

**Utah**  
**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	34 <i>1.8</i>	0 <i>0.0</i>	8 <i>2.0</i>	2 <i>2.1</i>	0 <i>0.0</i>	46 <i>1.9</i>	
Anophthalmia/microphthalmia	35 <i>1.8</i>	0 <i>0.0</i>	8 <i>2.0</i>	2 <i>2.1</i>	0 <i>0.0</i>	46 <i>1.9</i>	
Anotia/microtia	44 <i>2.3</i>	0 <i>0.0</i>	22 <i>5.6</i>	6 <i>6.2</i>	1 <i>4.0</i>	74 <i>3.0</i>	
Aortic valve stenosis	78 <i>4.1</i>	1 <i>3.0</i>	9 <i>2.3</i>	3 <i>3.1</i>	0 <i>0.0</i>	92 <i>3.7</i>	
Atrial septal defect	520 <i>27.5</i>	10 <i>30.1</i>	122 <i>31.1</i>	28 <i>28.9</i>	12 <i>48.4</i>	713 <i>28.7</i>	1
Atrioventricular septal defect (Endocardial cushion defect)	113 <i>6.0</i>	1 <i>3.0</i>	16 <i>4.1</i>	7 <i>7.2</i>	0 <i>0.0</i>	143 <i>5.8</i>	
Biliary atresia	17 <i>0.9</i>	1 <i>3.0</i>	1 <i>0.3</i>	3 <i>3.1</i>	1 <i>4.0</i>	24 <i>1.0</i>	
Bladder exstrophy	6 <i>0.3</i>	0 <i>0.0</i>	0 <i>0.0</i>	0 <i>0.0</i>	0 <i>0.0</i>	6 <i>0.2</i>	
Choanal atresia	25 <i>1.3</i>	1 <i>3.0</i>	3 <i>0.8</i>	0 <i>0.0</i>	1 <i>4.0</i>	31 <i>1.2</i>	
Cleft lip alone	91 <i>4.8</i>	1 <i>3.0</i>	19 <i>4.8</i>	9 <i>9.3</i>	0 <i>0.0</i>	126 <i>5.1</i>	
Cleft lip with cleft palate	140 <i>7.4</i>	2 <i>6.0</i>	27 <i>6.9</i>	2 <i>2.1</i>	3 <i>12.1</i>	177 <i>7.1</i>	
Cleft palate alone	133 <i>7.0</i>	0 <i>0.0</i>	41 <i>10.5</i>	3 <i>3.1</i>	1 <i>4.0</i>	186 <i>7.5</i>	
Cloacal exstrophy	1 <i>0.1</i>	0 <i>0.0</i>	0 <i>0.0</i>	0 <i>0.0</i>	0 <i>0.0</i>	1 <i>0.0</i>	
Clubfoot	0 <i>0.0</i>	0 <i>0.0</i>	0 <i>0.0</i>	0 <i>0.0</i>	0 <i>0.0</i>	0 <i>0.0</i>	
Coarctation of the aorta	183 <i>9.7</i>	3 <i>9.0</i>	43 <i>11.0</i>	6 <i>6.2</i>	2 <i>8.1</i>	243 <i>9.8</i>	
