

Minnesota
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 Indian or Alaska Native, Non-Hispanic		
Anencephalus	17 <i>0.7</i>	2 <i>0.5</i>	3 <i>1.3</i>	7 <i>2.6</i>	1 <i>1.8</i>	30 <i>0.9</i>	
Anophthalmia/microphthalmia	30 <i>1.3</i>	11 <i>2.7</i>	3 <i>1.3</i>	6 <i>2.2</i>	1 <i>1.8</i>	51 <i>1.5</i>	
Anotia/microtia	50 <i>2.2</i>	10 <i>2.5</i>	23 <i>9.7</i>	15 <i>5.5</i>	2 <i>3.5</i>	101 <i>3.0</i>	
Aortic valve stenosis	62 <i>2.7</i>	4 <i>1.0</i>	5 <i>2.1</i>	3 <i>1.1</i>	1 <i>1.8</i>	75 <i>2.3</i>	
Atrial septal defect	597 <i>25.7</i>	94 <i>23.1</i>	61 <i>25.7</i>	52 <i>19.0</i>	49 <i>86.2</i>	859 <i>25.9</i>	
Atrioventricular septal defect (Endocardial cushion defect)	134 <i>5.8</i>	23 <i>5.6</i>	5 <i>2.1</i>	12 <i>4.4</i>	2 <i>3.5</i>	176 <i>5.3</i>	1
Biliary atresia	7 <i>0.3</i>	1 <i>0.2</i>	2 <i>0.8</i>	4 <i>1.5</i>	0 <i>0.0</i>	14 <i>0.4</i>	
Bladder exstrophy	4 <i>0.2</i>	2 <i>0.5</i>	0 <i>0.0</i>	1 <i>0.4</i>	0 <i>0.0</i>	7 <i>0.2</i>	
Choanal atresia	33 <i>1.4</i>	3 <i>0.7</i>	2 <i>0.8</i>	0 <i>0.0</i>	1 <i>1.8</i>	39 <i>1.2</i>	
Cleft lip alone	73 <i>3.1</i>	8 <i>2.0</i>	5 <i>2.1</i>	10 <i>3.7</i>	5 <i>8.8</i>	101 <i>3.0</i>	
Cleft lip with cleft palate	139 <i>6.0</i>	19 <i>4.7</i>	16 <i>6.8</i>	18 <i>6.6</i>	4 <i>7.0</i>	197 <i>5.9</i>	
Cleft palate alone	166 <i>7.1</i>	20 <i>4.9</i>	14 <i>5.9</i>	24 <i>8.8</i>	8 <i>14.1</i>	233 <i>7.0</i>	
Cloacal exstrophy	2 <i>0.1</i>	0 <i>0.0</i>	0 <i>0.0</i>	1 <i>0.5</i>	0 <i>0.0</i>	3 <i>0.1</i>	2
Clubfoot	258 <i>14.0</i>	59 <i>17.8</i>	22 <i>11.5</i>	18 <i>8.2</i>	7 <i>15.6</i>	366 <i>13.8</i>	2
Coarctation of the aorta	134 <i>5.8</i>	26 <i>6.4</i>	9 <i>3.8</i>	7 <i>2.6</i>	2 <i>3.5</i>	180 <i>5.4</i>	
