

## Texas Birth Defects Registry, Report of Defects Among 2000-2009 Deliveries

Table 4. Prevalence of Selected Birth Defects by Mother's Race/Ethnicity, Texas, 2000-2009

Defect	Mother's Race/Ethnicity	Cases	Prevalence <sup>†</sup>	95% Confidence Interval for Prevalence	
<b>Central Nervous System</b>					
Anencephaly * (p<0.0001)	White non-Hispanic	277	2.00	1.77 -	2.24
	Black non-Hispanic	89	2.07	1.66 -	2.54
	Hispanic	573	3.04	2.79 -	3.28
Spina bifida without anencephaly * (p<0.0001)	White non-Hispanic	464	3.35	3.05 -	3.66
	Black non-Hispanic	107	2.48	2.01 -	2.95
	Hispanic	796	4.22	3.92 -	4.51
Encephalocele * (p<0.0001)	White non-Hispanic	89	0.64	0.52 -	0.79
	Black non-Hispanic	37	0.86	0.60 -	1.18
	Hispanic	212	1.12	0.97 -	1.27
Holoprosencephaly * (p=0.0183)	White non-Hispanic	128	0.92	0.76 -	1.09
	Black non-Hispanic	47	1.09	0.80 -	1.45
	Hispanic	237	1.26	1.10 -	1.42
Hydrocephaly without spina bifida	White non-Hispanic	937	6.77	6.34 -	7.20
	Black non-Hispanic	326	7.57	6.75 -	8.39
	Hispanic	1342	7.11	6.73 -	7.49
<b>Eye and Ear</b>					
Anophthalmia	White non-Hispanic	40	0.29	0.21 -	0.39
	Black non-Hispanic	14	0.33	0.18 -	0.55
	Hispanic	68	0.36	0.28 -	0.46
Microphthalmia * (p=0.0293)	White non-Hispanic	373	2.70	2.42 -	2.97
	Black non-Hispanic	95	2.21	1.78 -	2.70
	Hispanic	551	2.92	2.68 -	3.16
Cataract	White non-Hispanic	268	1.94	1.70 -	2.17
	Black non-Hispanic	97	2.25	1.83 -	2.75
	Hispanic	333	1.76	1.57 -	1.95
Anotia or microtia * (p<0.0001)	White non-Hispanic	259	1.87	1.64 -	2.10
	Black non-Hispanic	62	1.44	1.10 -	1.85
	Hispanic	848	4.49	4.19 -	4.80
<b>Cardiac and Circulatory</b>					
Common truncus	White non-Hispanic	105	0.76	0.61 -	0.90
	Black non-Hispanic	32	0.74	0.51 -	1.05
	Hispanic	165	0.87	0.74 -	1.01
Transposition of the great vessels * (p=0.0173)	White non-Hispanic	685	4.95	4.58 -	5.32
	Black non-Hispanic	179	4.16	3.55 -	4.76
	Hispanic	982	5.20	4.88 -	5.53
Tetralogy of Fallot * (p=0.0234)	White non-Hispanic	504	3.64	3.32 -	3.96
	Black non-Hispanic	181	4.20	3.59 -	4.81
	Hispanic	631	3.34	3.08 -	3.60
Ventricular septal defect * (p<0.0001)	White non-Hispanic	6952	50.24	49.06 -	51.42
	Black non-Hispanic	1756	40.76	38.86 -	42.67
	Hispanic	11768	62.35	61.22 -	63.47
Atrial septal defect * (p<0.0001)	White non-Hispanic	7381	53.34	52.12 -	54.55
	Black non-Hispanic	2430	56.41	54.17 -	58.65
	Hispanic	10941	57.97	56.88 -	59.05

