

Texas Birth Defects Registry (TBDR) Annual Report
Table R1. Overall Prevalence of Selected Birth Defects, Region 1, 1999–2022

Birth Defect	Cases (count)	Prevalence (rate)	Confidence Interval (95% for Prevalence)
Central Nervous System			
Anencephaly	57	1.93	1.46 – 2.50
Spina bifida (without anencephaly)	107	3.62	2.94 – 4.31
Encephalocele	32	1.08	0.74 – 1.53
Microcephaly (severe, head circ. <3rd percentile)	114	3.86	3.15 – 4.57
Holoprosencephaly	40	1.35	0.97 – 1.84
Hydrocephaly (without spina bifida)	251	8.50	7.45 – 9.55
Eye & Ear			
Anophthalmia or Microphthalmia	84	2.84	2.27 – 3.52
Cataract	52	1.76	1.32 – 2.31
Anotia or Microtia	116	3.93	3.21 – 4.64
Cardiovascular			
Common truncus	22	0.75	0.47 – 1.13
Transposition of the great vessels	96	3.25	2.63 – 3.97
Double outlet right ventricle	69	2.34	1.82 – 2.96
Tetralogy of Fallot	113	3.83	3.12 – 4.53
Ventricular septal defect	1,792	60.69	57.88 – 63.50
Atrial septal defect	2,960	100.24	96.63 – 103.85
Atrioventricular septal defect (endocardial cushion defect)	145	4.91	4.11 – 5.71
Pulmonary valve atresia or stenosis	223	7.55	6.56 – 8.54
Tricuspid valve atresia or stenosis	71	2.40	1.88 – 3.03
Ebstein anomaly	24	0.81	0.52 – 1.21
Aortic valve stenosis	59	2.00	1.52 – 2.58
Hypoplastic left heart syndrome	73	2.47	1.94 – 3.11
Patent ductus arteriosus	2,011	68.10	65.13 – 71.08
Coarctation of the aorta	200	6.77	5.83 – 7.71
Respiratory			
Choanal atresia or stenosis	35	1.19	0.83 – 1.65
Agenesis, aplasia, or hypoplasia of the lung	61	2.07	1.58 – 2.65
Orofacial			
Cleft palate alone (without cleft lip)	178	6.03	5.14 – 6.91
Cleft lip with or without cleft palate	399	13.51	12.19 – 14.84
Gastrointestinal			
Tracheoesophageal fistula/esophageal atresia	70	2.37	1.85 – 3.00
Pyloric stenosis	491	16.63	15.16 – 18.10
Stenosis or atresia of the small intestine	112	3.79	3.09 – 4.50
Stenosis or atresia of large intestine, rectum, anal canal	165	5.59	4.74 – 6.44
Hirschsprung disease	39	1.32	0.94 – 1.81
Biliary atresia	23	0.78	0.49 – 1.17
Genitourinary			
Hypospadias (among males)	857	56.88	53.07 – 60.69
Renal agenesis or dysgenesis	223	7.55	6.56 – 8.54
Bladder exstrophy	2	0.07	0.01 – 0.24

Birth Defect	Cases (count)	Prevalence (rate)	Confidence Interval (95% for Prevalence)
Musculoskeletal			
Congenital hip dislocation (without hip dysplasia)	65	2.20	1.70 – 2.81
Talipes equinovarus (clubfoot)	652	22.08	20.39 – 23.78
Reduction defects of the upper limbs	136	4.61	3.83 – 5.38
Reduction defects of the lower limbs	75	2.54	2.00 – 3.18
Craniosynostosis	207	7.01	6.06 – 7.97
Achondroplasia	16	0.54	0.31 – 0.88
Diaphragmatic hernia	91	3.08	2.48 – 3.78
Omphalocele	47	1.59	1.17 – 2.12
Gastroschisis	188	6.37	5.46 – 7.28
Chromosomal			
Down syndrome (trisomy 21)	356	12.06	10.80 – 13.31
Patau syndrome (trisomy 13)	34	1.15	0.80 – 1.61
Edwards syndrome (trisomy 18)	57	1.93	1.46 – 2.50
Infants & fetuses with regular reportable birth defects	14,839	502.54	494.45 – 510.62

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>

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

Texas Birth Defects Registry (TBDR) Annual Report
Table R2. Overall Prevalence of Selected Birth Defects, Region 2, 1999–2022

