

North Carolina
Birth Defects Counts and Prevalence 2014 - 2018 (Prevalence per 10,000 Live Births)

Defect	Maternal Race/Ethnicity					Total*	Notes
	White, Non-Hispanic	Black, Non-Hispanic	Hispanic	Asian or Pacific Islander, Non-Hispanic	American Alaska Native, Non-Hispanic		
Anencephalus	57 <i>1.7</i>	26 <i>1.8</i>	16 <i>1.8</i>	2 <i>0.8</i>	0 <i>0.0</i>	119 <i>2.0</i>	
Anophthalmia/microphthalmia	45 <i>1.4</i>	15 <i>1.0</i>	19 <i>2.1</i>	3 <i>1.2</i>	0 <i>0.0</i>	83 <i>1.4</i>	
Anotia/microtia	42 <i>1.3</i>	10 <i>0.7</i>	39 <i>4.3</i>	5 <i>1.9</i>	4 <i>5.0</i>	100 <i>1.7</i>	
Aortic valve stenosis	94 <i>2.8</i>	21 <i>1.5</i>	21 <i>2.3</i>	4 <i>1.5</i>	5 <i>6.2</i>	146 <i>2.4</i>	
Atrial septal defect	1,569 <i>47.4</i>	774 <i>53.8</i>	438 <i>48.1</i>	101 <i>39.1</i>	58 <i>72.3</i>	2,945 <i>49.0</i>	
Atrioventricular septal defect (Endocardial cushion defect)	187 <i>5.6</i>	107 <i>7.4</i>	44 <i>4.8</i>	10 <i>3.9</i>	5 <i>6.2</i>	356 <i>5.9</i>	
Biliary atresia	13 <i>0.4</i>	24 <i>1.7</i>	6 <i>0.7</i>	1 <i>0.4</i>	2 <i>2.5</i>	46 <i>0.8</i>	
Bladder exstrophy	7 <i>0.2</i>	4 <i>0.3</i>	0 <i>0.0</i>	1 <i>0.4</i>	0 <i>0.0</i>	13 <i>0.2</i>	
Choanal atresia	44 <i>1.3</i>	16 <i>1.1</i>	10 <i>1.1</i>	3 <i>1.2</i>	1 <i>1.2</i>	74 <i>1.2</i>	
Cleft lip alone	125 <i>3.8</i>	46 <i>3.2</i>	26 <i>2.9</i>	6 <i>2.3</i>	3 <i>3.7</i>	211 <i>3.5</i>	
Cleft lip with cleft palate	171 <i>5.2</i>	32 <i>2.2</i>	66 <i>7.2</i>	14 <i>5.4</i>	5 <i>6.2</i>	295 <i>4.9</i>	
Cleft palate alone	225 <i>6.8</i>	56 <i>3.9</i>	39 <i>4.3</i>	12 <i>4.6</i>	5 <i>6.2</i>	338 <i>5.6</i>	
Cloacal exstrophy	6 <i>0.2</i>	3 <i>0.2</i>	0 <i>0.0</i>	0 <i>0.0</i>	0 <i>0.0</i>	9 <i>0.1</i>	1
Clubfoot	671 <i>20.3</i>	266 <i>18.5</i>	152 <i>16.7</i>	32 <i>12.4</i>	17 <i>21.2</i>	1,150 <i>19.1</i>	
Coarctation of the aorta	181 <i>5.5</i>	64 <i>4.5</i>	39 <i>4.3</i>	6 <i>2.3</i>	5 <i>6.2</i>	296 <i>4.9</i>	
Common truncus (truncus arteriosus)	21 <i>0.6</i>	10 <i>0.7</i>	10 <i>1.1</i>	2 <i>0.8</i>	2 <i>2.5</i>	45 <i>0.7</i>	
Congenital cataract	35 <i>1.1</i>	20 <i>1.4</i>	9 <i>1.0</i>	5 <i>1.9</i>	0 <i>0.0</i>	70 <i>1.2</i>	
Congenital posterior urethral valves	58 <i>3.4</i>	31 <i>4.2</i>	11 <i>2.4</i>	3 <i>2.3</i>	1 <i>2.4</i>	108 <i>3.5</i>	2
Craniosynostosis	197 <i>5.9</i>	47 <i>3.3</i>	49 <i>5.4</i>	4 <i>1.5</i>	4 <i>5.0</i>	301 <i>5.0</i>	
Deletion 22q11.2	23 <i>0.7</i>	12 <i>0.8</i>	12 <i>1.3</i>	2 <i>0.8</i>	1 <i>1.2</i>	50 <i>0.8</i>	
Diaphragmatic hernia	98 <i>3.0</i>	53 <i>3.7</i>	34 <i>3.7</i>	8 <i>3.1</i>	5 <i>6.2</i>	200 <i>3.3</i>	
Double outlet right ventricle	49 <i>1.5</i>	20 <i>1.4</i>	10 <i>1.1</i>	4 <i>1.5</i>	0 <i>0.0</i>	83 <i>1.4</i>	
Ebstein anomaly	18 <i>0.5</i>	4 <i>0.3</i>	4 <i>0.4</i>	0 <i>0.0</i>	3 <i>3.7</i>	29 <i>0.5</i>	
Encephalocele	20 <i>0.6</i>	17 <i>1.2</i>	4 <i>0.4</i>	0 <i>0.0</i>	0 <i>0.0</i>	47 <i>0.8</i>	
Esophageal atresia/tracheoesophageal fistula	92 <i>2.8</i>	17 <i>1.2</i>	16 <i>1.8</i>	5 <i>1.9</i>	1 <i>1.2</i>	131 <i>2.2</i>	
Gastroschisis	152 <i>4.6</i>	41 <i>2.9</i>	48 <i>5.3</i>	7 <i>2.7</i>	3 <i>3.7</i>	258 <i>4.3</i>	
Holoprosencephaly	30 <i>0.9</i>	22 <i>1.5</i>	17 <i>1.9</i>	0 <i>0.0</i>	1 <i>1.2</i>	75 <i>1.2</i>	
Hypoplastic left heart syndrome	71 <i>2.1</i>	52 <i>3.6</i>	15 <i>1.6</i>	4 <i>1.5</i>	1 <i>1.2</i>	144 <i>2.4</i>	
Hypospadias	1,291 <i>75.9</i>	446 <i>61.1</i>	126 <i>27.3</i>	57 <i>42.9</i>	37 <i>89.9</i>	1,957 <i>63.6</i>	2
Interrupted aortic arch	25 <i>0.8</i>	10 <i>0.7</i>	4 <i>0.4</i>	1 <i>0.4</i>	1 <i>1.2</i>	43 <i>0.7</i>	