Common truncus (truncus arteriosus)	15 <i>0.8</i>	0 <i>0.0</i>	5 <i>1.3</i>	0 <i>0.0</i>	1 <i>4.0</i>	22 <i>0.9</i>	
Congenital cataract	68 <i>3.6</i>	0 <i>0.0</i>	16 <i>4.1</i>	3 <i>3.1</i>	0 <i>0.0</i>	89 <i>3.6</i>	
Congenital posterior urethral valves	18 <i>1.9</i>	0 <i>0.0</i>	3 <i>1.5</i>	1 <i>2.0</i>	0 <i>0.0</i>	24 <i>1.9</i>	2
Craniosynostosis	229 <i>12.1</i>	1 <i>3.0</i>	43 <i>11.0</i>	0 <i>0.0</i>	2 <i>8.1</i>	281 <i>11.3</i>	
Deletion 22q11.2	26 <i>1.4</i>	0 <i>0.0</i>	7 <i>1.8</i>	1 <i>1.0</i>	1 <i>4.0</i>	35 <i>1.4</i>	
Diaphragmatic hernia	80 <i>4.2</i>	1 <i>3.0</i>	24 <i>6.1</i>	6 <i>6.2</i>	0 <i>0.0</i>	114 <i>4.6</i>	
Double outlet right ventricle	45 <i>2.4</i>	2 <i>6.0</i>	8 <i>2.0</i>	5 <i>5.2</i>	0 <i>0.0</i>	63 <i>2.5</i>	
Ebstein anomaly	20 <i>1.1</i>	0 <i>0.0</i>	6 <i>1.5</i>	0 <i>0.0</i>	0 <i>0.0</i>	27 <i>1.1</i>	
Encephalocele	21 <i>1.1</i>	1 <i>3.0</i>	3 <i>0.8</i>	0 <i>0.0</i>	0 <i>0.0</i>	26 <i>1.0</i>	
Esophageal atresia/tracheoesophageal fistula	63 <i>3.3</i>	1 <i>3.0</i>	14 <i>3.6</i>	3 <i>3.1</i>	1 <i>4.0</i>	86 <i>3.5</i>	
Gastroschisis	78 <i>4.1</i>	1 <i>3.0</i>	21 <i>5.4</i>	5 <i>5.2</i>	2 <i>8.1</i>	109 <i>4.4</i>	
Holoprosencephaly	41 <i>2.2</i>	2 <i>6.0</i>	7 <i>1.8</i>	1 <i>1.0</i>	1 <i>4.0</i>	52 <i>2.1</i>	
Hypoplastic left heart syndrome	71 <i>3.8</i>	1 <i>3.0</i>	16 <i>4.1</i>	2 <i>2.1</i>	1 <i>4.0</i>	97 <i>3.9</i>	
Hypospadias	736 <i>75.8</i>	12 <i>69.5</i>	63 <i>31.3</i>	23 <i>46.1</i>	8 <i>64.4</i>	863 <i>67.7</i>	2
Interrupted aortic arch	13 <i>0.7</i>	0 <i>0.0</i>	1 <i>0.3</i>	0 <i>0.0</i>	1 <i>4.0</i>	15 <i>0.6</i>	