Birth Defect	Cases (count)	Prevalence (rate)	Confidence Interval (95% for Prevalence)
Central Nervous System			
Anencephaly	45	2.65	1.93 – 3.55
Spina bifida (without anencephaly)	82	4.83	3.84 – 5.99
Encephalocele	17	1.00	0.58 – 1.60
Microcephaly (severe, head circ. <3rd percentile)	58	3.42	2.59 – 4.41
Holoprosencephaly	15	0.88	0.49 – 1.46
Hydrocephaly (without spina bifida)	129	7.60	6.29 – 8.91
Eye & Ear			
Anophthalmia or Microphthalmia	47	2.77	2.03 – 3.68
Cataract	30	1.77	1.19 – 2.52
Anotia or Microtia	55	3.24	2.44 – 4.22
Cardiovascular			
Common truncus	14	0.82	0.45 – 1.38
Transposition of the great vessels	64	3.77	2.90 – 4.81
Double outlet right ventricle	40	2.36	1.68 – 3.21
Tetralogy of Fallot	55	3.24	2.44 – 4.22
Ventricular septal defect	971	57.18	53.58 – 60.77
Atrial septal defect	1,538	90.56	86.04 – 95.09
Atrioventricular septal defect (endocardial cushion defect)	71	4.18	3.27 – 5.27
Pulmonary valve atresia or stenosis	166	9.77	8.29 – 11.26
Tricuspid valve atresia or stenosis	37	2.18	1.53 – 3.00
Ebstein anomaly	12	0.71	0.37 – 1.23
Aortic valve stenosis	46	2.71	1.98 – 3.61
Hypoplastic left heart syndrome	51	3.00	2.24 – 3.95
Patent ductus arteriosus	854	50.29	46.91 – 53.66
Coarctation of the aorta	89	5.24	4.21 – 6.45
Respiratory			
Choanal atresia or stenosis	18	1.06	0.63 – 1.68
Agenesis, aplasia, or hypoplasia of the lung	29	1.71	1.14 – 2.45
Orofacial			
Cleft palate alone (without cleft lip)	121	7.12	5.86 – 8.39
Cleft lip with or without cleft palate	227	13.37	11.63 – 15.11
Gastrointestinal			
Tracheoesophageal fistula/esophageal atresia	45	2.65	1.93 – 3.55
Pyloric stenosis	354	20.84	18.67 – 23.02
Stenosis or atresia of the small intestine	71	4.18	3.27 – 5.27
Stenosis or atresia of large intestine, rectum, anal canal	96	5.65	4.58 – 6.90
Hirschsprung disease	29	1.71	1.14 – 2.45
Biliary atresia	12	0.71	0.37 – 1.23
Genitourinary			
Hypospadias (among males)	524	60.20	55.05 – 65.36
Renal agenesis or dysgenesis	79	4.65	3.68 – 5.80
Bladder exstrophy	3	0.18	0.04 – 0.52

Birth Defect	Cases (count)	Prevalence (rate)	Confidence Interval (95% for Prevalence)
Musculoskeletal			
Congenital hip dislocation (without hip dysplasia)	37	2.18	1.53 – 3.00
Talipes equinovarus (clubfoot)	322	18.96	16.89 – 21.03
Reduction defects of the upper limbs	72	4.24	3.32 – 5.34
Reduction defects of the lower limbs	25	1.47	0.95 – 2.17
Craniosynostosis	127	7.48	6.18 – 8.78
Achondroplasia	9	0.53	0.24 – 1.01
Diaphragmatic hernia	57	3.36	2.54 – 4.35
Omphalocele	34	2.00	1.39 – 2.80
Gastroschisis	117	6.89	5.64 – 8.14
Chromosomal			
Down syndrome (trisomy 21)	214	12.60	10.91 – 14.29
Patau syndrome (trisomy 13)	18	1.06	0.63 – 1.68
Edwards syndrome (trisomy 18)	28	1.65	1.10 – 2.38
Infants & fetuses with regular reportable birth defects	7,559	445.09	435.06 – 455.13

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>

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

Texas Birth Defects Registry (TBDR) Annual Report
Table R3. Overall Prevalence of Selected Birth Defects, Region 3, 1999–2022

Birth Defect	Cases (count)	Prevalence (rate)	Confidence Interval (95% for Prevalence)
Central Nervous System			
Anencephaly	680	2.76	2.55 – 2.97
Spina bifida (without anencephaly)	954	3.87	3.63 – 4.12
Encephalocele	278	1.13	1.00 – 1.26
Microcephaly (severe, head circ. <3rd percentile)	1,888	7.66	7.32 – 8.01
Holoprosencephaly	255	1.04	0.91 – 1.16
Hydrocephaly (without spina bifida)	2,134	8.66	8.30 – 9.03
Eye & Ear			
Anophthalmia or Microphthalmia	767	3.11	2.89 – 3.33
Cataract	712	2.89	2.68 – 3.10
Anotia or Microtia	928	3.77	3.53 – 4.01
Cardiovascular			
Common truncus	160	0.65	0.55 – 0.75
Transposition of the great vessels	845	3.43	3.20 – 3.66
Double outlet right ventricle	608	2.47	2.27 – 2.66
Tetralogy of Fallot	970	3.94	3.69 – 4.19
Ventricular septal defect	15,207	61.74	60.76 – 62.72
Atrial septal defect	16,794	68.18	67.15 – 69.21
Atrioventricular septal defect (endocardial cushion defect)	1,193	4.84	4.57 – 5.12
Pulmonary valve atresia or stenosis	2,736	11.11	10.69 – 11.52
Tricuspid valve atresia or stenosis	476	1.93	1.76 – 2.11
Ebstein anomaly	148	0.60	0.50 – 0.70
Aortic valve stenosis	562	2.28	2.09 – 2.47
Hypoplastic left heart syndrome	612	2.48	2.29 – 2.68
Patent ductus arteriosus	13,451	54.61	53.69 – 55.53
Coarctation of the aorta	1,229	4.99	4.71 – 5.27
Respiratory			
Choanal atresia or stenosis	378	1.53	1.38 – 1.69
Agenesis, aplasia, or hypoplasia of the lung	650	2.64	2.44 – 2.84
Orofacial			
Cleft palate alone (without cleft lip)	1,558	6.33	6.01 – 6.64
Cleft lip with or without cleft palate	2,674	10.86	10.44 – 11.27
Gastrointestinal			
Tracheoesophageal fistula/esophageal atresia	577	2.34	2.15 – 2.53
Pyloric stenosis	3,827	15.54	15.04 – 16.03
Stenosis or atresia of the small intestine	917	3.72	3.48 – 3.96
Stenosis or atresia of large intestine, rectum, anal canal	1,244	5.05	4.77 – 5.33
Hirschsprung disease	388	1.58	1.42 – 1.73
Biliary atresia	178	0.72	0.62 – 0.83
Genitourinary			
Hypospadias (among males)	8,856	70.24	68.78 – 71.70
Renal agenesis or dysgenesis	1,683	6.83	6.51 – 7.16
Bladder exstrophy	52	0.21	0.16 – 0.28

