

## New Mexico

### New Mexico Birth Defects Prevention and Surveillance System (NM BDPASS)

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

**Partner:** Hospitals

**Program status:** Currently collecting data

**Start year:** 1995

**Earliest year of available data:** 1995

**Organizational location:** Department of Health  
(Epidemiology/Environment)

**Population covered annually:** 23,000

**Statewide:** Yes

**Current legislation or rule:** In January 2000, birth defects became a reportable condition. These conditions must be reported to the New Mexico Department of Health's Epidemiology and Response Division. Specifically, the conditions must be reported to the Environmental Health Epidemiology Bureau.

**Legislation year enacted:** 2000

#### Case Definition

**Outcomes covered:** Since 2016, Q00-Q99 ICD-10 codes. Before that, 740.0-760.01 with emphasis on 12 birth defects that are nationally consistent data and measures for the Environmental Public Health Tracking Program.

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

**Age:** Birth through age 4

**Residence:** Births to New Mexico residents occurring in New Mexico.

#### Surveillance Methods

**Case ascertainment:** Passive case-finding with case confirmation for selected defects

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

**Delivery hospitals:** Birthing hospital reports

**Pediatric & tertiary care hospitals:** specialty outpatient clinics, including neurosurgery, plastic surgery, pediatric surgical specialists, prenatal diagnostic providers

**Third party payers:** Children's Medical Services

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

#### Case Ascertainment

**Conditions warranting chart review in newborn period:** Cardiovascular conditions, renal agenesis/hypoplasia bilateral

**Conditions warranting chart review beyond the newborn period:** Cardiovascular condition

**Coding:** CDC coding system based on BPA, ICD-9-CM/ICD-10-CM

#### 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.), Pregnancy/delivery complications, Family history

**Father:** Identification information (name, address, date-of-birth, 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.)

**Database collection and storage:** Stata and SAS

#### Data Analysis

**Data analysis software:** SAS, Stata version 13.1

**Quality assurance:** Comparison/verification between multiple data sources

**Data use and analysis:** Routine statistical monitoring, Rates by demographic and other variables, Service delivery, Referral

