

## Arizona

### Arizona Birth Defects Monitoring Program (ABDMP)

**Purpose:** Surveillance, Referral to Services, Referral to Prevention/Intervention Services

**Partner:** Local Health Departments, Hospitals, Environmental Agencies/Organizations, Advocacy Groups, Universities, Community Nursing Services

**Program status:** Currently collecting data

**Start year:** 1986

**Earliest year of available data:** 1986

**Organizational location:** Department of Health (Public Health Statistics)

**Population covered annually:** 87,000

**Statewide:** Yes

**Current legislation or rule:** Legislation enacted 1988; Rule effective 1991 Statute: 36-133; Rule: Arizona Administrative Code R9-4-Article 5

**Legislation year enacted:** 1988

#### Case Definition

**Pregnancy outcome:** Livebirths (All gestational ages and birth weights), Fetal deaths - stillbirths, spontaneous abortions, etc. (Any gestational age or weight if a fetal death certificate was issued), Elective terminations (If fetal death certificate was issued and medical records are available)

**Age:** Up to one year after delivery. If the nature of a defect diagnosed in the first year of life is more precisely diagnosed later in the child's life, and this information is contained in the chart at the time of our review, then the more precise diagnosis and information is used.

**Residence:** Arizona birth to an Arizona resident mother

#### Surveillance Methods

**Case ascertainment:** Active Case Finding

**Vital records:** Birth certificates, Fetal birth certificate, Hospital Discharge Database

**Delivery hospitals:** Disease index or discharge index

**Pediatric & tertiary care hospitals:** Disease index or discharge index

**Other specialty facilities:** Prenatal diagnostic facilities (ultrasound, etc.), Cytogenetic laboratories, Genetic counseling/clinical genetic facilities

**Other sources:** Midwifery Facilities, Physician reports

#### 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 birth certificate with a birth defect box checked, Any chart with selected defects or medical conditions (i.e. abnormal facies, congenital heart disease), All stillborn infants, All prenatally diagnosed or suspected cases

**Conditions warranting chart review beyond the newborn period:** Any infant with a codable defect

**Coding:** CDC coding system based on BPA

#### 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, Birth defect diagnostic information

**Mother:** Identification information (name, address, date-of-birth, etc.), Demographic information (race/ethnicity, sex, etc.), Gravidity/parity, Illnesses/conditions, Prenatal care, Prenatal diagnostic information, Pregnancy/delivery complications, Family history

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

#### Data Collection Methods and Storage

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

**Database collection and storage:** Access, Oracle

#### Data Analysis

**Data analysis software:** SAS, Access

**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, Service delivery, Referral, Grant proposals, Education/public awareness, Prevention projects

#### System Integration

**System links:** Link to other state registries/databases, Link case finding data to final birth file, We have provided data to environmental programs for their pages and databases

#### Funding

**Funding source:** 3% General state funds, 9% MCH funds, 44% CDC grant

#### Other

**Web site:** <http://azdhs.gov/phs/phstats/bdr/index.htm> and [azhealth.gov/birth-defects](http://azhealth.gov/birth-defects)

**Surveillance reports on file:** Annual Reports;

**Additional information on file:** Arizona Data/Fact Sheets; Resources

**Other comments:** To contact the ABDMP email [abdmp@azdhs.gov](mailto:abdmp@azdhs.gov)

#### Contacts

**Dianna Contreras**

**Arizona Department of Health Services**

**150 North 18th Avenue, Suite 550**

**Phoenix, AZ 85007**

**Phone: 602-542-7335**

**Fax: 602-542-7447**

**Email: [dianna.contreras@azdhs.gov](mailto:dianna.contreras@azdhs.gov)**

Timothy J. Flood, MD

Arizona Department of Health Services

150 North 18th Avenue, Suite 550

Phoenix, AZ 85007

Phone: 602-542-7331

Fax: 602-542-7447

Email: [floodt@azdhs.gov](mailto:floodt@azdhs.gov)