%	6	10.7%			7	14.3%	37	8.6%										
BMI 19.8 to 24.9	2897	23.2%	431	17.0%	5	4.3%	420	18.0%	2041	27.3%	91	16.5%	17	12.8%	261	23.9%	8	11.0%	30	5.7%
Total Gain < 25 lbs	1429	49.3%	195	45.2%			200	47.6%	1032	50.6%	54	59.3%	8	47.1%	133	51.0%	5	62.5%	11	36.7%
Total Gain 25 - 35 lbs	991	34.2%	141	32.7%			156	37.1%	692	33.9%	22	24.2%	6	35.3%	84	32.2%			14	46.7%
Total Gain > 35 lbs	477	16.5%	95	22.0%			64	15.2%	317	15.5%	15	16.5%			44	16.9%			5	16.7%
BMI 25.0 to 29.0	2665	21.4%	486	19.2%	23	20.0%	489	20.9%	1667	22.3%	112	20.3%	26	19.5%	233	21.3%	14	19.2%	27	5.1%
Total Gain < 15 lbs	758	28.4%	120	24.7%	7	30.4%	140	28.6%	491	29.5%	43	38.4%	10	38.5%	71	30.5%	5	35.7%	7	25.9%
Total Gain 15 - 25 lbs	982	36.8%	188	38.7%	6	26.1%	180	36.8%	608	36.5%	32	28.4%	8	30.8%	72	30.9%			8	29.6%
Total Gain > 25 lbs	925	34.7%	178	36.6%	10	43.5%	169	34.6%	568	34.1%	37	33.0%	8	30.8%	90	38.6%	5	35.7%	12	44.4%
BMI > 29.0	5020	40.3%	1306	51.6%	72	62.6%	1118	47.8%	2524	33.7%	239	43.4%	68	51.1%	418	38.2%	39	53.4%	73	13.8%
Total Gain < 15 lbs	2470	49.2%	596	45.6%	33	45.8%	552	49.4%	1289	51.1%	122	51.0%	40	58.8%	208	49.8%	16	41.0%	36	49.3%
Total Gain 15 - 25 lbs	1398	27.8%	383	29.3%	19	26.4%	327	29.2%	669	26.5%	70	29.3%	8	11.8%	117	28.0%	10	25.6%	18	24.7%
Total Gain > 25 lbs	1152	22.9%	327	25.0%	20	27.8%	239	21.4%	566	22.4%	47	19.7%	20	29.4%	93	22.2%	13	33.3%	19	26.0%
BMI or Wt. Gain Unknown	1346	10.8%	250	9.9%	12	10.4%	262	11.2%	822	11.0%	91	16.5%	17	12.8%	139	12.7%	12	16.4%	393	74.4%

