

Table 8: Confirmed and Probable Counts and Rates of Targeted Conditions for 2007 - 2011 Births to Indiana Women by County (rates per 10,000 births)

County	Live Births			County	Live Births		
Defect	Total	Rate		Defect	Total	Rate	
ADAMS	3281			ADAMS	3281		
All Defects	53	161.54		Trisomy 21 (Down syndrome)	5	15.24	
Atrial septal defect	9	27.43		Turner syndrome	*		
Atrioventricular septal defect	*			Ventricular septal defect	6	18.29	
Cleft lip with cleft palate	*						
Cleft palate only (without cleft lip)	*						
Clubfoot	*						
Coarctation of aorta	*						
Common truncus	*						
Congenital posterior urethral valves	*						
Diaphragmatic hernia	*						
Hypospadias	5	15.24					
Limb deficiencies (reduction defects)	*						
Pervasive developmental disorders, including autism, childhood disintegrative disorder, Asperger's syndrome, Rett syndrome, & pervasive developmental disorders not otherwise specified	8	24.38					
Pulmonary valve atresia and stenosis	*						
Renal agenesis/hypoplasia	*						
Spina bifida without anencephaly	*						
Tetralogy of Fallot (TOF)	*						

Note 1—* indicates < 5 in number occurred.

Note 2—Rates based on fewer than 20 cases are unstable and are not comparable.

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County	Live Births			County	Live Births		
Defect	Total	Rate		Defect	Total	Rate	
ALLEN	26902			ALLEN	26902		
All Defects	356	132.33		Omphalocele	*		
Anotia/microtia	*			Pervasive developmental disorders, including autism, childhood disintegrative disorder, Asperger's syndrome, Rett syndrome, & pervasive developmental disorders not otherwise specified	50	18.59	
Atrial septal defect	79	29.37		Pulmonary valve atresia and stenosis	14	5.2	
Atrioventricular septal defect	5	1.86		Rectal and large intestinal atresia/stenosis	8	2.97	
Choanal atresia	*			Renal agenesis/hypoplasia	5	1.86	
Cleft lip only (without cleft palate)	*			Small intestinal atresia/stenosis	*		
Cleft lip with cleft palate	7	2.6		Spina bifida without anencephaly	7	2.6	
Cleft palate only (without cleft lip)	8	2.97		Tetralogy of Fallot (TOF)	*		
Clubfoot	6	2.23		Total anomalous pulmonary venous connection	*		
Coarctation of aorta	*			Transposition of the great arteries	*		
Congenital cataract	*			Tricuspid valve atresia and stenosis	*		
Congenital posterior urethral valves	*			Trisomy 21 (Down syndrome)	11	4.09	
Craniosynostosis	6	2.23		Ventricular septal defect	35	13.01	
Diaphragmatic hernia	*						
Double outlet right ventricle (DORV)	*						
Encephalocele	*						
Esophageal atresia/tracheoesophageal fistula	*						
Fetal alcohol syndrome	18	6.69					
Gastroschisis	*						
Holoprosencephaly	5	1.86					
Hypoplastic left heart syndrome	*						
Hypospadias	44	16.36					
Limb deficiencies (reduction defects)	6	2.23					

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County	Live Births			County	Live Births		
Defect		Total	Rate	Defect	Total		Rate
BARTHOLOMEW	5223			BARTHOLOMEW	5223		
All Defects		93	178.06	Pervasive developmental disorders, including autism, childhood disintegrative disorder, Asperger's syndrome, Rett syndrome, & pervasive developmental disorders not otherwise specified	5		9.57
Anencephaly		*		Pulmonary valve atresia and stenosis	*		
Aortic valve stenosis		*		Rectal and large intestinal atresia/stenosis	*		
Atrial septal defect		17	32.55	Renal agenesis/hypoplasia	*		
Atrioventricular septal defect		*		Small intestinal atresia/stenosis	*		
Bladder exstrophy		*		Spina bifida without anencephaly	*		
Choanal atresia		*		Tetralogy of Fallot (TOF)	*		
Cleft lip only (without cleft palate)		*		Transposition of the great arteries	*		
Cleft lip with cleft palate		*		Tricuspid valve atresia and stenosis	*		
Cloacal exstrophy		*		Trisomy 13 (Patau syndrome)	*		
Coarctation of aorta		*		Trisomy 18 (Edwards syndrome)	*		
Common truncus		*		Trisomy 21 (Down syndrome)	*		
Craniosynostosis		*		Ventricular septal defect	18		34.46
Diaphragmatic hernia		*					
Double outlet right ventricle (DORV)		*					
Ebstein's anomaly		*					
Esophageal atresia/tracheoesophageal fistula		*					
Gastroschisis		*					
Holoprosencephaly		*					
Hypospadias		*					
Limb deficiencies (reduction defects)		*					
Omphalocele		*					