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**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		
Limb deficiencies (reduction defects)	96 <i>5.1</i>	1 <i>3.0</i>	31 <i>7.9</i>	3 <i>3.1</i>	2 <i>8.1</i>	143 <i>5.8</i>	
Omphalocele	59 <i>3.1</i>	2 <i>6.0</i>	12 <i>3.1</i>	2 <i>2.1</i>	0 <i>0.0</i>	77 <i>3.1</i>	
Pulmonary valve atresia and stenosis	233 <i>12.3</i>	6 <i>18.1</i>	59 <i>15.1</i>	14 <i>14.4</i>	2 <i>8.1</i>	320 <i>12.9</i>	
Pulmonary valve atresia	24 <i>1.3</i>	0 <i>0.0</i>	7 <i>1.8</i>	4 <i>4.1</i>	0 <i>0.0</i>	35 <i>1.4</i>	
Rectal and large intestinal atresia/stenosis	80 <i>4.2</i>	1 <i>3.0</i>	15 <i>3.8</i>	3 <i>3.1</i>	2 <i>8.1</i>	105 <i>4.2</i>	
Renal agenesis/hypoplasia	91 <i>4.8</i>	2 <i>6.0</i>	21 <i>5.4</i>	8 <i>8.3</i>	1 <i>4.0</i>	129 <i>5.2</i>	
Single ventricle	7 <i>0.4</i>	0 <i>0.0</i>	1 <i>0.3</i>	0 <i>0.0</i>	0 <i>0.0</i>	8 <i>0.3</i>	
Small intestinal atresia/stenosis	59 <i>3.1</i>	2 <i>6.0</i>	20 <i>5.1</i>	4 <i>4.1</i>	1 <i>4.0</i>	87 <i>3.5</i>	
Spina bifida without anencephalus	86 <i>4.5</i>	1 <i>3.0</i>	17 <i>4.3</i>	1 <i>1.0</i>	1 <i>4.0</i>	111 <i>4.5</i>	
Tetralogy of Fallot	61 <i>3.2</i>	1 <i>3.0</i>	17 <i>4.3</i>	4 <i>4.1</i>	2 <i>8.1</i>	89 <i>3.6</i>	
Total anomalous pulmonary venous connection	20 <i>1.1</i>	0 <i>0.0</i>	12 <i>3.1</i>	1 <i>1.0</i>	0 <i>0.0</i>	34 <i>1.4</i>	
Transposition of the great arteries (TGA)	63 <i>3.3</i>	1 <i>3.0</i>	11 <i>2.8</i>	3 <i>3.1</i>	1 <i>4.0</i>	80 <i>3.2</i>	
Dextro-transposition of great arteries (d-TGA)	55 <i>2.9</i>	0 <i>0.0</i>	10 <i>2.6</i>	3 <i>3.1</i>	1 <i>4.0</i>	70 <i>2.8</i>	
Tricuspid valve atresia and stenosis	23 <i>1.2</i>	0 <i>0.0</i>	6 <i>1.5</i>	1 <i>1.0</i>	0 <i>0.0</i>	30 <i>1.2</i>	
Tricuspid valve atresia	12 <i>0.6</i>	0 <i>0.0</i>	3 <i>0.8</i>	0 <i>0.0</i>	0 <i>0.0</i>	15 <i>0.6</i>	
Trisomy 13	28 <i>1.5</i>	2 <i>6.0</i>	6 <i>1.5</i>	2 <i>2.1</i>	0 <i>0.0</i>	42 <i>1.7</i>	
Trisomy 18	59 <i>3.1</i>	4 <i>12.0</i>	14 <i>3.6</i>	7 <i>7.2</i>	1 <i>4.0</i>	89 <i>3.6</i>	
Trisomy 21 (Down syndrome)	330 <i>17.4</i>	8 <i>24.1</i>	85 <i>21.7</i>	19 <i>19.6</i>	10 <i>40.3</i>	467 <i>18.8</i>	
Turner syndrome	48 <i>5.2</i>	0 <i>0.0</i>	14 <i>7.3</i>	1 <i>2.1</i>	0 <i>0.0</i>	66 <i>5.5</i>	3
Ventricular septal defect	477 <i>25.2</i>	13 <i>39.1</i>	113 <i>28.8</i>	25 <i>25.8</i>	10 <i>40.3</i>	662 <i>26.7</i>	
<b>Total live births</b>	<b>189,236</b>	<b>3,321</b>	<b>39,191</b>	<b>9,689</b>	<b>2,481</b>	<b>248,215</b>	<b>4</b>
<b>Male live births</b>	<b>97,158</b>	<b>1,727</b>	<b>20,116</b>	<b>4,991</b>	<b>1,243</b>	<b>127,484</b>	
<b>Female live births</b>	<b>92,078</b>	<b>1,593</b>	<b>19,074</b>	<b>4,697</b>	<b>1,238</b>	<b>120,727</b>	

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

<b>Defect</b>	<b>Maternal Age (Years)</b>		<b>Total*</b>	<b>Notes</b>
	<b>Less than 35</b>	<b>35+</b>		
Gastroschisis	105 <i>4.9</i>	4 <i>1.1</i>	109 <i>4.4</i>	
Trisomy 13	26 <i>1.2</i>	16 <i>4.5</i>	42 <i>1.7</i>	
Trisomy 18	47 <i>2.2</i>	42 <i>11.9</i>	89 <i>3.6</i>	
Trisomy 21 (Down syndrome)	233 <i>11.0</i>	234 <i>66.3</i>	467 <i>18.8</i>	
<b>Total live births</b>	<b>212,745</b>	<b>35,269</b>	<b>248,215</b>	<b>4</b>

**Notes**

1. Data for this condition exclude isolated secundum atrial septal defect beginning in 2014.
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.