

Texas Birth Defects Registry, Report of Defects Among 2000-2009 Deliveries  
 Table 3. Prevalence of Selected Birth Defects by Mother's Age, Texas, 2000-2009

Defect	Mother's Age	Cases	Prevalence <sup>†</sup>	95% Confidence Interval for Prevalence	
<b>Central Nervous System</b>					
Anencephaly * (p=0.0152)	< 20	158	2.95	2.49 -	3.40
	20-24	288	2.67	2.36 -	2.98
	25-29	263	2.54	2.23 -	2.85
	30-34	177	2.27	1.94 -	2.61
	35-39	70	1.98	1.54 -	2.50
	40 +	27	3.63	2.39 -	5.28
Spina bifida without anencephaly	< 20	176	3.28	2.80 -	3.77
	20-24	387	3.58	3.23 -	3.94
	25-29	378	3.65	3.28 -	4.02
	30-34	293	3.76	3.33 -	4.19
	35-39	127	3.59	2.97 -	4.21
	40 +	33	4.44	3.06 -	6.23
Encephalocele	< 20	64	1.19	0.92 -	1.52
	20-24	95	0.88	0.71 -	1.08
	25-29	85	0.82	0.66 -	1.02
	30-34	67	0.86	0.67 -	1.09
	35-39	34	0.96	0.67 -	1.34
	40 +	9	1.21	0.55 -	2.30
Holoprosencephaly	< 20	70	1.30	1.02 -	1.65
	20-24	115	1.07	0.87 -	1.26
	25-29	103	0.99	0.80 -	1.19
	30-34	83	1.07	0.85 -	1.32
	35-39	46	1.30	0.95 -	1.73
	40 +	9	1.21	0.55 -	2.30
Hydrocephaly without spina bifida * (p<0.0001)	< 20	434	8.09	7.33 -	8.85
	20-24	721	6.68	6.19 -	7.16
	25-29	641	6.19	5.71 -	6.67
	30-34	511	6.56	5.99 -	7.13
	35-39	276	7.80	6.88 -	8.72
	40 +	82	11.03	8.77 -	13.69
<b>Eye and Ear</b>					
Anophthalmia * (p=0.0270)	< 20	32	0.60	0.41 -	0.84
	20-24	29	0.27	0.18 -	0.39
	25-29	28	0.27	0.18 -	0.39
	30-34	22	0.28	0.18 -	0.43
	35-39	10	0.28	0.14 -	0.52
	40 +	3	0.40	0.08 -	1.18
Microphthalmia * (p<0.0001)	< 20	114	2.12	1.73 -	2.52
	20-24	258	2.39	2.10 -	2.68
	25-29	254	2.45	2.15 -	2.76
	30-34	226	2.90	2.52 -	3.28
	35-39	148	4.18	3.51 -	4.86
	40 +	55	7.40	5.57 -	9.63

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Cataract	< 20	95	1.77	1.43 -	2.16
	20-24	199	1.84	1.59 -	2.10
	25-29	186	1.80	1.54 -	2.05
	30-34	148	1.90	1.59 -	2.21
	35-39	72	2.04	1.59 -	2.56
	40 +	21	2.82	1.75 -	4.32
Anotia or microtia * (p<0.0001)	< 20	138	2.57	2.14 -	3.00
	20-24	317	2.94	2.61 -	3.26
	25-29	300	2.90	2.57 -	3.23
	30-34	279	3.58	3.16 -	4.00
	35-39	143	4.04	3.38 -	4.70
	40 +	36	4.84	3.39 -	6.70
<b>Cardiac and Circulatory</b>					
Common truncus	< 20	38	0.71	0.50 -	0.97
	20-24	74	0.69	0.54 -	0.86
	25-29	82	0.79	0.63 -	0.98
	30-34	71	0.91	0.71 -	1.15
	35-39	34	0.96	0.67 -	1.34
	40 +	9	1.21	0.55 -	2.30
Transposition of the great vessels * (p<0.0001)	< 20	243	4.53	3.96 -	5.10
	20-24	475	4.40	4.00 -	4.79
	25-29	516	4.98	4.55 -	5.41
	30-34	413	5.30	4.79 -	5.81
	35-39	217	6.13	5.32 -	6.95
	40 +	65	8.74	6.75 -	11.14
Tetralogy of Fallot * (p<0.0001)	< 20	166	3.09	2.62 -	3.56
	20-24	320	2.96	2.64 -	3.29
	25-29	340	3.28	2.94 -	3.63
	30-34	304	3.90	3.46 -	4.34
	35-39	187	5.29	4.53 -	6.04
	40 +	68	9.15	7.10 -	11.60
Ventricular septal defect * (p<0.0001)	< 20	2541	47.36	45.52 -	49.21
	20-24	5407	50.08	48.74 -	51.41
	25-29	5392	52.09	50.70 -	53.48
	30-34	4448	57.11	55.43 -	58.79
	35-39	2565	72.50	69.70 -	75.31
	40 +	784	105.46	98.08 -	112.84
Atrial septal defect * (p<0.0001)	< 20	2825	52.66	50.72 -	54.60
	20-24	5686	52.66	51.29 -	54.03
	25-29	5345	51.63	50.25 -	53.02
	30-34	4257	54.66	53.01 -	56.30
	35-39	2455	69.40	66.65 -	72.14
	40 +	863	116.08	108.34 -	123.83