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County	Live Births			County	Live Births	
Defect		Total	Rate	Defect	Total	Rate
BENTON	509					
All Defects		8	157.17			
Atrial septal defect		*				
Atrioventricular septal defect		*				
Encephalocele		*				
Limb deficiencies (reduction defects)		*				
Pulmonary valve atresia and stenosis		*				
Ventricular septal defect		*				
BLACKFORD	743					
All Defects		19	255.72			
Atrial septal defect		7	94.21			
Cleft lip with cleft palate		*				
Diaphragmatic hernia		*				
Hypoplastic left heart syndrome		*				
Hypospadias		*				
Pervasive developmental disorders, including autism, childhood disintegrative disorder, Asperger's syndrome, Rett syndrome, & pervasive developmental disorders not otherwise specified		*				
Renal agenesis/hypoplasia		*				
Ventricular septal defect		5	67.29			

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County	Live Births			County	Live Births		
Defect	Total	Rate		Defect	Total	Rate	
BOONE	3519			BOONE	3519		
All Defects	75	213.13		Total anomalous pulmonary venous connection	*		
Atrial septal defect	11	31.26		Trisomy 21 (Down syndrome)	*		
Atrioventricular septal defect	*			Ventricular septal defect	9	25.58	
Bladder exstrophy	*			BROWN	631		
Cleft lip with cleft palate	*			All Defects	9	142.63	
Cleft palate only (without cleft lip)	*			Anophthalmia/microphthalmia	*		
Cloacal exstrophy	*			Atrial septal defect	*		
Clubfoot	*			Diaphragmatic hernia	*		
Coarctation of aorta	*			Spina bifida without anencephaly	*		
Deletion 22 q11.2	*			Trisomy 21 (Down syndrome)	*		
Encephalocele	*			Ventricular septal defect	*		
Gastroschisis	*						
Holoprosencephaly	*						
Hypoplastic left heart syndrome	*						
Hypospadias	18	51.15					
Pervasive developmental disorders, including autism, childhood disintegrative disorder, Asperger's syndrome, Rett syndrome, & pervasive developmental disorders not otherwise specified	7	19.89					
Pulmonary valve atresia and stenosis	5	14.21					
Rectal and large intestinal atresia/stenosis	*						
Renal agenesis/hypoplasia	*						
Spina bifida without anencephaly	*						
Tetralogy of Fallot (TOF)	*						

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County	Live Births			County	Live Births		
Defect		Total	Rate	Defect	Total		Rate
CARROLL	1099						
All Defects		24	218.38				
Aortic valve stenosis		*					
Atrial septal defect		*					
Atrioventricular septal defect		*					
Cleft lip only (without cleft palate)		*					
Coarctation of aorta		*					
Ebstein's anomaly		*					
Gastroschisis		*					
Hypospadias		*					
Pervasive developmental disorders, including autism, childhood disintegrative disorder, Asperger's syndrome, Rett syndrome, & pervasive developmental disorders not otherwise specified		*					
Spina bifida without anencephaly		*					
Tetralogy of Fallot (TOF)		*					
Ventricular septal defect		8	72.79				

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County	Live Births			County	Live Births		
Defect	Total	Rate		Defect	Total	Rate	
CASS	2608			CASS	2608		
All Defects	63	241.56		Spina bifida without anencephaly	*		
Atrial septal defect	9	34.51		Transposition of the great arteries	*		
Choanal atresia	*			Trisomy 21 (Down syndrome)	5	19.17	
Cleft lip only (without cleft palate)	*			Ventricular septal defect	16	61.35	
Cleft palate only (without cleft lip)	*						
Clubfoot	*			CLARK	7298		
Coarctation of aorta	*			All Defects	58	79.47	
Common truncus	*			Atrial septal defect	19	26.03	
Diaphragmatic hernia	*			Cleft lip with cleft palate	*		
Double outlet right ventricle (DORV)	*			Clubfoot	*		
Gastroschisis	*			Common truncus	*		
Holoprosencephaly	*			Craniosynostosis	*		
Hypospadias	*			Fetal alcohol syndrome	*		
Interrupted aortic arch (IAA)	*			Hypospadias	7	9.59	
Limb deficiencies (reduction defects)	*			Limb deficiencies (reduction defects)	*		
Pervasive developmental disorders, including autism, childhood disintegrative disorder, Asperger's syndrome, Rett syndrome, & pervasive developmental disorders not otherwise specified	*			Pervasive developmental disorders, including autism, childhood disintegrative disorder, Asperger's syndrome, Rett syndrome, & pervasive developmental disorders not otherwise specified	*		
Pulmonary valve atresia and stenosis	*			Pulmonary valve atresia and stenosis	*		
Rectal and large intestinal atresia/stenosis	*			Rectal and large intestinal atresia/stenosis	*		
Small intestinal atresia/stenosis	*			Renal agenesis/hypoplasia	*		
				Trisomy 21 (Down syndrome)	*		
				Ventricular septal defect	16	21.92	

