

Texas Birth Defects Registry (TBDR) Annual Report

Table 5. Prevalence of Selected Birth Defects by Infant/Fetal Sex, Texas, 1999–2022

Birth Defect	Infant/ Fetal Sex	Cases (count)	Prevalence (rate)	Confidence Interval (95% for Prevalence)
Central Nervous System				
Anencephaly*	Male	953	2.02	1.90 – 2.15
	Female	1,129	2.51	2.36 – 2.65
Spina bifida (without anencephaly)*	Male	1,676	3.56	3.39 – 3.73
	Female	1,715	3.81	3.63 – 3.99
Encephalocele*	Male	420	0.89	0.81 – 0.98
	Female	467	1.04	0.94 – 1.13
Microcephaly (severe, head circumference <3rd percentile)*	Male	2,172	4.62	4.42 – 4.81
	Female	2,739	6.08	5.86 – 6.31
Holoprosencephaly*	Male	395	0.84	0.76 – 0.92
	Female	542	1.20	1.10 – 1.31
Hydrocephaly (without spina bifida)*	Male	4,282	9.10	8.83 – 9.37
	Female	3,297	7.32	7.07 – 7.57
Eye & Ear				
Anophthalmia or Microphthalmia*	Male	1,278	2.72	2.57 – 2.86
	Female	1,448	3.22	3.05 – 3.38
Cataract	Male	924	1.96	1.84 – 2.09
	Female	893	1.98	1.85 – 2.11
Anotia or Microtia*	Male	1,914	4.07	3.88 – 4.25
	Female	1,462	3.25	3.08 – 3.41
Cardiovascular				
Common truncus	Male	352	0.75	0.67 – 0.83
	Female	356	0.79	0.71 – 0.87
Transposition of the great vessels*	Male	2,015	4.28	4.09 – 4.47
	Female	1,056	2.35	2.20 – 2.49
Double outlet right ventricle*	Male	1,255	2.67	2.52 – 2.81
	Female	925	2.05	1.92 – 2.19
Tetralogy of Fallot*	Male	2,007	4.26	4.08 – 4.45
	Female	1,663	3.69	3.52 – 3.87
Ventricular septal defect*	Male	26,168	55.60	54.93 – 56.28
	Female	31,382	69.71	68.93 – 70.48
Atrial septal defect*	Male	34,083	72.42	71.65 – 73.19
	Female	33,822	75.13	74.32 – 75.93
Atrioventricular septal defect (endocardial cushion defect)*	Male	1,938	4.12	3.93 – 4.30
	Female	2,123	4.72	4.52 – 4.92
Pulmonary valve atresia or stenosis*	Male	4,305	9.15	8.87 – 9.42
	Female	5,020	11.15	10.84 – 11.46
Tricuspid valve atresia or stenosis	Male	953	2.02	1.90 – 2.15
	Female	832	1.85	1.72 – 1.97
Ebstein anomaly	Male	363	0.77	0.69 – 0.85
	Female	345	0.77	0.69 – 0.85
Aortic valve stenosis*	Male	1,395	2.96	2.81 – 3.12
	Female	843	1.87	1.75 – 2.00

