

Oregon

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

Other

Web site:

<http://public.health.oregon.gov/HealthyPeopleFamilies/DataReports/Pages/birth-anomalies.aspx>

Contacts

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