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County	Live Births			County	Live Births		
Defect	Total	Rate		Defect	Total	Rate	
CLAY	1554			CLINTON	2387		
All Defects	47	302.45		All Defects	50	209.47	
Atrial septal defect	8	51.48		Atrial septal defect	12	50.27	
Cleft lip only (without cleft palate)	*			Atrioventricular septal defect	*		
Cleft lip with cleft palate	*			Clubfoot	*		
Cleft palate only (without cleft lip)	*			Coarctation of aorta	*		
Coarctation of aorta	*			Diaphragmatic hernia	*		
Craniosynostosis	*			Esophageal atresia/tracheoesophageal fistula	*		
Gastroschisis	*			Gastroschisis	*		
Hypospadias	7	45.05		Hypospadias	8	33.51	
Pervasive developmental disorders, including autism, childhood disintegrative disorder, Asperger's syndrome, Rett syndrome, & pervasive developmental disorders not otherwise specified	5	32.18		Pervasive developmental disorders, including autism, childhood disintegrative disorder, Asperger's syndrome, Rett syndrome, & pervasive developmental disorders not otherwise specified	*		
Pulmonary valve atresia and stenosis	*			Pulmonary valve atresia and stenosis	*		
Renal agenesis/hypoplasia	*			Rectal and large intestinal atresia/stenosis	*		
Tetralogy of Fallot (TOF)	*			Renal agenesis/hypoplasia	*		
Turner syndrome	*			Small intestinal atresia/stenosis	*		
Ventricular septal defect	10	64.35		Total anomalous pulmonary venous connection	*		
				Trisomy 21 (Down syndrome)	*		
				Ventricular septal defect	8	33.51	

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County	Live Births			County	Live Births		
Defect	Total	Rate		Defect	Total	Rate	
CRAWFORD	590			DAVISS	2662		
All Defects	6	101.69		All Defects	51	191.59	
Atrial septal defect	*			Atrial septal defect	9	33.81	
Common truncus	*			Atrioventricular septal defect	*		
Spina bifida without anencephaly	*			Bladder exstrophy	*		
Ventricular septal defect	*			Cleft lip with cleft palate	*		
				Cleft palate only (without cleft lip)	*		
				Clubfoot	*		
				Coarctation of aorta	*		
				Fetal alcohol syndrome	*		
				Hypoplastic left heart syndrome	*		
				Hypospadias	6	22.54	
				Pervasive developmental disorders, including autism, childhood disintegrative disorder, Asperger's syndrome, Rett syndrome, & pervasive developmental disorders not otherwise specified	*		
				Rectal and large intestinal atresia/stenosis	*		
				Renal agenesis/hypoplasia	*		
				Spina bifida without anencephaly	*		
				Transposition of the great arteries	*		
				Tricuspid valve atresia and stenosis	*		
				Trisomy 21 (Down syndrome)	5	18.78	
				Ventricular septal defect	9	33.81	

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County	Live Births			County	Live Births		
Defect		Total	Rate	Defect		Total	Rate
DEARBORN	1828			DE KALB	2687		
All Defects		10	54.7	All Defects		44	163.75
Atrioventricular septal defect		*		Anophthalmia/microphthalmia		*	
Cleft lip only (without cleft palate)		*		Atrial septal defect		8	29.77
Hypospadias		5	27.35	Cleft palate only (without cleft lip)		*	
Turner syndrome		*		Clubfoot		*	
Ventricular septal defect		*		Craniosynostosis		*	
				Esophageal atresia/tracheoesophageal fistula		*	
DECATUR	1611			Fetal alcohol syndrome		*	
All Defects		29	180.01	Holoprosencephaly		*	
Atrial septal defect		8	49.66	Hypospadias		6	22.33
Atrioventricular septal defect		*		Pervasive developmental disorders, including autism, childhood disintegrative disorder, Asperger's syndrome, Rett syndrome, & pervasive developmental disorders not otherwise specified		11	40.94
Cleft palate only (without cleft lip)		*		Pulmonary valve atresia and stenosis		*	
Craniosynostosis		*		Rectal and large intestinal atresia/stenosis		*	
Esophageal atresia/tracheoesophageal fistula		*		Spina bifida without anencephaly		*	
Gastroschisis		*		Tricuspid valve atresia and stenosis		*	
Hypospadias		*		Ventricular septal defect		*	
Pervasive developmental disorders, including autism, childhood disintegrative disorder, Asperger's syndrome, Rett syndrome, & pervasive developmental disorders not otherwise specified		*					
Rectal and large intestinal atresia/stenosis		*					
Renal agenesis/hypoplasia		*					
Small intestinal atresia/stenosis		*					
Trisomy 21 (Down syndrome)		*					
Ventricular septal defect		*					

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County	Live Births			County	Live Births		
Defect	Total	Rate		Defect	Total	Rate	
DELAWARE	6470			DELAWARE	6470		
All Defects	196	302.94		Pervasive developmental disorders, including autism, childhood disintegrative disorder, Asperger's syndrome, Rett syndrome, & pervasive developmental disorders not otherwise specified	14	21.64	
Anencephaly	*			Pulmonary valve atresia and stenosis	*		
Atrial septal defect	62	95.83		Rectal and large intestinal atresia/stenosis	*		
Atrioventricular septal defect	*			Renal agenesis/hypoplasia	*		
Biliary atresia	*			Small intestinal atresia/stenosis	*		
Bladder exstrophy	*			Spina bifida without anencephaly	*		
Choanal atresia	*			Total anomalous pulmonary venous connection	*		
Cleft lip with cleft palate	*			Transposition of the great arteries	*		
Cleft palate only (without cleft lip)	*			Tricuspid valve atresia and stenosis	*		
Clubfoot	*			Trisomy 21 (Down syndrome)	8	12.36	
Coarctation of aorta	*			Ventricular septal defect	31	47.91	
Craniosynostosis	*						
Diaphragmatic hernia	*						
Ebstein's anomaly	*						
Esophageal atresia/tracheoesophageal fistula	*						
Gastroschisis	*						
Holoprosencephaly	*						
Hypoplastic left heart syndrome	*						
Hypospadias	20	30.91					
Limb deficiencies (reduction defects)	5	7.73					
Omphalocele	*						