#### Funding

**Funding source:** 100% CDC grant

#### Other

**Web site:**

<https://nmtracking.org/epht-view/health/reproductive/BirthDefects.html>

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## **DATA TABLES**

**New Mexico**  
**Birth Defects Counts and Prevalence 2014 - 2018 (Prevalence per 10,000 Live Births)**

Defect	Maternal Race/Ethnicity					Total*	Notes
	White, Non-Hispanic	Black, Non-Hispanic	Hispanic	Asian or Pacific Islander, Non-Hispanic	American Indian or Alaska Native, Non-Hispanic		
Anencephalus	2 <i>0.6</i>	0 <i>0.0</i>	4 <i>0.6</i>	0 <i>0.0</i>	2 <i>1.3</i>	8 <i>0.7</i>	
Anophthalmia/microphthalmia	4 <i>1.6</i>	1 <i>5.5</i>	6 <i>1.2</i>	0 <i>0.0</i>	1 <i>0.9</i>	12 <i>1.3</i>	1
Anotia/microtia	4 <i>1.6</i>	0 <i>0.0</i>	30 <i>6.1</i>	0 <i>0.0</i>	10 <i>8.8</i>	44 <i>4.9</i>	1
Aortic valve stenosis	4 <i>1.6</i>	0 <i>0.0</i>	1 <i>0.2</i>	0 <i>0.0</i>	1 <i>0.9</i>	6 <i>0.7</i>	1
Atrial septal defect	664 <i>264.0</i>	62 <i>343.1</i>	1,330 <i>270.2</i>	53 <i>264.5</i>	353 <i>312.1</i>	2,462 <i>274.3</i>	1
Atrioventricular septal defect (Endocardial cushion defect)	10 <i>4.0</i>	1 <i>5.5</i>	18 <i>3.7</i>	0 <i>0.0</i>	8 <i>7.1</i>	37 <i>4.1</i>	1
Biliary atresia	5 <i>2.0</i>	1 <i>5.5</i>	18 <i>3.7</i>	0 <i>0.0</i>	7 <i>6.2</i>	31 <i>3.5</i>	1
Bladder exstrophy	2 <i>0.8</i>	1 <i>5.5</i>	0 <i>0.0</i>	0 <i>0.0</i>	0 <i>0.0</i>	3 <i>0.3</i>	1
Choanal atresia	4 <i>1.6</i>	0 <i>0.0</i>	5 <i>1.0</i>	0 <i>0.0</i>	1 <i>0.9</i>	10 <i>1.1</i>	1
Cleft lip alone	17 <i>5.3</i>	0 <i>0.0</i>	23 <i>3.7</i>	1 <i>3.9</i>	11 <i>7.4</i>	52 <i>4.6</i>	
Cleft lip with cleft palate	25 <i>7.8</i>	1 <i>4.1</i>	49 <i>7.9</i>	1 <i>3.9</i>	22 <i>14.8</i>	98 <i>8.6</i>	
Cleft palate alone	27 <i>8.5</i>	4 <i>16.6</i>	47 <i>7.6</i>	2 <i>7.7</i>	19 <i>12.8</i>	99 <i>8.7</i>	
Cloacal exstrophy	4 <i>1.6</i>	1 <i>5.5</i>	4 <i>0.8</i>	0 <i>0.0</i>	4 <i>3.5</i>	13 <i>1.4</i>	1
