

2010 California Diabetes and Pregnancy Program (CDAPP)  
Data Report Notes

- Information is presented as both a number (num #) and a percent (%)
  - Note: Data are presented (both in number and percent) including unknowns to allow for quality improvement of data collection as well as program planning.
  - To calculate the true percentage among known values, remove the unknown values from the denominator for each variable.
  - Caution should be used in interpreting findings with large numbers of unknowns (e.g. > 10%).
- Total columns are presented as column percent, diagnostic groupings present row percent (within group)
- Fields with fewer than 5 reported events are suppressed to avoid identification of individual data and protect privacy.
- The data set represents data for all CDAPP clients delivering an infant or ending a pregnancy in 2010, or if no date of pregnancy end is known, who began Sweet Success care in 2010.
  - Data source is CDAPP Affiliate Reports of Client Outcome.
  - The Data collection formats used included:
    - Electronic data collection via SurveyMonkey.com
    - Paper data collection using the CDAPP Client Outcome Report Form (2010 version)
- The data are reported in 8 groupings as well as aggregated into the total CDAPP population.
  - Grand Total
  - Women with pre-existing Type 1 Diabetes (DM1)
  - Women with pre-existing Type 2 Diabetes (DM2)
  - Women with Gestational Diabetes Mellitus (GDM)
  - Women with a History of GDM
  - Women with Pre-Diabetes Prior to Pregnancy.
  - Women with 1 Abnormal Value Only on Oral Glucose Tolerance Test (OGTT)
  - Women Diagnosed with Hemoglobin A1C during Pregnancy
  - Women within the CDAPP program with Unknown diagnosis
- Data are reported by type of intervention at the Last Sweet Success visit.
  - Within each treatment/intervention type, several interventions may be reported:
    - Insulin, multiple daily injections (MDI)
    - Insulin pump (Reported for Type 1 only. Other diagnostic categories report MDI and Pump combined as Insulin or Insulin only).
    - Insulin and Oral [any combination of insulin (including pump) and one or more oral medications (Glyburide™, Metformin™, Other, unspecified)]
    - Oral Medications [any single or combination of oral medications (Glyburide™, Metformin™, Other, unspecified)]
    - Diet and Exercise
  - Due to small numbers, only totals are reported within the groups of
    - History of GDM
    - Pre-Diabetes Prior to Pregnancy.
    - 1 Abnormal Value Only on Oral Glucose Tolerance Test (OGTT)
    - Diagnosed with Hemoglobin A1C during Pregnancy
    - Unknown
- Maternal client data are reported
  - These data represent (inclusions)
    - Data reported by an approved Affiliate;
    - All women receiving Sweet Success care;
    - Women giving birth or ending a pregnancy during the calendar year (2010); or
    - If the date of the pregnancy end is unknown, it includes women who began Sweet Success during the 2010 calendar year.