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County	Live Births			County	Live Births	
Defect	Total	Rate	Defect	Total	Rate	
DUBOIS	2642					
All Defects	30	113.55				
Anotia/microtia	*					
Aortic valve stenosis	*					
Atrial septal defect	*					
Cleft lip with cleft palate	*					
Cleft palate only (without cleft lip)	*					
Craniosynostosis	*					
Holoprosencephaly	*					
Hypoplastic left heart syndrome	*					
Hypospadias	5	18.93				
Limb deficiencies (reduction defects)	*					
Pervasive developmental disorders, including autism, childhood disintegrative disorder, Asperger's syndrome, Rett syndrome, & pervasive developmental disorders not otherwise specified	*					
Rectal and large intestinal atresia/stenosis	*					
Renal agenesis/hypoplasia	*					
Spina bifida without anencephaly	*					
Tetralogy of Fallot (TOF)	*					
Transposition of the great arteries	*					
Turner syndrome	*					
Ventricular septal defect	*					

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County	Live Births			County	Live Births		
Defect	Total	Rate		Defect	Total	Rate	
ELKHART	16090			ELKHART	16090		
All Defects	257	159.73		Pervasive developmental disorders, including autism, childhood disintegrative disorder, Asperger's syndrome, Rett syndrome, & pervasive developmental disorders not otherwise specified	21	13.05	
Aortic valve stenosis	*			Pulmonary valve atresia and stenosis	7	4.35	
Atrial septal defect	46	28.59		Rectal and large intestinal atresia/stenosis	*		
Atrioventricular septal defect	*			Renal agenesis/hypoplasia	7	4.35	
Cleft lip only (without cleft palate)	6	3.73		Single ventricle	*		
Cleft lip with cleft palate	5	3.11		Small intestinal atresia/stenosis	*		
Cleft palate only (without cleft lip)	8	4.97		Spina bifida without anencephaly	7	4.35	
Cloacal exstrophy	*			Tetralogy of Fallot (TOF)	*		
Clubfoot	6	3.73		Total anomalous pulmonary venous connection	*		
Coarctation of aorta	7	4.35		Transposition of the great arteries	*		
Congenital cataract	*			Trisomy 13 (Patau syndrome)	*		
Craniosynostosis	*			Trisomy 18 (Edwards syndrome)	*		
Diaphragmatic hernia	5	3.11		Trisomy 21 (Down syndrome)	10	6.22	
Double outlet right ventricle (DORV)	*			Ventricular septal defect	27	16.78	
Encephalocele	*						
Esophageal atresia/tracheoesophageal fistula	*						
Fetal alcohol syndrome	*						
Gastroschisis	10	6.22					
Holoprosencephaly	*						
Hypoplastic left heart syndrome	*						
Hypospadias	43	26.72					
Limb deficiencies (reduction defects)	*						
Omphalocele	*						

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County	Live Births			County	Live Births		
Defect	Total	Rate		Defect	Total	Rate	
FAYETTE	1221			FLOYD	4452		
All Defects	29	237.51		All Defects	41	92.09	
Aortic valve stenosis	*			Atrial septal defect	11	24.71	
Atrial septal defect	*			Cleft lip with cleft palate	*		
Atrioventricular septal defect	*			Cleft palate only (without cleft lip)	*		
Cleft lip only (without cleft palate)	*			Clubfoot	*		
Cleft lip with cleft palate	*			Hypospadias	5	11.23	
Clubfoot	*			Pervasive developmental disorders, including autism, childhood disintegrative disorder, Asperger's syndrome, Rett syndrome, & pervasive developmental disorders not otherwise specified	*		
Coarctation of aorta	*			Pulmonary valve atresia and stenosis	5	11.23	
Craniosynostosis	*			Rectal and large intestinal atresia/stenosis	*		
Diaphragmatic hernia	*			Trisomy 21 (Down syndrome)	*		
Esophageal atresia/tracheoesophageal fistula	*			Ventricular septal defect	11	24.71	
Gastroschisis	*						
Holoprosencephaly	*						
Hypospadias	7	57.33					
Limb deficiencies (reduction defects)	*						
Rectal and large intestinal atresia/stenosis	*						
Renal agenesis/hypoplasia	*						
Trisomy 21 (Down syndrome)	*						
Ventricular septal defect	*						

