

## California\*

### California Birth Defects Monitoring Program (CBDMP)

\*Last updated 2019

**Purpose:** Surveillance, Research

**Partner:** Local Health Departments, Hospitals, Universities

**Program status:** Currently collecting data

**Start year:** 1983

**Earliest year of available data:** 1983

**Organizational location:** Department of Health (Genetic Disease Screening Program/ Center for Family Health/ California Department of Public Health)

**Population covered annually:** 70,000

**Statewide:** No, CBDMP currently monitors a ten-county subset of California births that are demographically similar to the state as a whole and whose birth defects rates and trends have been reflective of those throughout California. Furthermore, CBDMP has statutory authority to conduct active surveillance anywhere in the state when warranted by environmental incidents or concerns.

**Current legislation or rule:** California Health and Safety Code, Division 102, Part 2, Chapter 1, Sections 103825-103855, effective 1982, recodified 1996

**Legislation year enacted:** 1982

#### Case Definition

**Pregnancy outcome:** Livebirths (All gestational ages and birth weights), Fetal deaths - stillbirths, spontaneous abortions, etc. (All gestational ages), Elective terminations (All gestational ages)

**Age:** One year

**Residence:** In-state births to residents of counties monitored by CBDMP

#### Surveillance Methods

**Case ascertainment:** Active Case Finding

**Delivery hospitals:** Disease index or discharge index, Discharge summaries, Obstetrics logs (i.e., labor & delivery), Regular nursery logs, ICU/NICU logs or charts, Pediatric logs, Postmortem/pathology logs, Surgery logs, Cardiac catheterization laboratories, Specialty outpatient clinics

**Pediatric & tertiary care hospitals:** Disease index or discharge index, Discharge summaries, ICU/NICU logs or charts, Pediatric logs, Postmortem/pathology logs, Surgery logs, Laboratory logs, Cardiac catheterization laboratories

**Other specialty facilities:** Cytogenetic laboratories, Genetic counseling/clinical genetic facilities

#### Case Ascertainment

**Conditions warranting chart review in newborn period:** Any chart with an ICD-9-CM code 740-759/ICD-10-CM code Q00-Q99, Any chart with a selected list of ICD-9-CM codes outside 740-759/ICD-10-CM codes outside Q00-Q99, Any chart with selected procedure codes, Any chart with selected defects or medical conditions (i.e. abnormal facies, congenital heart disease), All stillborn infants, All elective abortions, All neonatal deaths, All prenatally diagnosed or suspected cases

**Conditions warranting chart review beyond the newborn period:** Facial dysmorphism or abnormal facies, Failure to thrive, CNS condition (e.g. seizure), GI condition (e.g. intestinal blockage), GU condition (e.g. recurrent infections), Cardiovascular condition, All infant deaths (excluding prematurity), Ocular conditions, Any infant with a codable defect

**Coding:** CDC-modified BPA codes, further modified for use in CA

#### Data Collected

**Infant/fetus:** Identification information (name, address, date-of-birth, etc.), Demographic information (race/ethnicity, sex, etc.), Birth measurements (weight, gestation, Apgars, etc.), Tests and procedures, Infant complications, Birth defect diagnostic information

**Mother:** Identification information (name, address, date-of-birth, etc.), Demographic information (race/ethnicity, sex, etc.), Gravidity/parity, Illnesses/conditions

**Father:** Identification information (name, address, date-of-birth, etc.), Demographic information (race/ethnicity, sex, etc.), Family history

#### Data Collection Methods and Storage

**Data collection:** Electronic file/report filled out by staff at facility (laptop, web-based, etc.)

**Database collection and storage:** SQL server

#### Data Analysis

**Data analysis software:** SAS

**Quality assurance:** Validity checks, Re-abstraction of cases, Double-checking of assigned codes, Comparison/verification between multiple data sources, Clinical review, Timeliness

**Data use and analysis:** Routine statistical monitoring, Public health program evaluation, Baseline rates, Rates by demographic and other variables, Monitoring outbreaks and cluster investigations, Time trends, Time-space cluster analyses, Capture-recapture analyses, Observed vs. expected analyses, Epidemiological studies (using only program data), Identification of potential cases for other epidemiologic studies, Needs assessment, Grant proposals, Education/public awareness

#### System Integration

**System links:** Link to other state registries/databases, Link case finding data to final birth file, link registry to final vital records birth, fetal death, death and birth cohort files

#### Funding

**Funding source:** 100% Other (Fee-based Special Funds)

#### Other

**Web site:**

<https://www.cdph.ca.gov/Programs/CFH/DGDS/Pages/cbdmp/default.aspx>

**Surveillance reports on file:** California-specific birth defect data available: select defect-specific data sheets, annual surveillance report, and county-level estimates

**Additional information on file:** Please send inquiries to [gdspcbmdmp@cdph.ca.gov](mailto:gdspcbmdmp@cdph.ca.gov)

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