Birth Defect	Cases (count)	Prevalence (rate)	Confidence Interval (95% for Prevalence)
Musculoskeletal			
Congenital hip dislocation (without hip dysplasia)	647	2.63	2.42 – 2.83
Talipes equinovarus (clubfoot)	4,268	17.33	16.81 – 17.85
Reduction defects of the upper limbs	1,130	4.59	4.32 – 4.86
Reduction defects of the lower limbs	515	2.09	1.91 – 2.27
Craniosynostosis	1,584	6.43	6.11 – 6.75
Achondroplasia	97	0.39	0.32 – 0.48
Diaphragmatic hernia	713	2.89	2.68 – 3.11
Omphalocele	611	2.48	2.28 – 2.68
Gastroschisis	1,087	4.41	4.15 – 4.68
Chromosomal			
Down syndrome (trisomy 21)	3,771	15.31	14.82 – 15.80
Patau syndrome (trisomy 13)	330	1.34	1.20 – 1.48
Edwards syndrome (trisomy 18)	745	3.02	2.81 – 3.24
Infants & fetuses with regular reportable birth defects	146,306	593.98	590.93 – 597.02

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

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Texas Birth Defects Registry (TBDR) Annual Report
Table R4. Overall Prevalence of Selected Birth Defects, Region 4, 1999–2022

Birth Defect	Cases (count)	Prevalence (rate)	Confidence Interval (95% for Prevalence)
Central Nervous System			
Anencephaly	114	3.32	2.71 – 3.92
Spina bifida (without anencephaly)	114	3.32	2.71 – 3.92
Encephalocele	32	0.93	0.64 – 1.31
Microcephaly (severe, head circ. <3rd percentile)	148	4.30	3.61 – 5.00
Holoprosencephaly	28	0.81	0.54 – 1.18
Hydrocephaly (without spina bifida)	289	8.41	7.44 – 9.37
Eye & Ear			
Anophthalmia or Microphthalmia	84	2.44	1.95 – 3.02
Cataract	61	1.77	1.36 – 2.28
Anotia or Microtia	97	2.82	2.29 – 3.44
Cardiovascular			
Common truncus	28	0.81	0.54 – 1.18
Transposition of the great vessels	113	3.29	2.68 – 3.89
Double outlet right ventricle	63	1.83	1.41 – 2.34
Tetralogy of Fallot	137	3.98	3.32 – 4.65
Ventricular septal defect	1,426	41.47	39.32 – 43.63
Atrial septal defect	1,573	45.75	43.49 – 48.01
Atrioventricular septal defect (endocardial cushion defect)	147	4.28	3.58 – 4.97
Pulmonary valve atresia or stenosis	290	8.43	7.46 – 9.40
Tricuspid valve atresia or stenosis	65	1.89	1.46 – 2.41
Ebstein anomaly	17	0.49	0.29 – 0.79
Aortic valve stenosis	60	1.74	1.33 – 2.25
Hypoplastic left heart syndrome	90	2.62	2.10 – 3.22
Patent ductus arteriosus	1,324	38.51	36.43 – 40.58
Coarctation of the aorta	162	4.71	3.99 – 5.44
Respiratory			
Choanal atresia or stenosis	56	1.63	1.23 – 2.11
Agenesis, aplasia, or hypoplasia of the lung	85	2.47	1.97 – 3.06
Orofacial			
Cleft palate alone (without cleft lip)	232	6.75	5.88 – 7.62
Cleft lip with or without cleft palate	373	10.85	9.75 – 11.95
Gastrointestinal			
Tracheoesophageal fistula/esophageal atresia	53	1.54	1.15 – 2.02
Pyloric stenosis	601	17.48	16.08 – 18.88
Stenosis or atresia of the small intestine	111	3.23	2.63 – 3.83
Stenosis or atresia of large intestine, rectum, anal canal	145	4.22	3.53 – 4.90
Hirschsprung disease	60	1.74	1.33 – 2.25
Biliary atresia	19	0.55	0.33 – 0.86
Genitourinary			
Hypospadias (among males)	1,226	69.64	65.74 – 73.54
Renal agenesis or dysgenesis	199	5.79	4.98 – 6.59
Bladder exstrophy	8	0.23	0.10 – 0.46

Birth Defect	Cases (count)	Prevalence (rate)	Confidence Interval (95% for Prevalence)
Musculoskeletal			
Congenital hip dislocation (without hip dysplasia)	48	1.40	1.03 – 1.85
Talipes equinovarus (clubfoot)	583	16.96	15.58 – 18.33
Reduction defects of the upper limbs	148	4.30	3.61 – 5.00
Reduction defects of the lower limbs	87	2.53	2.03 – 3.12
Craniosynostosis	175	5.09	4.34 – 5.84
Achondroplasia	16	0.47	0.27 – 0.76
Diaphragmatic hernia	81	2.36	1.87 – 2.93
Omphalocele	68	1.98	1.54 – 2.51
Gastroschisis	168	4.89	4.15 – 5.62
Chromosomal			
Down syndrome (trisomy 21)	422	12.27	11.10 – 13.44
Patau syndrome (trisomy 13)	33	0.96	0.66 – 1.35
Edwards syndrome (trisomy 18)	75	2.18	1.72 – 2.73
Infants & fetuses with regular reportable birth defects	15,325	445.70	438.64 – 452.76

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:

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Texas Birth Defects Registry (TBDR) Annual Report
Table R5. Overall Prevalence of Selected Birth Defects, Region 5, 1999–2022