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County	Live Births			County	Live Births		
Defect	Total	Rate		Defect	Total	Rate	
FOUNTAIN	994			FULTON	1309		
All Defects	28	281.69		All Defects	23	175.71	
Aortic valve stenosis	*			Atrial septal defect	*		
Atrial septal defect	8	80.48		Biliary atresia	*		
Cleft palate only (without cleft lip)	*			Cleft lip with cleft palate	*		
Holoprosencephaly	*			Coarctation of aorta	*		
Hypoplastic left heart syndrome	*			Craniosynostosis	*		
Hypospadias	*			Double outlet right ventricle (DORV)	*		
Pervasive developmental disorders, including autism, childhood disintegrative disorder, Asperger's syndrome, Rett syndrome, & pervasive developmental disorders not otherwise specified	*			Fetal alcohol syndrome	*		
Pulmonary valve atresia and stenosis	*			Hypospadias	*		
Rectal and large intestinal atresia/stenosis	*			Pervasive developmental disorders, including autism, childhood disintegrative disorder, Asperger's syndrome, Rett syndrome, & pervasive developmental disorders not otherwise specified	*		
Ventricular septal defect	7	70.42		Pulmonary valve atresia and stenosis	*		
FRANKLIN	660			Rectal and large intestinal atresia/stenosis	*		
All Defects	11	166.67		Renal agenesis/hypoplasia	*		
Atrial septal defect	*			Small intestinal atresia/stenosis	*		
Coarctation of aorta	*			Spina bifida without anencephaly	*		
Gastroschisis	*			Tetralogy of Fallot (TOF)	*		
Hypospadias	*			Trisomy 21 (Down syndrome)	*		
Transposition of the great arteries	*			Ventricular septal defect	*		
Tricuspid valve atresia and stenosis	*						
Ventricular septal defect	*						

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County	Live Births			County	Live Births		
Defect		Total	Rate	Defect	Total		Rate
GIBSON	2062			GIBSON	2062		
All Defects		46	223.08	Renal agenesis/hypoplasia		*	
Anophthalmia/microphthalmia		*		Spina bifida without anencephaly		*	
Atrial septal defect		*		Tetralogy of Fallot (TOF)		*	
Bladder exstrophy		*		Trisomy 21 (Down syndrome)		*	
Choanal atresia		*		Ventricular septal defect	6		29.1
Cleft lip only (without cleft palate)		*					
Cleft lip with cleft palate		*					
Coarctation of aorta		*					
Double outlet right ventricle (DORV)		*					
Esophageal atresia/tracheoesophageal fistula		*					
Gastroschisis		*					
Holoprosencephaly		*					
Hypoplastic left heart syndrome		*					
Hypospadias		*					
Interrupted aortic arch (IAA)		*					
Limb deficiencies (reduction defects)		*					
Pervasive developmental disorders, including autism, childhood disintegrative disorder, Asperger's syndrome, Rett syndrome, & pervasive developmental disorders not otherwise specified		*					
Pulmonary valve atresia and stenosis		*					
Rectal and large intestinal atresia/stenosis		*					

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County	Live Births			County	Live Births		
Defect	Total	Rate		Defect	Total	Rate	
GRANT	4120			GRANT	4120		
All Defects	71	172.33		Small intestinal atresia/stenosis	*		
Anophthalmia/microphthalmia	*			Spina bifida without anencephaly	*		
Aortic valve stenosis	*			Tetralogy of Fallot (TOF)	*		
Atrial septal defect	10	24.27		Total anomalous pulmonary venous connection	*		
Atrioventricular septal defect	*			Trisomy 21 (Down syndrome)	*		
Cleft lip with cleft palate	*			Ventricular septal defect	9	21.84	
Cleft palate only (without cleft lip)	*						
Cloacal exstrophy	*						
Clubfoot	*						
Coarctation of aorta	*						
Diaphragmatic hernia	*						
Esophageal atresia/tracheoesophageal fistula	*						
Fetal alcohol syndrome	*						
Gastroschisis	*						
Holoprosencephaly	*						
Hypoplastic left heart syndrome	*						
Hypospadias	9	21.84					
Omphalocele	*						
Pervasive developmental disorders, including autism, childhood disintegrative disorder, Asperger's syndrome, Rett syndrome, & pervasive developmental disorders not otherwise specified	6	14.56					
Rectal and large intestinal atresia/stenosis	*						
Renal agenesis/hypoplasia	*						

Note 1—* indicates < 5 in number occurred.

Note 2—Rates based on fewer than 20 cases are unstable and are not comparable.

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County Defect	Live Births Total	Rate	County Defect	Live Births Total	Rate
GREENE	1861				
All Defects	30	161.2			
Atrial septal defect	*				
Atrioventricular septal defect	*				
Cleft lip with cleft palate	*				
Cleft palate only (without cleft lip)	*				
Cloacal exstrophy	*				
Craniosynostosis	*				
Double outlet right ventricle (DORV)	*				
Holoprosencephaly	*				
Hypospadias	8	42.99			
Pervasive developmental disorders, including autism, childhood disintegrative disorder, Asperger's syndrome, Rett syndrome, & pervasive developmental disorders not otherwise specified	*				
Rectal and large intestinal atresia/stenosis	*				
Small intestinal atresia/stenosis	*				
Tetralogy of Fallot (TOF)	*				
Ventricular septal defect	5	26.87			

Note 1—* indicates < 5 in number occurred.

Note 2—Rates based on fewer than 20 cases are unstable and are not comparable.