- Exclusions
  - All women giving birth to multiple infants (twins, triplets or higher order) are counted and reported only once
  - Women who experienced spontaneous abortions. As these clients had a pregnancy loss prior to 20 weeks gestation, the impact of Sweet Success services would be difficult to evaluate.
- Outcome
  - Live Births
  - Fetal Deaths: death of a fetus in-utero, at or after the 20<sup>th</sup> week of gestation
  - Spontaneous Abortions: loss of a pregnancy prior to the 20<sup>th</sup> week of gestation
  - Other: includes induced terminations
  - Unknown
- Maternal Race is grouped based on the following criteria:
  - Race/Ethnicity Grouping definitions can be found in the CDAPP 2010 Data Definition Manual
  - All clients noted to be of Hispanic origin and any other combination race/ethnicity including Hispanic are coded Hispanic
  - Clients noted to be non-Hispanic and one other race are coded to that race
  - Clients noted to have more than one race (other than Hispanic) are coded Multiple Race
  - Clients reporting more than one race are reported as “Multiple Race”
- Maternal age is reported at the conclusion of the index pregnancy.
- Method of Delivery reports Vaginal, including Vaginal Birth after Cesarean Section (VBAC), Primary and Secondary Cesarean Delivery and Unknown delivery modes.
- Preconception Care is reported for those clients with pre-existing diabetes only Type 1 Diabetes (DM1) or Type 2 Diabetes (DM2).
  - Preconception Care is reported as Yes if Hemoglobin A1C dates or values are reported for clients with pre-existing diabetes diagnoses, and No/Unknown if Hemoglobin A1C dates or values are not reported for clients with pre-existing diabetes diagnoses
  - If the client was seen for GDM or other non-pre-existing diabetes diagnoses then they are coded as Not Applicable for this variable.
- Hemoglobin A1C can be reported for the pre-pregnancy and/or prenatal period.
  - If a value is reported, then it is counted as “known”
- Weeks Gestation at Entry into Sweet Success Care is calculated using the Estimated Date of Delivery (EDD) and the reported date of the First Sweet Success Visit.
- Post-partum Testing done is collected for GDMs only and reports an aggregate total for GDMs with a post-partum diagnosis of No Diabetes Detected, IGT, IFG, Both IGT and IFG, or Type 2 Diabetes (DM2).
- Sweet Success Interventions reports total interactions with the client including Face to Face visits and exchanges via Phone, Fax, or E-mail.
- Treatment change is calculated within each major diagnostic grouping, Type 2 Diabetes (DM2), or GDM using the diagnosis and intervention type reported at the first Sweet Success visit and intervention type at the last Sweet Success visit. Additions of insulin or oral medications are reported. Note it is possible for a client to be reported in both the insulin added and the oral medication added fields.
  - Reporting is limited to those clients who remained in the same general diagnostic group for both the first and last Sweet Success visits.
- Body Mass Index (BMI) is calculated using the pre-pregnancy weight in pounds and the measured height in inches.

- BMI reporting categories are in accordance with the Institute of Medicine guidelines for BMI groupings and weight gain recommendations and further segmented to reflect CDAPP guidelines.
    - Within each category, the number and percent of women with weight gain during pregnancy that was less than the recommendation for BMI, within the recommended and greater than recommended is reported.
    - Women with unknown pre-pregnancy weight and/or height are reported as unknown.
    - Women with unknown weight gain are excluded from reporting in this category.
- Sweet Success Fetal and Infant Outcome
  - These data represent (inclusions)
    - Clients receiving Sweet Success care in 2010 reported by an approved Affiliate;
    - Clients with pregnancy outcomes that were either a fetal loss (on or after the 20<sup>th</sup> week of gestation), a termination, a live birth, or unknown and other outcomes to women receiving Sweet Success care;
    - During the calendar year (2010); or
    - If the date of the pregnancy end is unknown, it includes those mothers who began Sweet Success care during the 2010 calendar year.
    - Includes all fetal deaths and live born infants of multi-fetal pregnancies (twins, triplets or higher order)
  - Exclusions
    - Clients who experienced spontaneous abortions.
  - The following groups are reported within the data on singleton and multi-fetal pregnancies, as well as those with unknown outcome.
    - Singletons (reported as not being part of multiple pregnancy)
    - Multiples (all those fetal and neonatal outcomes reported as being part of a multiple pregnancy)
    - Twins
    - Triplets or Higher Order Multiples
    - Unknown Multiples (reported as being part of a multiple pregnancy but without data on the number of infants in the pregnancy)
    - Unknown pregnancy Outcomes
  - Multi-fetal pregnancies have an increased risk of premature and low birth weight delivery as well as other adverse outcomes, so they are excluded from the variables reported for *singleton* fetal and neonatal clients. This group of indicators is reported for those infant outcomes reported as singleton.
    - Gender
    - Congenital Anomalies (known at discharge from the Sweet Success program)
    - Method of Feeding at Discharge from the Hospital
    - Birthweight
    - Completed Weeks of Gestation at Delivery [calculated using the Estimated Date of Delivery (EDD) and the actual Date of Delivery]
    - Birthweight (Size) for Gestational Age is calculated using the gestational age (derived as discussed previously – EDD and Date of Delivery) and the birthweight reported. This data is then compared to normative data for the United States and reported in the following groups
      - Small for Gestational Age (defined as birthweight less than or equal to the 10<sup>th</sup> percentile for gestational age in the general populations)
      - Average for Gestational Age (defined as having a birthweight between the 11<sup>th</sup> and 89<sup>th</sup> percentile for gestational age in the general population)
      - Large for Gestational Age (defined as having a birthweight greater than or equal to the 90<sup>th</sup> percentile for gestational age in the general population)