Common truncus (truncus arteriosus)	14 <i>0.6</i>	3 <i>0.7</i>	2 <i>0.8</i>	1 <i>0.4</i>	0 <i>0.0</i>	20 <i>0.6</i>	
Congenital cataract	63 <i>2.7</i>	26 <i>6.4</i>	5 <i>2.1</i>	7 <i>2.6</i>	1 <i>1.8</i>	103 <i>3.1</i>	
Congenital posterior urethral valves	23 <i>1.9</i>	12 <i>5.8</i>	1 <i>0.8</i>	3 <i>2.2</i>	0 <i>0.0</i>	39 <i>2.3</i>	3
Craniosynostosis	160 <i>8.7</i>	11 <i>3.3</i>	15 <i>7.8</i>	9 <i>4.1</i>	5 <i>11.1</i>	200 <i>7.6</i>	2
Deletion 22q11.2	27 <i>1.5</i>	3 <i>0.9</i>	4 <i>2.1</i>	1 <i>0.5</i>	0 <i>0.0</i>	35 <i>1.3</i>	2
Diaphragmatic hernia	68 <i>2.9</i>	12 <i>2.9</i>	13 <i>5.5</i>	5 <i>1.8</i>	2 <i>3.5</i>	100 <i>3.0</i>	
Double outlet right ventricle	45 <i>1.9</i>	15 <i>3.7</i>	4 <i>1.7</i>	6 <i>2.2</i>	0 <i>0.0</i>	70 <i>2.1</i>	
Ebstein anomaly	15 <i>0.6</i>	1 <i>0.2</i>	1 <i>0.4</i>	2 <i>0.7</i>	0 <i>0.0</i>	19 <i>0.6</i>	
Encephalocele	15 <i>0.6</i>	7 <i>1.7</i>	0 <i>0.0</i>	1 <i>0.4</i>	0 <i>0.0</i>	24 <i>0.7</i>	
Esophageal atresia/tracheoesophageal fistula	71 <i>3.1</i>	4 <i>1.0</i>	6 <i>2.5</i>	7 <i>2.6</i>	3 <i>5.3</i>	92 <i>2.8</i>	
Gastroschisis	74 <i>3.2</i>	10 <i>2.5</i>	6 <i>2.5</i>	6 <i>2.2</i>	2 <i>3.5</i>	98 <i>3.0</i>	
Holoprosencephaly	6 <i>0.3</i>	4 <i>1.2</i>	2 <i>1.0</i>	0 <i>0.0</i>	0 <i>0.0</i>	12 <i>0.5</i>	2
Hypoplastic left heart syndrome	51 <i>2.2</i>	6 <i>1.5</i>	6 <i>2.5</i>	2 <i>0.7</i>	0 <i>0.0</i>	65 <i>2.0</i>	
Hypospadias	904 <i>76.1</i>	199 <i>95.7</i>	42 <i>34.9</i>	48 <i>34.6</i>	14 <i>48.9</i>	1,216 <i>71.7</i>	3
Interrupted aortic arch	12 <i>0.7</i>	2 <i>0.6</i>	1 <i>0.5</i>	1 <i>0.5</i>	0 <i>0.0</i>	16 <i>0.6</i>	2