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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Generated 10/10/2011 09:03:21	Gestational Diabetes Mellitus (GDM)																			
State of California	Total		Insulin		Insulin & Oral		Oral Meds		Diet & Exercise		History of GDM		Pre-Diabetes Prior to Pregnancy		1 Abnormal Value Only		Dx with A1C during Pregnancy		Unknown	
	num #	%	num #	%	num #	%	num #	%	num #	%	num #	%	num #	%	num #	%	num #	%	num #	%
Maternal Characteristics ³																				
Type of Pregnancy ⁸																				
Singletons	10248	82.2%	2219	87.7%	100	87.0%	1960	83.8%	5969	79.7%	444	80.6%	112	84.2%	956	87.4%	64	87.7%	113	21.4%
Multiples	388	3.1%	72	2.8%	6	5.2%	60	2.6%	250	3.3%	12	2.2%	6	4.5%	34	3.1%				
- Twins	358	2.9%	70	2.8%			52	2.2%	235	3.1%	11	2.0%	6	4.5%	32	2.9%				
- Triplets or more	24	0.2%			5	4.3%	7	0.3%	11	0.1%										
- Unknown multiples	6	0.0%																		
Unknown	1831	14.7%	238	9.4%	9	7.8%	318	13.6%	1266	16.9%	95	17.2%	15	11.3%	104	9.5%	8	11.0%	412	78.0%
Maternal Outcome																				
Term Delivery	9273	76.3%	1994	79.5%	91	77.1%	1766	77.1%	5422	75.0%	384	72.5%	81	62.3%	843	79.2%	59	81.9%	93	27.3%
Preterm Delivery	1010	8.3%	240	9.6%	15	12.7%	174	7.6%	581	8.0%	51	9.6%	21	16.2%	81	7.6%			9	2.6%
Antepartum Delivery	87	0.7%	29	1.2%			18	0.8%	37	0.5%					12	1.1%				
Postpartum Delivery	18	0.1%							14	0.2%										
Maternal readmission within 28 days	13	0.1%							6	0.1%										
Maternal death																				
Other	29	0.2%	5	0.2%					18	0.2%										
Unknown	1713	14.1%	233	9.3%	5	4.2%	327	14.3%	1148	15.9%	87	16.4%	25	19.2%	121	11.4%	8	11.1%	233	68.3%
Gender ⁹																				
Male	5120	50.0%	1148	51.7%	47	47.0%	983	50.2%	2942	49.3%	221	49.8%	46	41.1%	442	46.2%	30	46.9%	54	47.8%
Female	4590	44.8%	970	43.7%	46	46.0%	850	43.4%	2724	45.6%	195	43.9%	53	47.3%	435	45.5%	27	42.2%	51	45.1%
Unknown	538	5.2%	101	4.6%	7	7.0%	127	6.5%	303	5.1%	28	6.3%	13	11.6%	79	8.3%	7	10.9%	8	7.1%
Congenital Anomalies Known at Discharge																				
	173		50	28.9%			31	17.9%	90	52.0%	9	3.4%			13	4.9%				
Method of Feeding at Discharge																				
Breast Milk Only	4922	48.0%	991	44.7%	54	54.0%	900	45.9%	2977	49.9%	211	47.5%	50	44.6%	544	56.9%	26	40.6%	49	43.4%
Formula Only	841	8.2%	210	9.5%			166	8.5%	461	7.7%	44	9.9%	13	11.6%	82	8.6%	7	10.9%	8	7.1%
Breast milk & formula	2299	22.4%	512	23.1%	25	25.0%	480	24.5%	1282	21.5%	97	21.8%	25	22.3%	196	20.5%	16	25.0%	22	19.5%
Unknown	2186	21.3%	506	22.8%	17	17.0%	414	21.1%	1249	20.9%	92	20.7%	24	21.4%	134	14.0%	15	23.4%	34	30.1%
Singletons																				
Birthweight																				
< 1,500 grams	62	0.6%	19	0.9%			8	0.4%	35	0.6%										
1,500 to 2,499 grams	509	5.0%	120	5.4%	5	5.0%	73	3.7%	311	5.2%	16	3.6%	9	8.0%	45	4.7%			6	5.3%
2,500 to 3,999 grams	8094	79.0%	1724	77.7%	75	75.0%	1513	77.2%	4782	80.1%	354	79.7%	75	67.0%	752	78.7%	48	75.0%	80	70.8%
4,000 to 4,499 grams	739	7.2%	190	8.6%	11	11.0%	161	8.2%	377	6.3%	32	7.2%	11	9.8%	61	6.4%	8	12.5%	13	11.5%
> 4,500 grams	187	1.8%	50	2.3%			46	2.3%	89	1.5%	10	2.3%			15	1.6%				
Unknown	657	6.4%	116	5.2%	7	7.0%	159	8.1%	375	6.3%	28	6.3%	13	11.6%	80	8.4%			11	9.7%

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 #	%	num #	%	
Completed Weeks Gestation at Delivery ¹⁰																					
20 to 24 weeks	16	0.2%	6	0.3%						9	0.2%										
24 to 28 weeks	20	0.2%	6	0.3%						12	0.2%										
29 to 32 weeks	48	0.5%	11	0.5%				9	0.5%	28	0.5%				5	0.5%					
33 to 36 weeks	675	6.6%	182	8.2%	9	9.0%	112	5.7%	372	6.2%	35	7.9%	10	8.9%	65	6.8%	5	7.8%	7	6.2%	
37 to 41 weeks	8969	87.5%	1942	87.5%	84	84.0%	1713	87.4%	5230	87.6%	379	85.4%	90	80.4%	816	85.4%	55	85.9%	99	87.6%	
> 41 weeks	177	1.7%	22	1.0%			40	2.0%	115	1.9%	8	1.8%	5	4.5%	19	2.0%					
Unknown	343	3.3%	50	2.3%	7	7.0%	83	4.2%	203	3.4%	18	4.1%	5	4.5%	47	4.9%			6	5.3%	
Birthweight (Size) for Gestational Age ¹¹																					
Small (<10th %tile)	1106	10.8%	237	10.7%	8	8.0%	171	8.7%	690	11.6%	33	7.4%	12	10.7%	111	11.6%	7	10.9%	12	10.6%	
Average (11-89th %tile)	7425	72.5%	1588	71.6%	66	66.0%	1386	70.7%	4385	73.5%	332	74.8%	74	66.1%	674	70.5%	42	65.6%	73	64.6%	
Large (>90 %tile)	914	8.9%	249	11.2%	16	16.0%	214	10.9%	435	7.3%	45	10.1%	12	10.7%	77	8.1%	10	15.6%	15	13.3%	
Unknown	803	7.8%	145	6.5%	10	10.0%	189	9.6%	459	7.7%	34	7.7%	14	12.5%	94	9.8%	5	7.8%	13	11.5%	
NICU Admission																					
Yes	882	8.6%	242	10.9%	12	12.0%	182	9.3%	446	7.5%	51	11.5%	17	15.2%	70	7.3%	8	12.5%	15	13.3%	
No	7674	74.9%	1579	71.2%	66	66.0%	1432	73.1%	4597	77.0%	332	74.8%	72	64.3%	754	78.9%	51	79.7%	75	66.4%	
Unknown	1692	16.5%	398	17.9%	22	22.0%	346	17.7%	926	15.5%	61	13.7%	23	20.5%	132	13.8%	5	7.8%	23	20.4%	

1. Cell values less than 5 are suppressed.

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.

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.