Oregon Birth Anomalies Surveillance System (BASS)

**Purpose:** Surveillance

**Partner:** Local Health Departments, Hospitals, Environmental Agencies/Organizations, Advocacy Groups, Universities, Early Childhood Prevention Programs

**Program status:** Currently collecting data

**Start year:** 2013

**Earliest year of available data:** 2008

**Organizational location:** Department of Health (Maternal and Child Health)

**Population covered annually:** 44,000

**Statewide:** Yes

**Current legislation or rule:** None

**Case Definition**

**Outcomes covered:** NBDPN core, recommended, and extended anomalies for surveillance, plus microcephaly and congenital hearing loss cases.

**Pregnancy outcome:** Livebirths (All gestational ages and birth weights)

**Age:** 6 years and 0 months

**Residence:** Oregon resident births (in and out-of-state)

**Surveillance Methods**

**Case ascertainment:** Passive case-finding without case confirmation

**Vital records:** Birth certificates, Death certificates

**Other state based registries:** Newborn hearing screening program

**Delivery hospitals:** Hospital Discharge Data

**Pediatric & tertiary care hospitals:** Hospital Discharge Data

**Third party payers:** Medicaid databases

**Other sources:** Hospital Discharge Data

**Case Ascertainment**

**Coding:** ICD-9-CM/ICD-10-CM, ICD-10 for Death certificates

**Data Collected**

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

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

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

**Data Collection Methods and Storage**

**Data collection:** Administrative data sets sharing with data use agreements in place: Birth Certificate, Death Certificate, Hospital Discharge Data and Medicaid claims

**Database collection and storage:** Access, SQL/SPSS/FileMakerPro

**Data Analysis**

**Data analysis software:** SPSS, Access, Link Plus

**Quality assurance:** Validity checks, Double-checking of assigned codes, Comparison/verification between multiple data sources

**Data use and analysis:** Routine statistical monitoring, Baseline rates, Rates by demographic and other variables, Monitoring outbreaks and cluster investigations, Time trends, Grant proposals, Education/public awareness

**System Integration**

**System links:** Oregon Environmental Public Health Tracking System

**Funding**

**Funding source:** 100% MCH funds