Clubfoot	56 <i>22.3</i>	6 <i>33.2</i>	119 <i>24.2</i>	2 <i>10.0</i>	19 <i>16.8</i>	202 <i>22.5</i>	1
Coarctation of the aorta	17 <i>6.8</i>	0 <i>0.0</i>	46 <i>9.3</i>	1 <i>5.0</i>	9 <i>8.0</i>	73 <i>8.1</i>	1
Common truncus (truncus arteriosus)	0 <i>0.0</i>	0 <i>0.0</i>	4 <i>0.6</i>	0 <i>0.0</i>	0 <i>0.0</i>	4 <i>0.4</i>	
Congenital cataract	0 <i>0.0</i>	0 <i>0.0</i>	1 <i>0.2</i>	0 <i>0.0</i>	3 <i>2.7</i>	4 <i>0.4</i>	1
Congenital posterior urethral valves	5 <i>3.9</i>	1 <i>10.9</i>	7 <i>2.8</i>	0 <i>0.0</i>	1 <i>1.8</i>	14 <i>3.1</i>	2
Craniosynostosis	46 <i>18.3</i>	2 <i>11.1</i>	108 <i>21.9</i>	3 <i>15.0</i>	30 <i>26.5</i>	190 <i>21.2</i>	1
Deletion 22q11.2	0 <i>0.0</i>	1 <i>5.5</i>	8 <i>1.6</i>	1 <i>5.0</i>	3 <i>2.7</i>	13 <i>1.4</i>	1
Diaphragmatic hernia	15 <i>6.0</i>	2 <i>11.1</i>	19 <i>3.9</i>	0 <i>0.0</i>	9 <i>8.0</i>	45 <i>5.0</i>	1
Double outlet right ventricle	8 <i>3.2</i>	0 <i>0.0</i>	13 <i>2.6</i>	0 <i>0.0</i>	5 <i>4.4</i>	26 <i>2.9</i>	1
Ebstein anomaly	0 <i>0.0</i>	0 <i>0.0</i>	4 <i>0.8</i>	0 <i>0.0</i>	2 <i>1.8</i>	6 <i>0.7</i>	1
Encephalocele	1 <i>0.4</i>	0 <i>0.0</i>	3 <i>0.6</i>	0 <i>0.0</i>	5 <i>4.4</i>	9 <i>1.0</i>	1
Esophageal atresia/tracheoesophageal fistula	8 <i>3.2</i>	0 <i>0.0</i>	15 <i>3.0</i>	0 <i>0.0</i>	5 <i>4.4</i>	28 <i>3.1</i>	1
Gastroschisis	19 <i>6.0</i>	0 <i>0.0</i>	40 <i>6.5</i>	0 <i>0.0</i>	24 <i>16.2</i>	83 <i>7.3</i>	
Holoprosencephaly	5 <i>2.0</i>	2 <i>11.1</i>	13 <i>2.6</i>	0 <i>0.0</i>	7 <i>6.2</i>	27 <i>3.0</i>	1
Hypoplastic left heart syndrome	2 <i>0.6</i>	1 <i>4.1</i>	9 <i>1.5</i>	1 <i>3.9</i>	4 <i>2.7</i>	17 <i>1.5</i>	
Hypospadias	107 <i>65.4</i>	7 <i>57.2</i>	141 <i>44.8</i>	6 <i>43.8</i>	9 <i>12.0</i>	271 <i>46.5</i>	3
Interrupted aortic arch	8 <i>3.2</i>	0 <i>0.0</i>	15 <i>3.0</i>	0 <i>0.0</i>	1 <i>0.9</i>	24 <i>2.7</i>	1

