

Texas Birth Defects Registry (TBDR) Annual Report
Table 1. Overall Prevalence of Selected Birth Defects, Texas, 1999–2021

Birth Defect (Body System)	Cases (count)	Prevalence (rate)	Confidence Interval (95% for Prevalence)
Central Nervous System			
Anencephaly	2,168	2.46	2.35 – 2.56
Spina bifida (without anencephaly)	3,275	3.71	3.59 – 3.84
Encephalocele	854	0.97	0.90 – 1.03
Microcephaly, severe (head circ. <3 rd percentile)	4,572	5.18	5.03 – 5.33
Holoprosencephaly	920	1.04	0.98 – 1.11
Hydrocephaly (without spina bifida)	7,174	8.14	7.95 – 8.32
Eye and Ear			
Anophthalmia	256	0.29	0.25 – 0.33
Microphthalmia	2,391	2.71	2.60 – 2.82
Cataract	1,722	1.95	1.86 – 2.04
Anotia or microtia	3,183	3.61	3.48 – 3.73
Cardiac and Circulatory			
Common truncus	672	0.76	0.70 – 0.82
Transposition of the great vessels	2,939	3.33	3.21 – 3.45
Double outlet right ventricle	2,047	2.32	2.22 – 2.42
Tetralogy of Fallot	3,485	3.95	3.82 – 4.08
Ventricular septal defect	54,425	61.72	61.20 – 62.24
Atrial septal defect	63,768	72.31	71.75 – 72.87
Atrioventricular septal defect (endocardial cushion defect)	3,851	4.37	4.23 – 4.50
Pulmonary valve atresia or stenosis	8,809	9.99	9.78 – 10.20
Tricuspid valve atresia or stenosis	1,685	1.91	1.82 – 2.00
Ebstein anomaly	676	0.77	0.71 – 0.82
Aortic valve stenosis	2,130	2.42	2.31 – 2.52
Hypoplastic left heart syndrome	1,963	2.23	2.13 – 2.32
Patent ductus arteriosus	50,326	57.07	56.57 – 57.57
Coarctation of the aorta	4,694	5.32	5.17 – 5.48
Respiratory			
Choanal atresia or stenosis	1,141	1.29	1.22 – 1.37
Agenesis, aplasia, or hypoplasia of the lung	2,589	2.94	2.82 – 3.05
Oral Clefts			
Cleft palate alone (without cleft lip)	5,251	5.95	5.79 – 6.12
Cleft lip (with or without cleft palate)	9,475	10.74	10.53 – 10.96
Gastrointestinal			
Tracheoesophageal fistula/esophageal atresia	1,944	2.20	2.11 – 2.30
Pyloric stenosis	14,006	15.88	15.62 – 16.15
Stenosis or atresia of the small intestine	3,032	3.44	3.32 – 3.56
Stenosis or atresia of large intestine, rectum, anal canal	4,702	5.33	5.18 – 5.48
Hirschsprung disease	1,268	1.44	1.36 – 1.52
Biliary atresia	623	0.71	0.65 – 0.76
Genitourinary			
Hypospadias (among males)	28,116	62.38	61.65 – 63.11
Renal agenesis or dysgenesis	5,782	6.56	6.39 – 6.73
Bladder exstrophy	155	0.18	0.15 – 0.20

Birth Defect (Body System)	Cases (count)	Prevalence (rate)	Confidence Interval (95% for Prevalence)
Musculoskeletal			
Congenital hip dislocation (without hip dysplasia)	2,174	2.47	2.36 – 2.57
Talipes equinovarus (clubfoot)	14,784	16.76	16.49 – 17.03
Reduction defects of the upper limbs	3,657	4.15	4.01 – 4.28
Reduction defects of the lower limbs	1,744	1.98	1.88 – 2.07
Craniosynostosis	4,989	5.66	5.50 – 5.81
Achondroplasia	322	0.37	0.33 – 0.41
Diaphragmatic hernia	2,489	2.82	2.71 – 2.93
Omphalocele	1,910	2.17	2.07 – 2.26
Gastroschisis	4,484	5.08	4.94 – 5.23
Chromosomal			
Trisomy 21 (Down syndrome)	12,274	13.92	13.67 – 14.16
Trisomy 13 (Patau syndrome)	1,011	1.15	1.08 – 1.22
Trisomy 18 (Edwards syndrome)	2,200	2.49	2.39 – 2.60
Infants & fetuses with regular reportable birth defects	447,222	507.14	505.65 – 508.63

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/1999-2021-TBDR-Methods.pdf>

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