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Atrioventricular septal defect (endocardial cushion defect) * (p<0.0001)	White non-Hispanic	669	4.83	4.47 -	5.20
	Black non-Hispanic	201	4.67	4.02 -	5.31
	Hispanic	723	3.83	3.55 -	4.11
Pulmonary valve atresia or stenosis * (p=0.0053)	White non-Hispanic	1147	8.29	7.81 -	8.77
	Black non-Hispanic	399	9.26	8.35 -	10.17
	Hispanic	1762	9.34	8.90 -	9.77
Tricuspid valve atresia or stenosis * (p=0.0310)	White non-Hispanic	207	1.50	1.29 -	1.70
	Black non-Hispanic	88	2.04	1.64 -	2.52
	Hispanic	335	1.77	1.58 -	1.96
Ebstein anomaly	White non-Hispanic	96	0.69	0.56 -	0.85
	Black non-Hispanic	19	0.44	0.27 -	0.69
	Hispanic	138	0.73	0.61 -	0.85
Aortic valve stenosis * (p<0.0001)	White non-Hispanic	380	2.75	2.47 -	3.02
	Black non-Hispanic	65	1.51	1.16 -	1.92
	Hispanic	433	2.29	2.08 -	2.51
Hypoplastic left heart syndrome * (p=0.0015)	White non-Hispanic	342	2.47	2.21 -	2.73
	Black non-Hispanic	95	2.21	1.78 -	2.70
	Hispanic	355	1.88	1.69 -	2.08
Patent ductus arteriosus * (p<0.0001)	White non-Hispanic	6756	48.82	47.66 -	49.99
	Black non-Hispanic	2073	48.12	46.05 -	50.20
	Hispanic	10543	55.86	54.79 -	56.92
Coarctation of the aorta * (p<0.0001)	White non-Hispanic	772	5.58	5.19 -	5.97
	Black non-Hispanic	148	3.44	2.88 -	3.99
	Hispanic	932	4.94	4.62 -	5.25
<b>Respiratory</b>					
Choanal atresia or stenosis	White non-Hispanic	185	1.34	1.14 -	1.53
	Black non-Hispanic	49	1.14	0.84 -	1.50
	Hispanic	212	1.12	0.97 -	1.27
Agenesis, aplasia, or hypoplasia of the lung * (p<0.0001)	White non-Hispanic	353	2.55	2.28 -	2.82
	Black non-Hispanic	136	3.16	2.63 -	3.69
	Hispanic	671	3.55	3.29 -	3.82
<b>Oral Clefts</b>					
Cleft palate alone (without cleft lip) * (p<0.0001)	White non-Hispanic	946	6.84	6.40 -	7.27
	Black non-Hispanic	197	4.57	3.93 -	5.21
	Hispanic	1045	5.54	5.20 -	5.87
Cleft lip with or without cleft palate * (p<0.0001)	White non-Hispanic	1502	10.85	10.31 -	11.40
	Black non-Hispanic	311	7.22	6.42 -	8.02
	Hispanic	2180	11.55	11.06 -	12.03
<b>Gastrointestinal</b>					
Tracheoesophageal fistula/esophageal atresia * (p=0.0043)	White non-Hispanic	316	2.28	2.03 -	2.54
	Black non-Hispanic	64	1.49	1.14 -	1.90
	Hispanic	386	2.05	1.84 -	2.25
Pyloric stenosis * (p<0.0001)	White non-Hispanic	2995	21.64	20.87 -	22.42
	Black non-Hispanic	372	8.64	7.76 -	9.51
	Hispanic	3943	20.89	20.24 -	21.54