**New Mexico**  
**Birth Defects Counts and Prevalence 2014 - 2018 (Prevalence per 10,000 Live Births)**

Defect	Maternal Race/Ethnicity					Total*	Notes
	White, Non-Hispanic	Black, Non-Hispanic	Hispanic	Asian or Pacific Islander, Non-Hispanic	American Alaska Native, Non-Hispanic		
Limb deficiencies (reduction defects)	20 <i>6.3</i>	0 <i>0.0</i>	37 <i>6.0</i>	2 <i>7.7</i>	6 <i>4.0</i>	65 <i>5.7</i>	
Omphalocele	0 <i>0.0</i>	3 <i>16.6</i>	8 <i>1.6</i>	0 <i>0.0</i>	3 <i>2.7</i>	14 <i>1.6</i>	1
Pulmonary valve atresia and stenosis	22 <i>8.7</i>	3 <i>16.6</i>	42 <i>8.5</i>	1 <i>5.0</i>	11 <i>9.7</i>	79 <i>8.8</i>	1
Pulmonary valve atresia	4 <i>1.6</i>	0 <i>0.0</i>	5 <i>1.0</i>	0 <i>0.0</i>	4 <i>3.5</i>	13 <i>1.4</i>	1
Rectal and large intestinal atresia/stenosis	6 <i>2.4</i>	1 <i>5.5</i>	20 <i>4.1</i>	1 <i>5.0</i>	5 <i>4.4</i>	33 <i>3.7</i>	1
Renal agenesis/hypoplasia	24 <i>7.5</i>	4 <i>16.6</i>	33 <i>5.3</i>	2 <i>7.7</i>	11 <i>7.4</i>	74 <i>6.5</i>	
Single ventricle	3 <i>1.2</i>	1 <i>5.5</i>	3 <i>0.6</i>	0 <i>0.0</i>	2 <i>1.8</i>	9 <i>1.0</i>	1
Small intestinal atresia/stenosis	12 <i>4.8</i>	0 <i>0.0</i>	18 <i>3.7</i>	0 <i>0.0</i>	6 <i>5.3</i>	36 <i>4.0</i>	1
Spina bifida without anencephalus	9 <i>2.8</i>	0 <i>0.0</i>	22 <i>3.5</i>	0 <i>0.0</i>	5 <i>3.4</i>	37 <i>3.2</i>	
Tetralogy of Fallot	2 <i>0.6</i>	0 <i>0.0</i>	20 <i>3.2</i>	1 <i>3.9</i>	7 <i>4.7</i>	30 <i>2.6</i>	
Total anomalous pulmonary venous connection	2 <i>0.8</i>	0 <i>0.0</i>	2 <i>0.4</i>	0 <i>0.0</i>	4 <i>3.5</i>	8 <i>0.9</i>	1
Transposition of the great arteries (TGA)	5 <i>1.6</i>	0 <i>0.0</i>	10 <i>1.6</i>	0 <i>0.0</i>	2 <i>1.3</i>	17 <i>1.5</i>	
Dextro-transposition of great arteries (d-TGA)	3 <i>1.2</i>	0 <i>0.0</i>	9 <i>1.8</i>	0 <i>0.0</i>	1 <i>0.9</i>	13 <i>1.4</i>	1
Tricuspid valve atresia and stenosis	1 <i>0.4</i>	0 <i>0.0</i>	7 <i>1.4</i>	0 <i>0.0</i>	2 <i>1.8</i>	10 <i>1.1</i>	1
Trisomy 13	1 <i>0.3</i>	0 <i>0.0</i>	5 <i>0.8</i>	1 <i>3.9</i>	3 <i>2.0</i>	10 <i>0.9</i>	
Trisomy 18	6 <i>1.9</i>	0 <i>0.0</i>	6 <i>1.0</i>	3 <i>11.6</i>	3 <i>2.0</i>	18 <i>1.6</i>	
Trisomy 21 (Down syndrome)	37 <i>11.6</i>	5 <i>20.7</i>	87 <i>14.0</i>	2 <i>7.7</i>	25 <i>16.9</i>	157 <i>13.7</i>	
Turner syndrome	4 <i>3.3</i>	0 <i>0.0</i>	7 <i>2.9</i>	1 <i>10.5</i>	3 <i>5.4</i>	15 <i>3.4</i>	4
Ventricular septal defect	137 <i>54.5</i>	10 <i>55.3</i>	297 <i>60.3</i>	15 <i>74.9</i>	106 <i>93.7</i>	565 <i>63.0</i>	1
<b>Total live births</b>	<b>31,927</b>	<b>2,410</b>	<b>62,005</b>	<b>2,596</b>	<b>14,827</b>	<b>114,267</b>	
<b>Male live births</b>	<b>16,364</b>	<b>1,224</b>	<b>31,494</b>	<b>1,370</b>	<b>7,497</b>	<b>58,242</b>	
<b>Female live births</b>	<b>12,279</b>	<b>889</b>	<b>24,169</b>	<b>948</b>	<b>5,604</b>	<b>44,000</b>	

**New Mexico**  
**Birth Defects Counts and Prevalence 2014 - 2018 (Prevalence per 10,000 Live Births)**

Defect	Maternal Age (Years)		Total*	Notes
	Less than 35	35+		
Gastroschisis	83	0	83	
	<i>8.3</i>	<i>0.0</i>	<i>7.3</i>	
Trisomy 13	5	4	10	
	<i>0.5</i>	<i>2.8</i>	<i>0.9</i>	
Trisomy 18	7	8	18	
	<i>0.7</i>	<i>5.5</i>	<i>1.6</i>	
Trisomy 21 (Down syndrome)	92	62	157	
	<i>9.2</i>	<i>42.7</i>	<i>13.7</i>	
<b>Total live births</b>	<b>99,745</b>	<b>14,522</b>	<b>114,267</b>	

**Notes**

1. Data for this condition begin in 2015.
2. Data for this condition begin in 2015. Data for this condition include male and unknown gender cases only. Prevalence is calculated per 10,000 male live births.
3. Data for this condition include male and unknown gender cases only. Prevalence is calculated per 10,000 male live births.
4. Data for this condition begin in 2015. Data for this condition include female and unknown gender cases only. Prevalence is calculated per 10,000 female live births.

**General comments**

\*Data for totals include unknown and/or other.

-Data for conditions from 2016-2018 are provisional.