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Atrioventricular septal defect (endocardial cushion defect) * (p<0.0001)	< 20	180	3.36	2.87 -	3.85
	20-24	337	3.12	2.79 -	3.45
	25-29	342	3.30	2.95 -	3.65
	30-34	331	4.25	3.79 -	4.71
	35-39	286	8.08	7.15 -	9.02
	40 +	160	21.52	18.19 -	24.86
Pulmonary valve atresia or stenosis * (p<0.0001)	< 20	450	8.39	7.61 -	9.16
	20-24	906	8.39	7.84 -	8.94
	25-29	839	8.10	7.56 -	8.65
	30-34	717	9.21	8.53 -	9.88
	35-39	392	11.08	9.98 -	12.18
	40 +	100	13.45	10.94 -	16.36
Tricuspid valve atresia or stenosis * (p=0.0494)	< 20	77	1.44	1.13 -	1.79
	20-24	182	1.69	1.44 -	1.93
	25-29	176	1.70	1.45 -	1.95
	30-34	129	1.66	1.37 -	1.94
	35-39	71	2.01	1.57 -	2.53
	40 +	23	3.09	1.96 -	4.64
Ebstein anomaly	< 20	40	0.75	0.53 -	1.02
	20-24	55	0.51	0.38 -	0.66
	25-29	77	0.74	0.59 -	0.93
	30-34	61	0.78	0.60 -	1.01
	35-39	23	0.65	0.41 -	0.98
	40 +	9	1.21	0.55 -	2.30
Aortic valve stenosis * (p<0.0001)	< 20	91	1.70	1.37 -	2.08
	20-24	225	2.08	1.81 -	2.36
	25-29	236	2.28	1.99 -	2.57
	30-34	215	2.76	2.39 -	3.13
	35-39	108	3.05	2.48 -	3.63
	40 +	29	3.90	2.61 -	5.60
Hypoplastic left heart syndrome	< 20	104	1.94	1.57 -	2.31
	20-24	229	2.12	1.85 -	2.40
	25-29	212	2.05	1.77 -	2.32
	30-34	176	2.26	1.93 -	2.59
	35-39	63	1.78	1.37 -	2.28
	40 +	26	3.50	2.28 -	5.12
Patent ductus arteriosus * (p<0.0001)	< 20	2312	43.10	41.34 -	44.85
	20-24	4979	46.11	44.83 -	47.39
	25-29	5065	48.93	47.58 -	50.27
	30-34	4112	52.79	51.18 -	54.41
	35-39	2580	72.93	70.11 -	75.74
	40 +	991	133.30	125.00 -	141.60