Birth Defect	Cases (count)	Prevalence (rate)	Confidence Interval (95% for Prevalence)
Central Nervous System			
Anencephaly	49	2.06	1.52 – 2.73
Spina bifida (without anencephaly)	82	3.45	2.74 – 4.28
Encephalocele	22	0.93	0.58 – 1.40
Microcephaly (severe, head circ. <3rd percentile)	74	3.11	2.44 – 3.91
Holoprosencephaly	24	1.01	0.65 – 1.50
Hydrocephaly (without spina bifida)	190	7.99	6.86 – 9.13
Eye & Ear			
Anophthalmia or Microphthalmia	60	2.52	1.93 – 3.25
Cataract	35	1.47	1.03 – 2.05
Anotia or Microtia	41	1.72	1.24 – 2.34
Cardiovascular			
Common truncus	20	0.84	0.51 – 1.30
Transposition of the great vessels	81	3.41	2.71 – 4.24
Double outlet right ventricle	56	2.36	1.78 – 3.06
Tetralogy of Fallot	85	3.58	2.86 – 4.42
Ventricular septal defect	1,085	45.64	42.93 – 48.36
Atrial septal defect	1,424	59.90	56.79 – 63.02
Atrioventricular septal defect (endocardial cushion defect)	111	4.67	3.80 – 5.54
Pulmonary valve atresia or stenosis	172	7.24	6.15 – 8.32
Tricuspid valve atresia or stenosis	43	1.81	1.31 – 2.44
Ebstein anomaly	18	0.76	0.45 – 1.20
Aortic valve stenosis	44	1.85	1.34 – 2.48
Hypoplastic left heart syndrome	49	2.06	1.52 – 2.73
Patent ductus arteriosus	872	36.68	34.25 – 39.12
Coarctation of the aorta	117	4.92	4.03 – 5.81
Respiratory			
Choanal atresia or stenosis	32	1.35	0.92 – 1.90
Agenesis, aplasia, or hypoplasia of the lung	73	3.07	2.41 – 3.86
Orofacial			
Cleft palate alone (without cleft lip)	143	6.02	5.03 – 7.00
Cleft lip with or without cleft palate	237	9.97	8.70 – 11.24
Gastrointestinal			
Tracheoesophageal fistula/esophageal atresia	38	1.60	1.13 – 2.19
Pyloric stenosis	342	14.39	12.86 – 15.91
Stenosis or atresia of the small intestine	80	3.37	2.67 – 4.19
Stenosis or atresia of large intestine, rectum, anal canal	104	4.38	3.53 – 5.22
Hirschsprung disease	43	1.81	1.31 – 2.44
Biliary atresia	14	0.59	0.32 – 0.99
Genitourinary			
Hypospadias (among males)	752	61.82	57.40 – 66.24
Renal agenesis or dysgenesis	140	5.89	4.91 – 6.87
Bladder exstrophy	10	0.42	0.20 – 0.77

Birth Defect	Cases (count)	Prevalence (rate)	Confidence Interval (95% for Prevalence)
Musculoskeletal			
Congenital hip dislocation (without hip dysplasia)	68	2.86	2.22 – 3.63
Talipes equinovarus (clubfoot)	392	16.49	14.86 – 18.12
Reduction defects of the upper limbs	95	4.00	3.23 – 4.89
Reduction defects of the lower limbs	37	1.56	1.10 – 2.15
Craniosynostosis	97	4.08	3.31 – 4.98
Achondroplasia	9	0.38	0.17 – 0.72
Diaphragmatic hernia	68	2.86	2.22 – 3.63
Omphalocele	47	1.98	1.45 – 2.63
Gastroschisis	140	5.89	4.91 – 6.87
Chromosomal			
Down syndrome (trisomy 21)	221	9.30	8.07 – 10.52
Patau syndrome (trisomy 13)	22	0.93	0.58 – 1.40
Edwards syndrome (trisomy 18)	28	1.18	0.78 – 1.70
Infants & fetuses with regular reportable birth defects	9,146	384.75	376.87 – 392.64

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:

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Texas Birth Defects Registry (TBDR) Annual Report
Table R6. Overall Prevalence of Selected Birth Defects, Region 6, 1999–2022

Birth Defect	Cases (count)	Prevalence (rate)	Confidence Interval (95% for Prevalence)
Central Nervous System			
Anencephaly	350	1.54	1.38 – 1.70
Spina bifida (without anencephaly)	762	3.35	3.11 – 3.59
Encephalocele	169	0.74	0.63 – 0.85
Microcephaly (severe, head circ. <3rd percentile)	1,016	4.46	4.19 – 4.74
Holoprosencephaly	167	0.73	0.62 – 0.84
Hydrocephaly (without spina bifida)	1,569	6.89	6.55 – 7.23
Eye & Ear			
Anophthalmia or Microphthalmia	586	2.57	2.37 – 2.78
Cataract	398	1.75	1.58 – 1.92
Anotia or Microtia	754	3.31	3.08 – 3.55
Cardiovascular			
Common truncus	144	0.63	0.53 – 0.74
Transposition of the great vessels	748	3.29	3.05 – 3.52
Double outlet right ventricle	544	2.39	2.19 – 2.59
Tetralogy of Fallot	868	3.81	3.56 – 4.07
Ventricular septal defect	13,743	60.37	59.37 – 61.38
Atrial septal defect	15,994	70.26	69.17 – 71.35
Atrioventricular septal defect (endocardial cushion defect)	932	4.09	3.83 – 4.36
Pulmonary valve atresia or stenosis	1,891	8.31	7.93 – 8.68
Tricuspid valve atresia or stenosis	431	1.89	1.71 – 2.07
Ebstein anomaly	177	0.78	0.66 – 0.89
Aortic valve stenosis	497	2.18	1.99 – 2.38
Hypoplastic left heart syndrome	436	1.92	1.74 – 2.10
Patent ductus arteriosus	10,127	44.49	43.62 – 45.36
Coarctation of the aorta	1,069	4.70	4.41 – 4.98
Respiratory			
Choanal atresia or stenosis	252	1.11	0.97 – 1.24
Agenesis, aplasia, or hypoplasia of the lung	577	2.53	2.33 – 2.74
Orofacial			
Cleft palate alone (without cleft lip)	1,196	5.25	4.96 – 5.55
Cleft lip with or without cleft palate	2,024	8.89	8.50 – 9.28
Gastrointestinal			
Tracheoesophageal fistula/esophageal atresia	422	1.85	1.68 – 2.03
Pyloric stenosis	3,094	13.59	13.11 – 14.07
Stenosis or atresia of the small intestine	629	2.76	2.55 – 2.98
Stenosis or atresia of large intestine, rectum, anal canal	1,181	5.19	4.89 – 5.48
Hirschsprung disease	273	1.20	1.06 – 1.34
Biliary atresia	142	0.62	0.52 – 0.73
Genitourinary			
Hypospadias (among males)	7,485	64.42	62.96 – 65.88
Renal agenesis or dysgenesis	1,345	5.91	5.59 – 6.22
Bladder exstrophy	34	0.15	0.10 – 0.21

