

Colorado

Colorado Responds to Children with Special Needs Section (CRCSN)

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

Partner: Local Health Departments, Hospitals, Environmental Agencies/Organizations, Advocacy Groups, Universities, Community Nursing Services, Early Childhood Prevention Programs, Legislators

Program status: Currently collecting data

Start year: 1988

Earliest year of available data: 1989

Organizational location: Department of Health (Vital Statistics, Center for Health and Environmental Data (CHED))

Population covered annually: 61,496 (2020)

Statewide: Yes

Current legislation or rule: Colorado Revised Statutes (CRS) 25-1.5-101.25-1.5-105

Legislation year enacted: 1985

Case Definition

Outcomes covered: Structural birth defects, fetal alcohol syndrome, selected genetic and metabolic disorders; muscular dystrophy; selected developmental disabilities; very low birth weight (less than 1500 grams); others with medical risk factors for developmental delay.

Pregnancy outcome: Livebirths (All gestational ages and birth weights), Fetal deaths - stillbirths, spontaneous abortions, etc. (All gestational ages, Less than 20 weeks gestation, 20 weeks gestation and greater)

Age: Up to the 3rd birthday

Residence: Events occurring in-state- or out-of-state Colorado residents

Surveillance Methods

Case ascertainment: Passive case-finding with case confirmation

Vital records: Birth certificates, Death certificates, Fetal birth certificate

Other state based registries: Newborn hearing screening program, Newborn metabolic screening program

Delivery hospitals: Disease index or discharge index, Specialty outpatient clinics

Pediatric & tertiary care hospitals: Disease index or discharge index, Specialty outpatient clinics

Third party payers: Medicaid databases

Other specialty facilities: Cytogenetic laboratories

Other sources: Physician reports

Case Ascertainment

Conditions warranting chart review in newborn period: Any chart with selected defects or medical conditions (i.e. abnormal facies, congenital heart disease), Selected chart reviews for prenatal to age 3 (28 conditions), minimal active case ascertainment data sources

Coding: ICD-9-CM/ICD-10-CM, Program specific 'extended' code for added detail: 9CM and 10CM

Data Collected

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

Mother: Identification information (name, address, date-of-birth, etc.), Demographic information (race/ethnicity, sex, etc.), Gravidity/parity, 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: Electronic file/report filled out by staff at facility (laptop, web-based, etc.), Electronic file/report submitted by other agencies (hospitals, etc.), Electronic scanning of printed records, Administrative (electronic) data sets

Database collection and storage: SQL-web based

Data Analysis

Data analysis software: Epi-Info, SAS, Access, Arcview (GIS software); Mapmarker, Tableau

Quality assurance: Re-abstraction of cases, Comparison/verification between multiple data sources, Timeliness, Records linkage and de-duplication

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, Observed vs. expected analyses, Epidemiological studies (using only program data), Identification of potential cases for other epidemiologic studies, Needs assessment, Referral, Grant proposals, Education/public awareness, Prevention projects, Environmental Studies

System Integration

System links: Link to other state registries/databases, Link case finding data to final birth file, Link to environmental databases

Funding

Funding source: 50% General state funds, 50% Service fees

Other

Web site: <http://www.cdphe.state.co.us>

Contacts

Carol A Stanton, MBA

CO Dept Public Health - Environment: Colorado Respond to Children with Special Need

4300 Cherry Creek Drive, South

Denver, Colorado 80246-1530

Phone: 303-692-2621

Fax: 303-691-7945

Email: carol.stanton@state.co.us