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Coarctation of the aorta * (p<0.0001)	< 20	234	4.36	3.80 -	4.92
	20-24	460	4.26	3.87 -	4.65
	25-29	540	5.22	4.78 -	5.66
	30-34	399	5.12	4.62 -	5.63
	35-39	207	5.85	5.05 -	6.65
	40 +	71	9.55	7.46 -	12.05
<b>Respiratory</b>					
Choanal atresia or stenosis	< 20	60	1.12	0.85 -	1.44
	20-24	120	1.11	0.91 -	1.31
	25-29	124	1.20	0.99 -	1.41
	30-34	102	1.31	1.06 -	1.56
	35-39	42	1.19	0.86 -	1.60
	40 +	12	1.61	0.83 -	2.82
Agenesis, aplasia, or hypoplasia of the lung * (p=0.0034)	< 20	177	3.30	2.81 -	3.79
	20-24	348	3.22	2.88 -	3.56
	25-29	314	3.03	2.70 -	3.37
	30-34	200	2.57	2.21 -	2.92
	35-39	127	3.59	2.97 -	4.21
	40 +	36	4.84	3.39 -	6.70
<b>Oral Clefts</b>					
Cleft palate alone (without cleft lip) * (p<0.0001)	< 20	273	5.09	4.49 -	5.69
	20-24	595	5.51	5.07 -	5.95
	25-29	623	6.02	5.55 -	6.49
	30-34	473	6.07	5.53 -	6.62
	35-39	239	6.76	5.90 -	7.61
	40 +	80	10.76	8.53 -	13.39
Cleft lip with or without cleft palate * (p<0.0001)	< 20	639	11.91	10.99 -	12.83
	20-24	1181	10.94	10.31 -	11.56
	25-29	1060	10.24	9.62 -	10.86
	30-34	770	9.89	9.19 -	10.58
	35-39	382	10.80	9.72 -	11.88
	40 +	131	17.62	14.60 -	20.64
<b>Gastrointestinal</b>					
Tracheoesophageal fistula/esophageal atresia * (p<0.0001)	< 20	105	1.96	1.58 -	2.33
	20-24	199	1.84	1.59 -	2.10
	25-29	178	1.72	1.47 -	1.97
	30-34	165	2.12	1.80 -	2.44
	35-39	100	2.83	2.30 -	3.44
	40 +	43	5.78	4.19 -	7.79
Pyloric stenosis * (p<0.0001)	< 20	1367	25.48	24.13 -	26.83
	20-24	2312	21.41	20.54 -	22.29
	25-29	1854	17.91	17.09 -	18.72
	30-34	1222	15.69	14.81 -	16.57
	35-39	547	15.46	14.17 -	16.76
	40 +	97	13.05	10.58 -	15.92

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Stenosis or atresia of the small intestine * (p<0.0001)	< 20	229	4.27	3.72 -	4.82
	20-24	335	3.10	2.77 -	3.43
	25-29	291	2.81	2.49 -	3.13
	30-34	199	2.55	2.20 -	2.91
	35-39	137	3.87	3.22 -	4.52
	40 +	64	8.61	6.63 -	10.99
Stenosis or atresia of large intestine, rectum, or anal canal * (p<0.0001)	< 20	288	5.37	4.75 -	5.99
	20-24	541	5.01	4.59 -	5.43
	25-29	513	4.96	4.53 -	5.38
	30-34	390	5.01	4.51 -	5.50
	35-39	229	6.47	5.63 -	7.31
	40 +	73	9.82	7.70 -	12.35
Hirschsprung disease * (p=0.0324)	< 20	67	1.25	0.97 -	1.59
	20-24	162	1.50	1.27 -	1.73
	25-29	123	1.19	0.98 -	1.40
	30-34	88	1.13	0.91 -	1.39
	35-39	60	1.70	1.29 -	2.18
	40 +	15	2.02	1.13 -	3.33
Biliary atresia	< 20	41	0.76	0.55 -	1.04
	20-24	81	0.75	0.60 -	0.93
	25-29	72	0.70	0.54 -	0.88
	30-34	57	0.73	0.55 -	0.95
	35-39	26	0.73	0.48 -	1.08
	40 +	5	0.67	0.22 -	1.57
<b>Genitourinary</b>					
Hypospadias (cases and prevalence among males) * (p<0.0001)	< 20	1317	47.91	45.32 -	50.50
	20-24	2750	49.91	48.04 -	51.77
	25-29	3001	56.67	54.64 -	58.70
	30-34	2389	60.08	57.67 -	62.49
	35-39	1176	64.98	61.26 -	68.69
	40 +	270	71.03	62.56 -	79.50
Epispadias	< 20	34	0.63	0.44 -	0.89
	20-24	90	0.83	0.67 -	1.02
	25-29	94	0.91	0.73 -	1.11
	30-34	68	0.87	0.68 -	1.11
	35-39	35	0.99	0.69 -	1.38
	40 +	10	1.35	0.65 -	2.47
Renal agenesis or dysgenesis	< 20	279	5.20	4.59 -	5.81
	20-24	576	5.33	4.90 -	5.77
	25-29	611	5.90	5.43 -	6.37
	30-34	424	5.44	4.93 -	5.96
	35-39	209	5.91	5.11 -	6.71
	40 +	56	7.53	5.69 -	9.78

