

**West Virginia**  
**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	12 <i>1.5</i>	1 <i>3.6</i>	0 <i>0.0</i>	0 <i>0.0</i>	0 <i>0.0</i>	13 <i>1.5</i>	
Anophthalmia/microphthalmia	3 <i>0.4</i>	0 <i>0.0</i>	0 <i>0.0</i>	0 <i>0.0</i>	0 <i>0.0</i>	3 <i>0.4</i>	
Anotia/microtia	5 <i>0.6</i>	1 <i>3.6</i>	0 <i>0.0</i>	0 <i>0.0</i>	0 <i>0.0</i>	6 <i>0.7</i>	
Aortic valve stenosis	10 <i>1.3</i>	0 <i>0.0</i>	0 <i>0.0</i>	0 <i>0.0</i>	0 <i>0.0</i>	10 <i>1.2</i>	
Atrial septal defect	1,225 <i>156.1</i>	57 <i>206.2</i>	26 <i>159.9</i>	6 <i>86.7</i>	3 <i>361.4</i>	1,333 <i>158.1</i>	
Atrioventricular septal defect (Endocardial cushion defect)	14 <i>1.8</i>	0 <i>0.0</i>	0 <i>0.0</i>	0 <i>0.0</i>	0 <i>0.0</i>	14 <i>1.7</i>	
Biliary atresia	9 <i>1.1</i>	0 <i>0.0</i>	0 <i>0.0</i>	0 <i>0.0</i>	0 <i>0.0</i>	9 <i>1.1</i>	
Bladder exstrophy	2 <i>0.3</i>	0 <i>0.0</i>	0 <i>0.0</i>	0 <i>0.0</i>	0 <i>0.0</i>	2 <i>0.2</i>	
Choanal atresia	11 <i>1.4</i>	0 <i>0.0</i>	0 <i>0.0</i>	0 <i>0.0</i>	0 <i>0.0</i>	11 <i>1.3</i>	
Cleft lip alone	26 <i>3.3</i>	0 <i>0.0</i>	0 <i>0.0</i>	0 <i>0.0</i>	0 <i>0.0</i>	26 <i>3.1</i>	
Cleft lip with cleft palate	44 <i>5.6</i>	0 <i>0.0</i>	1 <i>6.2</i>	0 <i>0.0</i>	0 <i>0.0</i>	45 <i>5.3</i>	
Cleft palate alone	58 <i>7.4</i>	1 <i>3.6</i>	1 <i>6.2</i>	1 <i>14.5</i>	1 <i>120.5</i>	62 <i>7.4</i>	
Cloacal exstrophy	8 <i>1.0</i>	2 <i>7.2</i>	0 <i>0.0</i>	0 <i>0.0</i>	0 <i>0.0</i>	10 <i>1.2</i>	
Clubfoot	131 <i>16.7</i>	6 <i>21.7</i>	1 <i>6.2</i>	0 <i>0.0</i>	0 <i>0.0</i>	138 <i>16.4</i>	
Coarctation of the aorta	35 <i>4.5</i>	1 <i>3.6</i>	0 <i>0.0</i>	0 <i>0.0</i>	0 <i>0.0</i>	36 <i>4.3</i>	
Common truncus (truncus arteriosus)	5 <i>0.6</i>	0 <i>0.0</i>	0 <i>0.0</i>	0 <i>0.0</i>	1 <i>120.5</i>	6 <i>0.7</i>	
Congenital cataract	12 <i>1.5</i>	1 <i>3.6</i>	0 <i>0.0</i>	0 <i>0.0</i>	0 <i>0.0</i>	13 <i>1.5</i>	
Congenital posterior urethral valves	6 <i>1.5</i>	0 <i>0.0</i>	0 <i>0.0</i>	1 <i>23.8</i>	0 <i>0.0</i>	7 <i>1.6</i>	1
Craniosynostosis	122 <i>15.5</i>	3 <i>10.9</i>	1 <i>6.2</i>	1 <i>14.5</i>	0 <i>0.0</i>	127 <i>15.1</i>	
Deletion 22q11.2	3 <i>0.4</i>	0 <i>0.0</i>	0 <i>0.0</i>	0 <i>0.0</i>	0 <i>0.0</i>	3 <i>0.4</i>	
Diaphragmatic hernia	9 <i>1.1</i>	0 <i>0.0</i>	0 <i>0.0</i>	0 <i>0.0</i>	0 <i>0.0</i>	9 <i>1.1</i>	
Double outlet right ventricle	12 <i>1.5</i>	0 <i>0.0</i>	0 <i>0.0</i>	0 <i>0.0</i>	0 <i>0.0</i>	12 <i>1.4</i>	
Ebstein anomaly	10 <i>1.3</i>	0 <i>0.0</i>	0 <i>0.0</i>	0 <i>0.0</i>	0 <i>0.0</i>	10 <i>1.2</i>	
Encephalocele	13 <i>1.7</i>	1 <i>3.6</i>	0 <i>0.0</i>	0 <i>0.0</i>	0 <i>0.0</i>	14 <i>1.7</i>	
Esophageal atresia/tracheoesophageal fistula	20 <i>2.5</i>	0 <i>0.0</i>	0 <i>0.0</i>	0 <i>0.0</i>	0 <i>0.0</i>	20 <i>2.4</i>	
Gastroschisis	26 <i>3.3</i>	2 <i>7.2</i>	0 <i>0.0</i>	0 <i>0.0</i>	0 <i>0.0</i>	28 <i>3.3</i>	
Holoprosencephaly	17 <i>2.2</i>	0 <i>0.0</i>	0 <i>0.0</i>	0 <i>0.0</i>	0 <i>0.0</i>	18 <i>2.1</i>	
Hypoplastic left heart syndrome	16 <i>2.0</i>	1 <i>3.6</i>	0 <i>0.0</i>	1 <i>14.5</i>	0 <i>0.0</i>	18 <i>2.1</i>	
Hypospadias	228 <i>56.8</i>	8 <i>58.1</i>	4 <i>45.7</i>	3 <i>71.3</i>	0 <i>0.0</i>	246 <i>57.0</i>	1
Interrupted aortic arch	7 <i>0.9</i>	0 <i>0.0</i>	0 <i>0.0</i>	0 <i>0.0</i>	1 <i>120.5</i>	8 <i>0.9</i>	