Birth Defect	Infant/ Fetal Sex	Cases (count)	Prevalence (rate)	Confidence Interval (95% for Prevalence)
Hypoplastic left heart syndrome*	Male	1,244	2.64	2.50 – 2.79
	Female	813	1.81	1.68 – 1.93
Patent ductus arteriosus	Male	26,323	55.93	55.26 – 56.61
	Female	25,146	55.85	55.16 – 56.54
Coarctation of the aorta*	Male	2,853	6.06	5.84 – 6.28
	Female	2,047	4.55	4.35 – 4.74
Respiratory				
Choanal atresia or stenosis	Male	599	1.27	1.17 – 1.37
	Female	590	1.31	1.20 – 1.42
Agenesis, aplasia, or hypoplasia of the lung*	Male	1,489	3.16	3.00 – 3.32
	Female	1,149	2.55	2.40 – 2.70
Orofacial				
Cleft palate alone (without cleft lip)*	Male	2,456	5.22	5.01 – 5.43
	Female	3,000	6.66	6.43 – 6.90
Cleft lip with or without cleft palate*	Male	5,936	12.61	12.29 – 12.93
	Female	3,910	8.68	8.41 – 8.96
Gastrointestinal				
Tracheoesophageal fistula/esophageal atresia	Male	1,065	2.26	2.13 – 2.40
	Female	950	2.11	1.98 – 2.24
Pyloric stenosis*	Male	12,029	25.56	25.10 – 26.02
	Female	2,483	5.52	5.30 – 5.73
Stenosis or atresia of the small intestine*	Male	1,553	3.30	3.14 – 3.46
	Female	1,633	3.63	3.45 – 3.80
Stenosis or atresia of large intestine, rectum, anal canal*	Male	2,688	5.71	5.50 – 5.93
	Female	2,161	4.80	4.60 – 5.00
Hirschsprung disease*	Male	1,017	2.16	2.03 – 2.29
	Female	310	0.69	0.61 – 0.77
Biliary atresia*	Male	266	0.57	0.50 – 0.63
	Female	382	0.85	0.76 – 0.93
Genitourinary				
Hypospadias (among males)*	Male	29,485	62.65	61.94 – 63.37
	Female	--	--	-- --
Renal agenesis or dysgenesis*	Male	3,568	7.58	7.33 – 7.83
	Female	2,524	5.61	5.39 – 5.83
Bladder exstrophy	Male	87	0.18	0.15 – 0.23
	Female	76	0.17	0.13 – 0.21
Musculoskeletal				
Congenital hip dislocation (without hip dysplasia)*	Male	684	1.45	1.34 – 1.56
	Female	1,548	3.44	3.27 – 3.61
Talipes equinovarus (clubfoot)*	Male	9,505	20.20	19.79 – 20.60
	Female	6,063	13.47	13.13 – 13.81
Reduction defects of the upper limbs*	Male	2,065	4.39	4.20 – 4.58
	Female	1,711	3.80	3.62 – 3.98
Reduction defects of the lower limbs*	Male	962	2.04	1.91 – 2.17
	Female	824	1.83	1.71 – 1.96
Craniosynostosis*	Male	3,423	7.27	7.03 – 7.52
	Female	1,857	4.12	3.94 – 4.31

Birth Defect	Infant/ Fetal Sex	Cases (count)	Prevalence (rate)	Confidence Interval (95% for Prevalence)
Achondroplasia	Male	165	0.35	0.30 – 0.40
	Female	172	0.38	0.32 – 0.44
Diaphragmatic hernia*	Male	1,483	3.15	2.99 – 3.31
	Female	1,132	2.51	2.37 – 2.66
Omphalocele*	Male	1,092	2.32	2.18 – 2.46
	Female	851	1.89	1.76 – 2.02
Gastroschisis	Male	2,400	5.10	4.90 – 5.30
	Female	2,210	4.91	4.70 – 5.11
Chromosomal				
Down syndrome (trisomy 21)*	Male	6,813	14.48	14.13 – 14.82
	Female	5,921	13.15	12.82 – 13.49
Patau syndrome (trisomy 13)	Male	534	1.13	1.04 – 1.23
	Female	494	1.10	1.00 – 1.19
Edwards syndrome (trisomy 18)*	Male	962	2.04	1.91 – 2.17
	Female	1,262	2.80	2.65 – 2.96
Infants & fetuses with regular reportable birth defects*	Male	283,465	602.32	600.10 – 604.54
	Female	192,117	426.73	424.82 – 428.64

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

*Statistically significant difference in prevalence between sexes [$p < 0.05$].

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

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

Prepared by: Texas Birth Defects Registry, Birth Defects Epidemiology and Surveillance Branch, Texas Department of State Health Services, September 2025.