Birth Defect	Cases (count)	Prevalence (rate)	Confidence Interval (95% for Prevalence)
Musculoskeletal			
Congenital hip dislocation (without hip dysplasia)	556	2.44	2.24 – 2.65
Talipes equinovarus (clubfoot)	3,628	15.94	15.42 – 16.46
Reduction defects of the upper limbs	735	3.23	3.00 – 3.46
Reduction defects of the lower limbs	339	1.49	1.33 – 1.65
Craniosynostosis	966	4.24	3.98 – 4.51
Achondroplasia	77	0.34	0.27 – 0.42
Diaphragmatic hernia	632	2.78	2.56 – 2.99
Omphalocele	422	1.85	1.68 – 2.03
Gastroschisis	916	4.02	3.76 – 4.28
Chromosomal			
Down syndrome (trisomy 21)	2,923	12.84	12.38 – 13.31
Patau syndrome (trisomy 13)	205	0.90	0.78 – 1.02
Edwards syndrome (trisomy 18)	467	2.05	1.87 – 2.24
Infants & fetuses with regular reportable birth defects	108,830	478.11	475.26 – 480.95

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>

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

Texas Birth Defects Registry (TBDR) Annual Report
Table R7. Overall Prevalence of Selected Birth Defects, Region 7, 1999–2022

Birth Defect	Cases (count)	Prevalence (rate)	Confidence Interval (95% for Prevalence)
Central Nervous System			
Anencephaly	259	2.52	2.21 – 2.82
Spina bifida (without anencephaly)	321	3.12	2.78 – 3.46
Encephalocele	91	0.88	0.71 – 1.09
Microcephaly (severe, head circ. <3rd percentile)	449	4.36	3.96 – 4.76
Holoprosencephaly	113	1.10	0.90 – 1.30
Hydrocephaly (without spina bifida)	798	7.75	7.21 – 8.29
Eye & Ear			
Anophthalmia or Microphthalmia	350	3.40	3.04 – 3.76
Cataract	180	1.75	1.49 – 2.00
Anotia or Microtia	368	3.57	3.21 – 3.94
Cardiovascular			
Common truncus	76	0.74	0.58 – 0.92
Transposition of the great vessels	308	2.99	2.66 – 3.33
Double outlet right ventricle	208	2.02	1.75 – 2.29
Tetralogy of Fallot	390	3.79	3.41 – 4.16
Ventricular septal defect	5,921	57.51	56.04 – 58.97
Atrial septal defect	4,271	41.48	40.24 – 42.72
Atrioventricular septal defect (endocardial cushion defect)	434	4.22	3.82 – 4.61
Pulmonary valve atresia or stenosis	1,011	9.82	9.21 – 10.42
Tricuspid valve atresia or stenosis	168	1.63	1.38 – 1.88
Ebstein anomaly	75	0.73	0.57 – 0.91
Aortic valve stenosis	266	2.58	2.27 – 2.89
Hypoplastic left heart syndrome	206	2.00	1.73 – 2.27
Patent ductus arteriosus	4,470	43.41	42.14 – 44.69
Coarctation of the aorta	497	4.83	4.40 – 5.25
Respiratory			
Choanal atresia or stenosis	130	1.26	1.05 – 1.48
Agenesis, aplasia, or hypoplasia of the lung	298	2.89	2.57 – 3.22
Orofacial			
Cleft palate alone (without cleft lip)	607	5.90	5.43 – 6.36
Cleft lip with or without cleft palate	1,063	10.32	9.70 – 10.94
Gastrointestinal			
Tracheoesophageal fistula/esophageal atresia	233	2.26	1.97 – 2.55
Pyloric stenosis	1,296	12.59	11.90 – 13.27
Stenosis or atresia of the small intestine	369	3.58	3.22 – 3.95
Stenosis or atresia of large intestine, rectum, anal canal	502	4.88	4.45 – 5.30
Hirschsprung disease	199	1.93	1.66 – 2.20
Biliary atresia	61	0.59	0.45 – 0.76
Genitourinary			
Hypospadias (among males)	3,481	66.15	63.96 – 68.35
Renal agenesis or dysgenesis	649	6.30	5.82 – 6.79
Bladder exstrophy	22	0.21	0.13 – 0.32

Birth Defect	Cases (count)	Prevalence (rate)	Confidence Interval (95% for Prevalence)
Musculoskeletal			
Congenital hip dislocation (without hip dysplasia)	262	2.54	2.24 – 2.85
Talipes equinovarus (clubfoot)	1,487	14.44	13.71 – 15.18
Reduction defects of the upper limbs	456	4.43	4.02 – 4.84
Reduction defects of the lower limbs	218	2.12	1.84 – 2.40
Craniosynostosis	553	5.37	4.92 – 5.82
Achondroplasia	36	0.35	0.24 – 0.48
Diaphragmatic hernia	296	2.87	2.55 – 3.20
Omphalocele	208	2.02	1.75 – 2.29
Gastroschisis	532	5.17	4.73 – 5.61
Chromosomal			
Down syndrome (trisomy 21)	1,293	12.56	11.87 – 13.24
Patau syndrome (trisomy 13)	106	1.03	0.83 – 1.23
Edwards syndrome (trisomy 18)	263	2.55	2.25 – 2.86
Infants & fetuses with regular reportable birth defects	49,784	483.51	479.27 – 487.76