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Bladder exstrophy	< 20	11	0.21	0.10 -	0.37
	20-24	24	0.22	0.14 -	0.33
	25-29	18	0.17	0.10 -	0.27
	30-34	18	0.23	0.14 -	0.37
	35-39	6	0.17	0.06 -	0.37
	40 +	1	0.13	0.00 -	0.75
<b>Musculoskeletal</b>					
Congenital hip dislocation * (p<0.0001)	< 20	194	3.62	3.11 -	4.13
	20-24	405	3.75	3.39 -	4.12
	25-29	456	4.40	4.00 -	4.81
	30-34	388	4.98	4.49 -	5.48
	35-39	195	5.51	4.74 -	6.29
	40 +	48	6.46	4.76 -	8.56
Talipes equinovarus / clubfoot * (p<0.0001)	< 20	800	14.91	13.88 -	15.95
	20-24	1694	15.69	14.94 -	16.44
	25-29	1473	14.23	13.50 -	14.96
	30-34	1112	14.28	13.44 -	15.12
	35-39	549	15.52	14.22 -	16.82
	40 +	167	22.46	19.06 -	25.87
Reduction defects of the upper limbs * (p=0.0002)	< 20	249	4.64	4.06 -	5.22
	20-24	458	4.24	3.85 -	4.63
	25-29	391	3.78	3.40 -	4.15
	30-34	304	3.90	3.46 -	4.34
	35-39	120	3.39	2.79 -	4.00
	40 +	52	6.99	5.22 -	9.17
Reduction defects of the lower limbs * (p=0.0159)	< 20	125	2.33	1.92 -	2.74
	20-24	210	1.94	1.68 -	2.21
	25-29	208	2.01	1.74 -	2.28
	30-34	122	1.57	1.29 -	1.84
	35-39	53	1.50	1.12 -	1.96
	40 +	16	2.15	1.23 -	3.50
Craniosynostosis * (p<0.0001)	< 20	178	3.32	2.83 -	3.81
	20-24	437	4.05	3.67 -	4.43
	25-29	462	4.46	4.06 -	4.87
	30-34	438	5.62	5.10 -	6.15
	35-39	211	5.96	5.16 -	6.77
	40 +	59	7.94	6.04 -	10.24
Achondroplasia * (p=0.0112)	< 20	7	0.13	0.05 -	0.27
	20-24	27	0.25	0.16 -	0.36
	25-29	34	0.33	0.23 -	0.46
	30-34	31	0.40	0.27 -	0.56
	35-39	13	0.37	0.20 -	0.63
	40 +	6	0.81	0.30 -	1.76

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Diaphragmatic hernia	< 20	123	2.29	1.89 -	2.70
	20-24	296	2.74	2.43 -	3.05
	25-29	305	2.95	2.62 -	3.28
	30-34	196	2.52	2.16 -	2.87
	35-39	107	3.02	2.45 -	3.60
	40 +	22	2.96	1.85 -	4.48
Omphalocele * (p<0.0001)	< 20	114	2.12	1.73 -	2.52
	20-24	208	1.93	1.66 -	2.19
	25-29	198	1.91	1.65 -	2.18
	30-34	146	1.87	1.57 -	2.18
	35-39	93	2.63	2.12 -	3.22
	40 +	49	6.59	4.88 -	8.71
Gastroschisis * (p<0.0001)	< 20	812	15.14	14.09 -	16.18
	20-24	791	7.33	6.82 -	7.84
	25-29	236	2.28	1.99 -	2.57
	30-34	62	0.80	0.61 -	1.02
	35-39	30	0.85	0.57 -	1.21
	40 +	8	1.08	0.46 -	2.12
<b>Chromosomal</b>					
Trisomy 21 (Down syndrome) * (p<0.0001)	< 20	396	7.38	6.65 -	8.11
	20-24	716	6.63	6.15 -	7.12
	25-29	775	7.49	6.96 -	8.01
	30-34	994	12.76	11.97 -	13.56
	35-39	1290	36.46	34.47 -	38.45
	40 +	910	122.41	114.45 -	130.36
Trisomy 13 (Patau syndrome) * (p<0.0001)	< 20	43	0.80	0.58 -	1.08
	20-24	98	0.91	0.74 -	1.11
	25-29	91	0.88	0.71 -	1.08
	30-34	89	1.14	0.92 -	1.41
	35-39	88	2.49	2.00 -	3.06
	40 +	41	5.51	3.96 -	7.48
Trisomy 18 (Edwards syndrome) * (p<0.0001)	< 20	70	1.30	1.02 -	1.65
	20-24	132	1.22	1.01 -	1.43
	25-29	145	1.40	1.17 -	1.63
	30-34	166	2.13	1.81 -	2.46
	35-39	232	6.56	5.71 -	7.40
	40 +	213	28.65	24.80 -	32.50
<b>Infants and fetuses with any monitored birth defect *</b> (p<0.0001)	< 20	21393	398.77	393.43 -	404.11
	20-24	42510	393.71	389.96 -	397.45
	25-29	41546	401.33	397.47 -	405.19
	30-34	32878	422.13	417.56 -	426.69
	35-39	17685	499.90	492.53 -	507.27
	40 +	4866	654.53	636.14 -	672.92

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

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