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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)	89 <i>3.8</i>	12 <i>2.9</i>	12 <i>5.1</i>	4 <i>1.5</i>	2 <i>3.5</i>	120 <i>3.6</i>	
Omphalocele	42 <i>1.8</i>	10 <i>2.5</i>	3 <i>1.3</i>	5 <i>1.8</i>	1 <i>1.8</i>	61 <i>1.8</i>	
Pulmonary valve atresia and stenosis	309 <i>13.3</i>	67 <i>16.4</i>	33 <i>13.9</i>	27 <i>9.9</i>	7 <i>12.3</i>	445 <i>13.4</i>	
Pulmonary valve atresia	26 <i>1.1</i>	7 <i>1.7</i>	3 <i>1.3</i>	6 <i>2.2</i>	2 <i>3.5</i>	44 <i>1.3</i>	
Rectal and large intestinal atresia/stenosis	90 <i>3.9</i>	18 <i>4.4</i>	21 <i>8.9</i>	9 <i>3.3</i>	6 <i>10.6</i>	144 <i>4.3</i>	
Renal agenesis/hypoplasia	151 <i>6.5</i>	24 <i>5.9</i>	12 <i>5.1</i>	17 <i>6.2</i>	2 <i>3.5</i>	210 <i>6.3</i>	
Single ventricle	13 <i>0.6</i>	3 <i>0.7</i>	0 <i>0.0</i>	1 <i>0.4</i>	1 <i>1.8</i>	18 <i>0.5</i>	
Small intestinal atresia/stenosis	57 <i>3.1</i>	11 <i>3.3</i>	9 <i>4.7</i>	5 <i>2.3</i>	0 <i>0.0</i>	82 <i>3.1</i>	2
Spina bifida without anencephalus	70 <i>3.0</i>	13 <i>3.2</i>	4 <i>1.7</i>	9 <i>3.3</i>	0 <i>0.0</i>	96 <i>2.9</i>	
Tetralogy of Fallot	108 <i>4.7</i>	12 <i>2.9</i>	4 <i>1.7</i>	11 <i>4.0</i>	3 <i>5.3</i>	139 <i>4.2</i>	
Total anomalous pulmonary venous connection	23 <i>1.0</i>	5 <i>1.2</i>	8 <i>3.4</i>	9 <i>3.3</i>	2 <i>3.5</i>	47 <i>1.4</i>	
Transposition of the great arteries (TGA)	78 <i>3.4</i>	10 <i>2.5</i>	3 <i>1.3</i>	2 <i>0.7</i>	4 <i>7.0</i>	97 <i>2.9</i>	
Dextro-transposition of great arteries (d-TGA)	67 <i>2.9</i>	6 <i>1.5</i>	3 <i>1.3</i>	2 <i>0.7</i>	3 <i>5.3</i>	81 <i>2.4</i>	
Tricuspid valve atresia and stenosis	24 <i>1.0</i>	7 <i>1.7</i>	1 <i>0.4</i>	3 <i>1.1</i>	0 <i>0.0</i>	35 <i>1.1</i>	
Tricuspid valve atresia	14 <i>0.6</i>	3 <i>0.7</i>	1 <i>0.4</i>	3 <i>1.1</i>	0 <i>0.0</i>	21 <i>0.6</i>	
Trisomy 13	17 <i>0.7</i>	8 <i>2.0</i>	0 <i>0.0</i>	5 <i>1.8</i>	1 <i>1.8</i>	31 <i>0.9</i>	
Trisomy 18	28 <i>1.2</i>	27 <i>6.6</i>	3 <i>1.3</i>	4 <i>1.5</i>	0 <i>0.0</i>	63 <i>1.9</i>	
Trisomy 21 (Down syndrome)	347 <i>14.9</i>	85 <i>20.8</i>	43 <i>18.2</i>	35 <i>12.8</i>	6 <i>10.6</i>	518 <i>15.6</i>	
Turner syndrome	21 <i>2.3</i>	5 <i>3.1</i>	1 <i>1.1</i>	4 <i>3.7</i>	0 <i>0.0</i>	31 <i>2.4</i>	4
Ventricular septal defect	1,586 <i>68.3</i>	252 <i>61.8</i>	165 <i>69.6</i>	146 <i>53.5</i>	53 <i>93.2</i>	2,219 <i>66.9</i>	5
Total live births	232,183	40,773	23,690	27,307	5,684	331,901	6
Male live births	118,762	20,787	12,047	13,865	2,862	169,481	
Female live births	89,964	16,268	9,336	10,668	2,215	129,336	

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Defect	Maternal Age (Years)		Total*	Notes
	Less than 35	35+		
Gastroschisis	94 <i>3.4</i>	4 <i>0.7</i>	98 <i>3.0</i>	
Trisomy 13	15 <i>0.5</i>	16 <i>2.8</i>	31 <i>0.9</i>	
Trisomy 18	33 <i>1.2</i>	30 <i>5.2</i>	63 <i>1.9</i>	
Trisomy 21 (Down syndrome)	277 <i>10.1</i>	241 <i>41.5</i>	518 <i>15.6</i>	
Total live births	273,813	58,081	331,901	6

Notes

1. Data for this condition exclude inlet ventricular septal defect.
2. Data for this condition begin in 2015.
3. Data for this condition include male and unknown gender cases only. Prevalence is calculated per 10,000 male live births.
4. Data for this condition begin in 2015. Data for this condition include female and unknown gender cases only. Prevalence is calculated per 10,000 female live births.
5. Data for this condition include inlet ventricular septal defect.
6. Data for total live births include unknown gender.

General comments

*Data for totals include unknown and/or other.

-Data for conditions exclude probable and possible cases.