

Texas Birth Defects Registry (TBDR) Annual Report
Table 1. Overall Prevalence of Selected Birth Defects, Texas, 1999–2023

Birth Defect	Cases (count)	Prevalence (rate)	Confidence Interval (95% for Prevalence)
<i>Central Nervous System</i>			
Anencephaly	2,340	2.44	2.34 – 2.54
Spina bifida (without anencephaly)	3,587	3.74	3.62 – 3.86
Encephalocele	949	0.99	0.93 – 1.05
Microcephaly (severe, head circ. <3rd percentile)	5,281	5.50	5.35 – 5.65
Holoprosencephaly	984	1.03	0.96 – 1.09
Hydrocephaly (without spina bifida)	8,024	8.36	8.18 – 8.54
<i>Eye & Ear</i>			
Anophthalmia or Microphthalmia	2,844	2.96	2.85 – 3.07
Cataract	1,917	2.00	1.91 – 2.09
Anotia or Microtia	3,609	3.76	3.64 – 3.88
<i>Cardiovascular</i>			
Common truncus	751	0.78	0.73 – 0.84
Transposition of the great vessels	3,184	3.32	3.20 – 3.43
Double outlet right ventricle	2,315	2.41	2.31 – 2.51
Tetralogy of Fallot	3,890	4.05	3.93 – 4.18
Ventricular septal defect	60,876	63.44	62.93 – 63.94
Atrial septal defect	72,313	75.35	74.80 – 75.90
Atrioventricular septal defect	4,286	4.47	4.33 – 4.60
Pulmonary valve atresia or stenosis	9,878	10.29	10.09 – 10.50
Tricuspid valve atresia or stenosis	1,894	1.97	1.88 – 2.06
Ebstein anomaly	734	0.76	0.71 – 0.82
Aortic valve stenosis	2,345	2.44	2.34 – 2.54
Hypoplastic left heart syndrome	2,131	2.22	2.13 – 2.31
Patent ductus arteriosus	52,793	55.01	54.54 – 55.48
Coarctation of the aorta	5,114	5.33	5.18 – 5.48
<i>Respiratory</i>			
Choanal atresia or stenosis	1,248	1.30	1.23 – 1.37
Agenesis, aplasia, or hypoplasia of the lung	2,766	2.88	2.77 – 2.99
<i>Orofacial</i>			
Cleft palate alone (without cleft lip)	5,707	5.95	5.79 – 6.10
Cleft lip alone (without cleft palate)	3,225	3.36	3.24 – 3.48
Cleft lip with cleft palate	7,094	7.39	7.22 – 7.56
<i>Gastrointestinal</i>			
Esophageal atresia/tracheoesophageal fistula	2,129	2.22	2.12 – 2.31
Pyloric stenosis	15,130	15.77	15.52 – 16.02
Stenosis or atresia of the small intestine	3,375	3.52	3.40 – 3.64
Stenosis or atresia of large intestine, rectum, anal canal	5,134	5.35	5.20 – 5.50
Hirschsprung disease	1,397	1.46	1.38 – 1.53
Biliary atresia	675	0.70	0.65 – 0.76
<i>Genitourinary</i>			
Hypospadias (among males)	30,894	62.99	62.29 – 63.70
Renal agenesis or dysgenesis	6,450	6.72	6.56 – 6.89
Bladder exstrophy	175	0.18	0.16 – 0.21

Birth Defect	Cases (count)	Prevalence (rate)	Confidence Interval (95% for Prevalence)
<i>Musculoskeletal</i>			
Congenital hip dislocation (without hip dysplasia)	2,296	2.39	2.29 – 2.49
Talipes equinovarus (clubfoot)	16,501	17.19	16.93 – 17.46
Reduction defects of the upper limbs	3,991	4.16	4.03 – 4.29
Reduction defects of the lower limbs	1,910	1.99	1.90 – 2.08
Craniosynostosis	5,530	5.76	5.61 – 5.91
Achondroplasia	358	0.37	0.33 – 0.41
Diaphragmatic hernia	2,759	2.88	2.77 – 2.98
Omphalocele	2,086	2.17	2.08 – 2.27
Gastroschisis	4,807	5.01	4.87 – 5.15
<i>Chromosomal</i>			
Down syndrome (trisomy 21)	13,443	14.01	13.77 – 14.25
Patau syndrome (trisomy 13)	1,098	1.14	1.08 – 1.21
Edwards syndrome (trisomy 18)	2,362	2.46	2.36 – 2.56
<i>Infants & fetuses with regular reportable birth defects</i>	<i>479,126</i>	<i>499.28</i>	<i>497.86 – 500.69</i>

Prevalence (rate) is expressed as the number of cases per 10,000 live births.

Please see the Methods section of the Annual Report for additional information:

<https://www.dshs.texas.gov/sites/default/files/birthdefects/annualreport/methods.pdf>

A visualization of these data is available at the following link:

<https://tabexternal.dshs.texas.gov/t/BirthDefects/views/TBDRAnnualReport1999-2023/OverallPrevalence?:embed=y>

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