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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		
Limb deficiencies (reduction defects)	26 3.3	1 3.6	0 0.0	0 0.0	0 0.0	28 3.3	
Omphalocele	11 1.4	1 3.6	0 0.0	0 0.0	0 0.0	12 1.4	
Pulmonary valve atresia and stenosis	70 8.9	4 14.5	1 6.2	0 0.0	0 0.0	75 8.9	
Pulmonary valve atresia	18 2.3	1 3.6	1 6.2	0 0.0	0 0.0	20 2.4	
Rectal and large intestinal atresia/stenosis	30 3.8	2 7.2	1 6.2	0 0.0	0 0.0	33 3.9	
Renal agenesis/hypoplasia	47 6.0	1 3.6	0 0.0	0 0.0	0 0.0	49 5.8	
Single ventricle	16 2.0	1 3.6	0 0.0	0 0.0	0 0.0	17 2.0	
Small intestinal atresia/stenosis	28 3.6	1 3.6	0 0.0	0 0.0	0 0.0	29 3.4	
Spina bifida without anencephalus	15 1.9	0 0.0	0 0.0	0 0.0	0 0.0	15 1.8	
Tetralogy of Fallot	46 5.9	1 3.6	0 0.0	0 0.0	1 120.5	48 5.7	
Total anomalous pulmonary venous connection	2 0.3	0 0.0	0 0.0	0 0.0	0 0.0	2 0.2	
Transposition of the great arteries (TGA)	17 2.2	0 0.0	0 0.0	0 0.0	0 0.0	17 2.0	
Dextro-transposition of great arteries (d-TGA)	16 2.0	0 0.0	0 0.0	0 0.0	0 0.0	16 1.9	
Tricuspid valve atresia and stenosis	10 1.3	0 0.0	0 0.0	0 0.0	0 0.0	10 1.2	
Trisomy 13	3 0.4	0 0.0	0 0.0	0 0.0	0 0.0	3 0.4	
Trisomy 18	14 1.8	0 0.0	0 0.0	0 0.0	0 0.0	14 1.7	
Trisomy 21 (Down syndrome)	58 7.4	3 10.9	0 0.0	1 14.5	0 0.0	65 7.7	
Turner syndrome	1 0.3	1 7.2	0 0.0	0 0.0	0 0.0	2 0.5	2
Ventricular septal defect	328 41.8	11 39.8	0 0.0	2 28.9	2 241.0	346 41.0	
<b>Total live births</b>	<b>78,470</b>	<b>2,764</b>	<b>1,626</b>	<b>692</b>	<b>83</b>	<b>84,318</b>	
<b>Male live births</b>	<b>40,170</b>	<b>1,377</b>	<b>875</b>	<b>421</b>	<b>44</b>	<b>43,164</b>	
<b>Female live births</b>	<b>38,300</b>	<b>1,386</b>	<b>751</b>	<b>356</b>	<b>40</b>	<b>41,154</b>	

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

Defect	Maternal Age (Years)		Total*	Notes
	Less than 35	35+		
Gastroschisis	26 <i>3.5</i>	2 <i>2.2</i>	28 <i>3.3</i>	
Trisomy 13	2 <i>0.3</i>	1 <i>1.1</i>	3 <i>0.4</i>	
Trisomy 18	8 <i>1.1</i>	6 <i>6.5</i>	14 <i>1.7</i>	
Trisomy 21 (Down syndrome)	42 <i>5.6</i>	23 <i>24.9</i>	65 <i>7.7</i>	
<b>Total live births</b>	<b>75,085</b>	<b>9,233</b>	<b>84,318</b>	

**Notes**

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

**General comments**

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