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>

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

Texas Birth Defects Registry (TBDR) Annual Report
Table R8. Overall Prevalence of Selected Birth Defects, Region 8, 1999–2022

Birth Defect	Cases (count)	Prevalence (rate)	Confidence Interval (95% for Prevalence)
Central Nervous System			
Anencephaly	249	2.72	2.39 – 3.06
Spina bifida (without anencephaly)	378	4.13	3.72 – 4.55
Encephalocele	112	1.22	1.00 – 1.45
Microcephaly (severe, head circ. <3rd percentile)	591	6.46	5.94 – 6.98
Holoprosencephaly	104	1.14	0.92 – 1.36
Hydrocephaly (without spina bifida)	893	9.77	9.13 – 10.41
Eye & Ear			
Anophthalmia or Microphthalmia	317	3.47	3.09 – 3.85
Cataract	155	1.70	1.43 – 1.96
Anotia or Microtia	420	4.59	4.15 – 5.03
Cardiovascular			
Common truncus	94	1.03	0.83 – 1.26
Transposition of the great vessels	340	3.72	3.32 – 4.11
Double outlet right ventricle	196	2.14	1.84 – 2.44
Tetralogy of Fallot	416	4.55	4.11 – 4.99
Ventricular septal defect	5,470	59.83	58.24 – 61.41
Atrial septal defect	6,201	67.82	66.13 – 69.51
Atrioventricular septal defect (endocardial cushion defect)	446	4.88	4.43 – 5.33
Pulmonary valve atresia or stenosis	944	10.32	9.67 – 10.98
Tricuspid valve atresia or stenosis	189	2.07	1.77 – 2.36
Ebstein anomaly	83	0.91	0.72 – 1.13
Aortic valve stenosis	254	2.78	2.44 – 3.12
Hypoplastic left heart syndrome	218	2.38	2.07 – 2.70
Patent ductus arteriosus	5,336	58.36	56.79 – 59.93
Coarctation of the aorta	494	5.40	4.93 – 5.88
Respiratory			
Choanal atresia or stenosis	113	1.24	1.01 – 1.46
Agenesis, aplasia, or hypoplasia of the lung	409	4.47	4.04 – 4.91
Orofacial			
Cleft palate alone (without cleft lip)	625	6.84	6.30 – 7.37
Cleft lip with or without cleft palate	1,108	12.12	11.40 – 12.83
Gastrointestinal			
Tracheoesophageal fistula/esophageal atresia	226	2.47	2.15 – 2.79
Pyloric stenosis	1,591	17.40	16.55 – 18.26
Stenosis or atresia of the small intestine	360	3.94	3.53 – 4.34
Stenosis or atresia of large intestine, rectum, anal canal	601	6.57	6.05 – 7.10
Hirschsprung disease	132	1.44	1.20 – 1.69
Biliary atresia	86	0.94	0.75 – 1.16
Genitourinary			
Hypospadias (among males)	2,822	60.44	58.21 – 62.67
Renal agenesis or dysgenesis	770	8.42	7.83 – 9.02
Bladder exstrophy	16	0.17	0.10 – 0.28

Birth Defect	Cases (count)	Prevalence (rate)	Confidence Interval (95% for Prevalence)
Musculoskeletal			
Congenital hip dislocation (without hip dysplasia)	157	1.72	1.45 – 1.99
Talipes equinovarus (clubfoot)	1,659	18.14	17.27 – 19.02
Reduction defects of the upper limbs	440	4.81	4.36 – 5.26
Reduction defects of the lower limbs	243	2.66	2.32 – 2.99
Craniosynostosis	642	7.02	6.48 – 7.56
Achondroplasia	29	0.32	0.21 – 0.46
Diaphragmatic hernia	284	3.11	2.74 – 3.47
Omphalocele	221	2.42	2.10 – 2.74
Gastroschisis	574	6.28	5.76 – 6.79
Chromosomal			
Down syndrome (trisomy 21)	1,416	15.49	14.68 – 16.29
Patau syndrome (trisomy 13)	118	1.29	1.06 – 1.52
Edwards syndrome (trisomy 18)	248	2.71	2.37 – 3.05
Infants & fetuses with regular reportable birth defects	50,396	551.19	546.38 – 556.00

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>

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Texas Birth Defects Registry (TBDR) Annual Report
Table R9. Overall Prevalence of Selected Birth Defects, Region 9, 1999–2022