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	White, Non-Hispanic	Black, Non-Hispanic	Hispanic	Asian or Pacific Islander, Non-Hispanic	American Indian or Alaska Native, Non-Hispanic		
Limb deficiencies (reduction defects)	129 3.9	66 4.6	41 4.5	5 1.9	5 6.2	249 4.1	
Omphalocele	88 2.7	45 3.1	15 1.6	2 0.8	2 2.5	165 2.7	
Pulmonary valve atresia and stenosis	327 9.9	161 11.2	77 8.5	16 6.2	11 13.7	592 9.8	
Pulmonary valve atresia	48 1.4	36 2.5	16 1.8	1 0.4	2 2.5	103 1.7	
Rectal and large intestinal atresia/stenosis	136 4.1	52 3.6	33 3.6	12 4.6	3 3.7	237 3.9	
Renal agenesis/hypoplasia	203 6.1	85 5.9	50 5.5	12 4.6	4 5.0	360 6.0	
Single ventricle	13 0.4	13 0.9	7 0.8	2 0.8	0 0.0	36 0.6	
Small intestinal atresia/stenosis	98 3.0	44 3.1	36 4.0	5 1.9	6 7.5	189 3.1	
Spina bifida without anencephalus	121 3.7	39 2.7	33 3.6	7 2.7	1 1.2	206 3.4	
Tetralogy of Fallot	156 4.7	92 6.4	37 4.1	11 4.3	3 3.7	302 5.0	
Total anomalous pulmonary venous connection	29 0.9	16 1.1	18 2.0	4 1.5	1 1.2	69 1.1	
Transposition of the great arteries (TGA)	118 3.6	41 2.9	20 2.2	3 1.2	1 1.2	186 3.1	
Dextro-transposition of great arteries (d-TGA)	106 3.2	36 2.5	15 1.6	3 1.2	1 1.2	164 2.7	
Tricuspid valve atresia and stenosis	78 2.4	36 2.5	22 2.4	4 1.5	3 3.7	144 2.4	
Tricuspid valve atresia	63 1.9	31 2.2	20 2.2	4 1.5	3 3.7	122 2.0	
Trisomy 13	23 0.7	27 1.9	18 2.0	2 0.8	1 1.2	80 1.3	
Trisomy 18	82 2.5	36 2.5	33 3.6	5 1.9	2 2.5	180 3.0	
Trisomy 21 (Down syndrome)	376 11.4	161 11.2	211 23.2	26 10.1	15 18.7	837 13.9	
Turner syndrome	44 2.7	11 1.6	7 1.6	1 0.8	2 5.1	80 2.7	3
Ventricular septal defect	1,670 50.4	671 46.7	562 61.7	113 43.7	43 53.6	3,072 51.1	
Total live births	331,167	143,783	91,038	25,854	8,018	601,595	4
Male live births	170,176	73,013	46,230	13,289	4,114	307,686	
Female live births	160,991	70,761	44,808	12,565	3,904	293,909	

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Defect	Maternal Age (Years)		Total*	Notes
	Less than 35	35+		
Gastroschisis	250 <i>4.9</i>	8 <i>0.9</i>	258 <i>4.3</i>	
Trisomy 13	48 <i>0.9</i>	30 <i>3.3</i>	80 <i>1.3</i>	
Trisomy 18	95 <i>1.9</i>	81 <i>8.8</i>	180 <i>3.0</i>	
Trisomy 21 (Down syndrome)	380 <i>7.5</i>	449 <i>48.8</i>	837 <i>13.9</i>	
Total live births	509,601	91,981	601,595	4

Notes

1. Data for this condition include persistent cloaca.
2. Data for this condition include male and unknown gender cases only. Prevalence is calculated per 10,000 male live births.
3. Data for this condition include female and unknown gender cases only. Prevalence is calculated per 10,000 female live births.
4. Data for total live births include unknown gender.

General comments

- *Data for totals include unknown and/or other.
- Data for conditions exclude probable/possible cases.