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Stenosis or atresia of the small intestine	White non-Hispanic	445	3.22	2.92 -	3.51
	Black non-Hispanic	133	3.09	2.56 -	3.61
	Hispanic	645	3.42	3.15 -	3.68
Stenosis or atresia of large intestine, rectum, or anal canal * (p<0.0001)	White non-Hispanic	729	5.27	4.89 -	5.65
	Black non-Hispanic	167	3.88	3.29 -	4.46
	Hispanic	1066	5.65	5.31 -	5.99
Hirschsprung disease * (p<0.0001)	White non-Hispanic	232	1.68	1.46 -	1.89
	Black non-Hispanic	99	2.30	1.87 -	2.80
	Hispanic	154	0.82	0.69 -	0.94
Biliary atresia	White non-Hispanic	82	0.59	0.47 -	0.74
	Black non-Hispanic	36	0.84	0.59 -	1.16
	Hispanic	143	0.76	0.63 -	0.88
<b>Genitourinary</b>					
Hypospadias (cases and prevalence among males) * (p<0.0001)	White non-Hispanic	5626	79.25	77.18 -	81.32
	Black non-Hispanic	1414	64.49	61.13 -	67.85
	Hispanic	3453	35.87	34.68 -	37.07
Epispadias * (p<0.0001)	White non-Hispanic	153	1.11	0.93 -	1.28
	Black non-Hispanic	48	1.11	0.82 -	1.48
	Hispanic	117	0.62	0.51 -	0.73
Renal agenesis or dysgenesis * (p=0.0165)	White non-Hispanic	744	5.38	4.99 -	5.76
	Black non-Hispanic	216	5.01	4.35 -	5.68
	Hispanic	1125	5.96	5.61 -	6.31
Bladder exstrophy * (p=0.0005)	White non-Hispanic	45	0.33	0.24 -	0.44
	Black non-Hispanic	7	0.16	0.07 -	0.33
	Hispanic	24	0.13	0.08 -	0.19
<b>Musculoskeletal</b>					
Congenital hip dislocation * (p<0.0001)	White non-Hispanic	684	4.94	4.57 -	5.31
	Black non-Hispanic	80	1.86	1.47 -	2.31
	Hispanic	853	4.52	4.22 -	4.82
Talipes equinovarus / clubfoot * (p=0.0089)	White non-Hispanic	2215	16.01	15.34 -	16.67
	Black non-Hispanic	613	14.23	13.10 -	15.36
	Hispanic	2817	14.92	14.37 -	15.48
Reduction defects of the upper limbs	White non-Hispanic	588	4.25	3.91 -	4.59
	Black non-Hispanic	176	4.09	3.48 -	4.69
	Hispanic	758	4.02	3.73 -	4.30
Reduction defects of the lower limbs	White non-Hispanic	272	1.97	1.73 -	2.20
	Black non-Hispanic	98	2.28	1.85 -	2.77
	Hispanic	341	1.81	1.61 -	2.00
Craniosynostosis * (p<0.0001)	White non-Hispanic	839	6.06	5.65 -	6.47
	Black non-Hispanic	66	1.53	1.18 -	1.95
	Hispanic	833	4.41	4.11 -	4.71
Achondroplasia * (p=0.0205)	White non-Hispanic	52	0.38	0.28 -	0.49
	Black non-Hispanic	17	0.39	0.23 -	0.63
	Hispanic	42	0.22	0.16 -	0.30
Diaphragmatic hernia	White non-Hispanic	382	2.76	2.48 -	3.04
	Black non-Hispanic	95	2.21	1.78 -	2.70
	Hispanic	537	2.85	2.60 -	3.09

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Omphalocele	White non-Hispanic	291	2.10	1.86 -	2.34
	Black non-Hispanic	100	2.32	1.89 -	2.82
	Hispanic	380	2.01	1.81 -	2.22
Gastroschisis * (p<0.0001)	White non-Hispanic	687	4.96	4.59 -	5.34
	Black non-Hispanic	147	3.41	2.86 -	3.96
	Hispanic	1067	5.65	5.31 -	5.99
<b>Chromosomal</b>					
Trisomy 21 (Down syndrome) * (p<0.0001)	White non-Hispanic	1740	12.57	11.98 -	13.16
	Black non-Hispanic	385	8.94	8.04 -	9.83
	Hispanic	2767	14.66	14.11 -	15.21
Trisomy 13 (Patau syndrome)	White non-Hispanic	160	1.16	0.98 -	1.34
	Black non-Hispanic	55	1.28	0.96 -	1.66
	Hispanic	210	1.11	0.96 -	1.26
Trisomy 18 (Edwards syndrome)	White non-Hispanic	351	2.54	2.27 -	2.80
	Black non-Hispanic	121	2.81	2.31 -	3.31
	Hispanic	436	2.31	2.09 -	2.53
<b>Infants and fetuses with any monitored birth defect *</b> (p<0.0001)	White non-Hispanic	61286	442.88	439.37 -	446.38
	Black non-Hispanic	17179	398.80	392.84 -	404.77
	Hispanic	76766	406.71	403.83 -	409.59

<sup>†</sup> cases per 10,000 live births

\* statistically significant by Poisson regression (p<0.05)