Birth Defect	Cases (count)	Prevalence (rate)	Confidence Interval (95% for Prevalence)
Central Nervous System			
Anencephaly	57	2.55	1.93 – 3.31
Spina bifida (without anencephaly)	71	3.18	2.48 – 4.01
Encephalocele	25	1.12	0.72 – 1.65
Microcephaly (severe, head circ. <3rd percentile)	82	3.67	2.92 – 4.56
Holoprosencephaly	31	1.39	0.94 – 1.97
Hydrocephaly (without spina bifida)	213	9.54	8.26 – 10.82
Eye & Ear			
Anophthalmia or Microphthalmia	78	3.49	2.76 – 4.36
Cataract	52	2.33	1.74 – 3.05
Anotia or Microtia	76	3.40	2.68 – 4.26
Cardiovascular			
Common truncus	16	0.72	0.41 – 1.16
Transposition of the great vessels	69	3.09	2.41 – 3.91
Double outlet right ventricle	48	2.15	1.59 – 2.85
Tetralogy of Fallot	85	3.81	3.04 – 4.71
Ventricular septal defect	1,363	61.06	57.82 – 64.30
Atrial septal defect	3,519	157.65	152.44 – 162.85
Atrioventricular septal defect (endocardial cushion defect)	87	3.90	3.12 – 4.81
Pulmonary valve atresia or stenosis	230	10.30	8.97 – 11.64
Tricuspid valve atresia or stenosis	37	1.66	1.17 – 2.28
Ebstein anomaly	21	0.94	0.58 – 1.44
Aortic valve stenosis	49	2.20	1.62 – 2.90
Hypoplastic left heart syndrome	60	2.69	2.05 – 3.46
Patent ductus arteriosus	1,550	69.44	65.98 – 72.89
Coarctation of the aorta	123	5.51	4.54 – 6.48
Respiratory			
Choanal atresia or stenosis	25	1.12	0.72 – 1.65
Agenesis, aplasia, or hypoplasia of the lung	46	2.06	1.51 – 2.75
Orofacial			
Cleft palate alone (without cleft lip)	132	5.91	4.90 – 6.92
Cleft lip with or without cleft palate	288	12.90	11.41 – 14.39
Gastrointestinal			
Tracheoesophageal fistula/esophageal atresia	56	2.51	1.90 – 3.26
Pyloric stenosis	371	16.62	14.93 – 18.31
Stenosis or atresia of the small intestine	73	3.27	2.56 – 4.11
Stenosis or atresia of large intestine, rectum, anal canal	135	6.05	5.03 – 7.07
Hirschsprung disease	32	1.43	0.98 – 2.02
Biliary atresia	17	0.76	0.44 – 1.22
Genitourinary			
Hypospadias (among males)	599	52.42	48.22 – 56.62
Renal agenesis or dysgenesis	143	6.41	5.36 – 7.46
Bladder exstrophy	2	0.09	0.01 – 0.32

Birth Defect	Cases (count)	Prevalence (rate)	Confidence Interval (95% for Prevalence)
Musculoskeletal			
Congenital hip dislocation (without hip dysplasia)	64	2.87	2.21 – 3.66
Talipes equinovarus (clubfoot)	455	20.38	18.51 – 22.26
Reduction defects of the upper limbs	95	4.26	3.44 – 5.20
Reduction defects of the lower limbs	54	2.42	1.82 – 3.16
Craniosynostosis	167	7.48	6.35 – 8.62
Achondroplasia	7	0.31	0.13 – 0.65
Diaphragmatic hernia	54	2.42	1.82 – 3.16
Omphalocele	49	2.20	1.62 – 2.90
Gastroschisis	160	7.17	6.06 – 8.28
Chromosomal			
Down syndrome (trisomy 21)	240	10.75	9.39 – 12.11
Patau syndrome (trisomy 13)	28	1.25	0.83 – 1.81
Edwards syndrome (trisomy 18)	46	2.06	1.51 – 2.75
Infants & fetuses with regular reportable birth defects	11,776	527.54	518.02 – 537.07

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>

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Texas Birth Defects Registry (TBDR) Annual Report
Table R10. Overall Prevalence of Selected Birth Defects, Region 10, 1999–2022

Birth Defect	Cases (count)	Prevalence (rate)	Confidence Interval (95% for Prevalence)
Central Nervous System			
Anencephaly	93	2.83	2.29 – 3.47
Spina bifida (without anencephaly)	114	3.47	2.84 – 4.11
Encephalocele	22	0.67	0.42 – 1.01
Microcephaly (severe, head circ. <3rd percentile)	135	4.11	3.42 – 4.81
Holoprosencephaly	40	1.22	0.87 – 1.66
Hydrocephaly (without spina bifida)	260	7.92	6.96 – 8.88
Eye & Ear			
Anophthalmia or Microphthalmia	96	2.92	2.37 – 3.57
Cataract	43	1.31	0.95 – 1.76
Anotia or Microtia	138	4.20	3.50 – 4.91
Cardiovascular			
Common truncus	29	0.88	0.59 – 1.27
Transposition of the great vessels	75	2.28	1.80 – 2.86
Double outlet right ventricle	62	1.89	1.45 – 2.42
Tetralogy of Fallot	102	3.11	2.50 – 3.71
Ventricular septal defect	1,560	47.52	45.16 – 49.88
Atrial septal defect	1,811	55.17	52.63 – 57.71
Atrioventricular septal defect (endocardial cushion defect)	93	2.83	2.29 – 3.47
Pulmonary valve atresia or stenosis	198	6.03	5.19 – 6.87
Tricuspid valve atresia or stenosis	42	1.28	0.92 – 1.73
Ebstein anomaly	26	0.79	0.52 – 1.16
Aortic valve stenosis	79	2.41	1.91 – 3.00
Hypoplastic left heart syndrome	64	1.95	1.50 – 2.49
Patent ductus arteriosus	1,528	46.55	44.21 – 48.88
Coarctation of the aorta	160	4.87	4.12 – 5.63
Respiratory			
Choanal atresia or stenosis	25	0.76	0.49 – 1.12
Agenesis, aplasia, or hypoplasia of the lung	65	1.98	1.53 – 2.52
Orofacial			
Cleft palate alone (without cleft lip)	155	4.72	3.98 – 5.46
Cleft lip with or without cleft palate	391	11.91	10.73 – 13.09
Gastrointestinal			
Tracheoesophageal fistula/esophageal atresia	87	2.65	2.12 – 3.27
Pyloric stenosis	585	17.82	16.38 – 19.26
Stenosis or atresia of the small intestine	108	3.29	2.67 – 3.91
Stenosis or atresia of large intestine, rectum, anal canal	183	5.57	4.77 – 6.38
Hirschsprung disease	31	0.94	0.64 – 1.34
Biliary atresia	27	0.82	0.54 – 1.20
Genitourinary			
Hypospadias (among males)	735	43.93	40.76 – 47.11
Renal agenesis or dysgenesis	211	6.43	5.56 – 7.29
Bladder exstrophy	2	0.06	0.01 – 0.22