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County	Live Births			County	Live Births		
Defect		Total	Rate	Defect	Total		Rate
HAMILTON	19391			HAMILTON	19391		
All Defects		391	201.64	Interrupted aortic arch (IAA)	*		
Anophthalmia/microphthalmia		*		Limb deficiencies (reduction defects)	11	5.67	
Anotia/microtia		*		Omphalocele	*		
Aortic valve stenosis		*		Pervasive developmental disorders, including autism, childhood disintegrative disorder, Asperger's syndrome, Rett syndrome, & pervasive developmental disorders not otherwise specified	33	17.02	
Atrial septal defect		60	30.94	Pulmonary valve atresia and stenosis	7	3.61	
Atrioventricular septal defect		7	3.61	Rectal and large intestinal atresia/stenosis	6	3.09	
Bladder exstrophy		*		Renal agenesis/hypoplasia	*		
Choanal atresia		*		Small intestinal atresia/stenosis	*		
Cleft lip only (without cleft palate)		9	4.64	Spina bifida without anencephaly	8	4.13	
Cleft lip with cleft palate		8	4.13	Tetralogy of Fallot (TOF)	9	4.64	
Cleft palate only (without cleft lip)		11	5.67	Transposition of the great arteries	*		
Clubfoot		*		Tricuspid valve atresia and stenosis	*		
Coarctation of aorta		8	4.13	Trisomy 13 (Patau syndrome)	*		
Congenital cataract		*		Trisomy 21 (Down syndrome)	21	10.83	
Craniosynostosis		5	2.58	Ventricular septal defect	53	27.33	
Diaphragmatic hernia		6	3.09				
Double outlet right ventricle (DORV)		*					
Encephalocele		*					
Esophageal atresia/tracheoesophageal fistula		*					
Fetal alcohol syndrome		*					
Gastroschisis		*					
Holoprosencephaly		5	2.58				
Hypoplastic left heart syndrome		6	3.09				
Hypospadias		83	42.8				

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County	Live Births			County	Live Births		
Defect	Total	Rate		Defect	Total	Rate	
HANCOCK	4095			HANCOCK	4095		
All Defects	81	197.8		Renal agenesis/hypoplasia	*		
Atrial septal defect	16	39.07		Small intestinal atresia/stenosis	*		
Atrioventricular septal defect	*			Spina bifida without anencephaly	*		
Choanal atresia	*			Tetralogy of Fallot (TOF)	*		
Cleft lip only (without cleft palate)	*			Total anomalous pulmonary venous connection	*		
Cleft palate only (without cleft lip)	*			Trisomy 18 (Edwards syndrome)	*		
Clubfoot	*			Trisomy 21 (Down syndrome)	6	14.65	
Coarctation of aorta	*			Ventricular septal defect	13	31.75	
Diaphragmatic hernia	*						
Double outlet right ventricle (DORV)	*			HARRISON	2223		
Ebstein's anomaly	*			All Defects	23	103.46	
Encephalocele	*			Atrial septal defect	*		
Esophageal atresia/tracheoesophageal fistula	*			Cleft lip only (without cleft palate)	*		
Gastroschisis	*			Cleft lip with cleft palate	*		
Hypospadias	6	14.65		Hypospadias	8	35.99	
Limb deficiencies (reduction defects)	*			Pulmonary valve atresia and stenosis	*		
Pervasive developmental disorders, including autism, childhood disintegrative disorder, Asperger's syndrome, Rett syndrome, & pervasive developmental disorders not otherwise specified	*			Renal agenesis/hypoplasia	*		
Pulmonary valve atresia and stenosis	*			Trisomy 21 (Down syndrome)	*		
Rectal and large intestinal atresia/stenosis	*			Ventricular septal defect	8	35.99	

Note 1—* indicates < 5 in number occurred.

Note 2—Rates based on fewer than 20 cases are unstable and are not comparable.

County	Live Births			County	Live Births		
Defect	Total	Rate		Defect	Total	Rate	
HENDRICKS	9038			HENDRICKS	9038		
All Defects	171	189.2		Pulmonary valve atresia and stenosis	7	7.75	
Aortic valve stenosis	*			Rectal and large intestinal atresia/stenosis	7	7.75	
Atrial septal defect	31	34.3		Renal agenesis/hypoplasia	*		
Atrioventricular septal defect	*			Single ventricle	*		
Choanal atresia	*			Small intestinal atresia/stenosis	*		
Cleft lip only (without cleft palate)	*			Spina bifida without anencephaly	*		
Cleft lip with cleft palate	*			Tetralogy of Fallot (TOF)	*		
Cleft palate only (without cleft lip)	*			Total anomalous pulmonary venous connection	*		
Cloacal exstrophy	*			Transposition of the great arteries	*		
Coarctation of aorta	*			Trisomy 18 (Edwards syndrome)	*		
Common truncus	*			Trisomy 21 (Down syndrome)	14	15.49	
Congenital posterior urethral valves	*			Ventricular septal defect	29	32.09	
Craniosynostosis	*						
Diaphragmatic hernia	*						
Double outlet right ventricle (DORV)	*						
Gastroschisis	6	6.64					
Holoprosencephaly	*						
Hypospadias	23	25.45					
Limb deficiencies (reduction defects)	*						
Pervasive developmental disorders, including autism, childhood disintegrative disorder, Asperger's syndrome, Rett syndrome, & pervasive developmental disorders not otherwise specified	11	12.17					

Note 1—* indicates < 5 in number occurred.

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County	Live Births			County	Live Births		
Defect	Total	Rate		Defect	Total	Rate	
HENRY	2500			HENRY	2500		
All Defects	60	240		Ventricular septal defect	12	48	
Atrial septal defect	13	52					
Atrioventricular septal defect	*						
Biliary atresia	*						
Choanal atresia	*						
Cleft lip only (without cleft palate)	*						
Cleft lip with cleft palate	*						
Cleft palate only (without cleft lip)	*						
Double outlet right ventricle (DORV)	*						
Esophageal atresia/tracheoesophageal fistula	*						
Gastroschisis	*						
Holoprosencephaly	*						
Hypospadias	9	36					
Pervasive developmental disorders, including autism, childhood disintegrative disorder, Asperger's syndrome, Rett syndrome, & pervasive developmental disorders not otherwise specified	*						
Pulmonary valve atresia and stenosis	*						
Rectal and large intestinal atresia/stenosis	*						
Spina bifida without anencephaly	*						
Tetralogy of Fallot (TOF)	*						
Trisomy 18 (Edwards syndrome)	*						

Note 1—* indicates < 5 in number occurred.

Note 2—Rates based on fewer than 20 cases are unstable and are not comparable.

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County	Live Births			County	Live Births		
Defect	Total	Rate		Defect	Total	Rate	
HOWARD	5239			HOWARD	5239		
All Defects	146	278.68		Omphalocele	*		
Anotia/microtia	*			Pervasive developmental disorders, including autism, childhood disintegrative disorder, Asperger's syndrome, Rett syndrome, & pervasive developmental disorders not otherwise specified	6	11.45	
Aortic valve stenosis	*			Pulmonary valve atresia and stenosis	*		
Atrial septal defect	27	51.54		Rectal and large intestinal atresia/stenosis	*		
Atrioventricular septal defect	*			Small intestinal atresia/stenosis	*		
Bladder exstrophy	*			Spina bifida without anencephaly	8	15.27	
Choanal atresia	*			Tetralogy of Fallot (TOF)	*		
Cleft lip only (without cleft palate)	*			Transposition of the great arteries	*		
Cleft lip with cleft palate	*			Tricuspid valve atresia and stenosis	*		
Cleft palate only (without cleft lip)	*			Trisomy 21 (Down syndrome)	7	13.36	
Cloacal exstrophy	*			Turner syndrome	*		
Clubfoot	*			Ventricular septal defect	28	53.45	
Coarctation of aorta	*						
Craniosynostosis	*						
Deletion 22 q11.2	*						
Diaphragmatic hernia	*						
Double outlet right ventricle (DORV)	*						
Encephalocele	*						
Esophageal atresia/tracheoesophageal fistula	*						
Fetal alcohol syndrome	*						
Gastroschisis	*						
Holoprosencephaly	*						
Hypospadias	19	36.27					
Limb deficiencies (reduction defects)	*						

Note 1—* indicates < 5 in number occurred.

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County	Live Births			County	Live Births		
Defect	Total	Rate		Defect	Total	Rate	
HUNTINGTON	2194			JACKSON	2820		
All Defects	45	205.1		All Defects	49	173.76	
Atrial septal defect	12	54.69		Anotia/microtia	*		
Cleft lip only (without cleft palate)	*			Atrial septal defect	18	63.83	
Cleft lip with cleft palate	*			Choanal atresia	*		
Cleft palate only (without cleft lip)	*			Cleft lip with cleft palate	*		
Clubfoot	*			Cleft palate only (without cleft lip)	*		
Congenital posterior urethral valves	*			Craniosynostosis	*		
Craniosynostosis	*			Double outlet right ventricle (DORV)	*		
Esophageal atresia/tracheoesophageal fistula	*			Gastroschisis	*		
Fetal alcohol syndrome	*			Holoprosencephaly	*		
Hypoplastic left heart syndrome	*			Hypospadias	5	17.73	
Hypospadias	7	31.91		Limb deficiencies (reduction defects)	*		
Pervasive developmental disorders, including autism, childhood disintegrative disorder, Asperger's syndrome, Rett syndrome, & pervasive developmental disorders not otherwise specified	*			Pulmonary valve atresia and stenosis	*		
Renal agenesis/hypoplasia	*			Rectal and large intestinal atresia/stenosis	*		
Small intestinal atresia/stenosis	*			Renal agenesis/hypoplasia	*		
Spina bifida without anencephaly	*			Small intestinal atresia/stenosis	*		
Trisomy 21 (Down syndrome)	*			Total anomalous pulmonary venous connection	*		
Ventricular septal defect	5	22.79		Ventricular septal defect	6	21.28	