Birth Defect	Cases (count)	Prevalence (rate)	Confidence Interval (95% for Prevalence)
Musculoskeletal			
Congenital hip dislocation (without hip dysplasia)	150	4.57	3.84 – 5.30
Talipes equinovarus (clubfoot)	557	16.97	15.56 – 18.38
Reduction defects of the upper limbs	120	3.66	3.00 – 4.31
Reduction defects of the lower limbs	66	2.01	1.55 – 2.56
Craniosynostosis	298	9.08	8.05 – 10.11
Achondroplasia	18	0.55	0.32 – 0.87
Diaphragmatic hernia	80	2.44	1.93 – 3.03
Omphalocele	63	1.92	1.47 – 2.46
Gastroschisis	185	5.64	4.82 – 6.45
Chromosomal			
Down syndrome (trisomy 21)	491	14.96	13.63 – 16.28
Patau syndrome (trisomy 13)	48	1.46	1.08 – 1.94
Edwards syndrome (trisomy 18)	66	2.01	1.55 – 2.56
Infants & fetuses with regular reportable birth defects	14,278	434.93	427.80 – 442.07

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>

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Texas Birth Defects Registry (TBDR) Annual Report
Table R11. Overall Prevalence of Selected Birth Defects, Region 11, 1999–2022

Birth Defect	Cases (count)	Prevalence (rate)	Confidence Interval (95% for Prevalence)
Central Nervous System			
Anencephaly	308	3.32	2.95 – 3.69
Spina bifida (without anencephaly)	442	4.77	4.32 – 5.21
Encephalocele	106	1.14	0.93 – 1.36
Microcephaly (severe, head circ. <3rd percentile)	356	3.84	3.44 – 4.24
Holoprosencephaly	133	1.44	1.19 – 1.68
Hydrocephaly (without spina bifida)	874	9.43	8.81 – 10.06
Eye & Ear			
Anophthalmia or Microphthalmia	269	2.90	2.56 – 3.25
Cataract	99	1.07	0.87 – 1.30
Anotia or Microtia	391	4.22	3.80 – 4.64
Cardiovascular			
Common truncus	105	1.13	0.92 – 1.35
Transposition of the great vessels	335	3.61	3.23 – 4.00
Double outlet right ventricle	287	3.10	2.74 – 3.46
Tetralogy of Fallot	453	4.89	4.44 – 5.34
Ventricular septal defect	9,037	97.51	95.50 – 99.52
Atrial septal defect	11,835	127.70	125.40 – 130.00
Atrioventricular septal defect (endocardial cushion defect)	409	4.41	3.99 – 4.84
Pulmonary valve atresia or stenosis	1,467	15.83	15.02 – 16.64
Tricuspid valve atresia or stenosis	227	2.45	2.13 – 2.77
Ebstein anomaly	107	1.15	0.94 – 1.37
Aortic valve stenosis	324	3.50	3.12 – 3.88
Hypoplastic left heart syndrome	203	2.19	1.89 – 2.49
Patent ductus arteriosus	9,962	107.49	105.38 – 109.60
Coarctation of the aorta	761	8.21	7.63 – 8.79
Respiratory			
Choanal atresia or stenosis	128	1.38	1.14 – 1.62
Agenesis, aplasia, or hypoplasia of the lung	368	3.97	3.57 – 4.38
Orofacial			
Cleft palate alone (without cleft lip)	524	5.65	5.17 – 6.14
Cleft lip with or without cleft palate	1,091	11.77	11.07 – 12.47
Gastrointestinal			
Tracheoesophageal fistula/esophageal atresia	212	2.29	1.98 – 2.60
Pyloric stenosis	1,961	21.16	20.22 – 22.10
Stenosis or atresia of the small intestine	357	3.85	3.45 – 4.25
Stenosis or atresia of large intestine, rectum, anal canal	570	6.15	5.65 – 6.66
Hirschsprung disease	102	1.10	0.89 – 1.31
Biliary atresia	69	0.74	0.58 – 0.94
Genitourinary			
Hypospadias (among males)	2,148	45.37	43.45 – 47.29
Renal agenesis or dysgenesis	694	7.49	6.93 – 8.05
Bladder exstrophy	16	0.17	0.10 – 0.28

Birth Defect	Cases (count)	Prevalence (rate)	Confidence Interval (95% for Prevalence)
Musculoskeletal			
Congenital hip dislocation (without hip dysplasia)	183	1.97	1.69 – 2.26
Talipes equinovarus (clubfoot)	1,626	17.54	16.69 – 18.40
Reduction defects of the upper limbs	385	4.15	3.74 – 4.57
Reduction defects of the lower limbs	166	1.79	1.52 – 2.06
Craniosynostosis	465	5.02	4.56 – 5.47
Achondroplasia	23	0.25	0.16 – 0.37
Diaphragmatic hernia	266	2.87	2.53 – 3.22
Omphalocele	233	2.51	2.19 – 2.84
Gastroschisis	578	6.24	5.73 – 6.75
Chromosomal			
Down syndrome (trisomy 21)	1,455	15.70	14.89 – 16.51
Patau syndrome (trisomy 13)	109	1.18	0.96 – 1.40
Edwards syndrome (trisomy 18)	262	2.83	2.48 – 3.17
Infants & fetuses with regular reportable birth defects	48,597	524.37	519.71 – 529.04

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>

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