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County	Live Births			County	Live Births		
Defect		Total	Rate	Defect	Total		Rate
JASPER	2007			JAY	1502		
All Defects		51	254.11	All Defects		30	199.73
Atrial septal defect		9	44.84	Atrial septal defect		13	86.55
Atrioventricular septal defect		*		Atrioventricular septal defect		*	
Cleft lip with cleft palate		*		Cleft palate only (without cleft lip)		*	
Cleft palate only (without cleft lip)		*		Ebstein's anomaly		*	
Clubfoot		*		Hypospadias		*	
Diaphragmatic hernia		*		Pervasive developmental disorders, including autism, childhood disintegrative disorder, Asperger's syndrome, Rett syndrome, & pervasive developmental disorders not otherwise specified		*	
Gastroschisis		*		Pulmonary valve atresia and stenosis		*	
Holoprosencephaly		*		Rectal and large intestinal atresia/stenosis		*	
Hypospadias		9	44.84	Transposition of the great arteries		*	
Limb deficiencies (reduction defects)		*		Trisomy 21 (Down syndrome)		*	
Pervasive developmental disorders, including autism, childhood disintegrative disorder, Asperger's syndrome, Rett syndrome, & pervasive developmental disorders not otherwise specified		*		Ventricular septal defect		*	
Pulmonary valve atresia and stenosis		*					
Rectal and large intestinal atresia/stenosis		*					
Renal agenesis/hypoplasia		*					
Transposition of the great arteries		*					
Trisomy 21 (Down syndrome)		5	24.91				
Ventricular septal defect		9	44.84				

Note 1—* indicates < 5 in number occurred.

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County	Live Births			County	Live Births		
Defect	Total	Rate		Defect	Total	Rate	
JEFFERSON	1893			JENNINGS	1794		
All Defects	35	184.89		All Defects	36	200.67	
Atrial septal defect	*			Anophthalmia/microphthalmia	*		
Cleft lip only (without cleft palate)	*			Aortic valve stenosis	*		
Cleft lip with cleft palate	*			Atrial septal defect	7	39.02	
Craniosynostosis	*			Atrioventricular septal defect	*		
Encephalocele	*			Cleft lip with cleft palate	*		
Gastroschisis	*			Coarctation of aorta	*		
Hypoplastic left heart syndrome	*			Double outlet right ventricle (DORV)	*		
Hypospadias	9	47.54		Ebstein's anomaly	*		
Limb deficiencies (reduction defects)	*			Esophageal atresia/tracheoesophageal fistula	*		
Pervasive developmental disorders, including autism, childhood disintegrative disorder, Asperger's syndrome, Rett syndrome, & pervasive developmental disorders not otherwise specified	*			Gastroschisis	*		
Pulmonary valve atresia and stenosis	*			Hypospadias	*		
Renal agenesis/hypoplasia	*			Pulmonary valve atresia and stenosis	*		
Trisomy 21 (Down syndrome)	*			Rectal and large intestinal atresia/stenosis	*		
Ventricular septal defect	6	31.7		Renal agenesis/hypoplasia	*		
				Total anomalous pulmonary venous connection	*		
				Transposition of the great arteries	*		
				Trisomy 21 (Down syndrome)	*		
				Ventricular septal defect	6	33.44	

Note 1—* indicates < 5 in number occurred.

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County	Live Births			County	Live Births		
Defect		Total	Rate	Defect	Total		Rate
JOHNSON	9337			JOHNSON	9337		
All Defects		178	190.64	Limb deficiencies (reduction defects)	*		
Anotia/microtia		*		Pervasive developmental disorders, including autism, childhood disintegrative disorder, Asperger's syndrome, Rett syndrome, & pervasive developmental disorders not otherwise specified	19		20.35
Aortic valve stenosis		*		Rectal and large intestinal atresia/stenosis	5		5.36
Atrial septal defect		44	47.12	Renal agenesis/hypoplasia	*		
Atrioventricular septal defect		*		Small intestinal atresia/stenosis	*		
Bladder exstrophy		*		Spina bifida without anencephaly	*		
Choanal atresia		*		Tetralogy of Fallot (TOF)	*		
Cleft lip with cleft palate		8	8.57	Transposition of the great arteries	*		
Cleft palate only (without cleft lip)		5	5.36	Trisomy 13 (Patau syndrome)	*		
Clubfoot		*		Trisomy 18 (Edwards syndrome)	*		
Coarctation of aorta		7	7.5	Trisomy 21 (Down syndrome)	9		9.64
Common truncus		*		Ventricular septal defect	26		27.85
Congenital posterior urethral valves		*					
Craniosynostosis		*					
Diaphragmatic hernia		*					
Double outlet right ventricle (DORV)		*					
Encephalocele		*					
Esophageal atresia/tracheoesophageal fistula		*					
Fetal alcohol syndrome		*					
Gastroschisis		5	5.36				
Holoprosencephaly		*					
Hypoplastic left heart syndrome		*					
Hypospadias		11	11.78				

Note 1—* indicates < 5 in number occurred.

Note 2—Rates based on fewer than 20 cases are unstable and are not comparable.

County	Live Births			County	Live Births		
Defect	Total	Rate		Defect	Total	Rate	
KNOX	2313			KOSCIUSKO	5239		
All Defects	47	203.2		All Defects	82	156.52	
Anotia/microtia	*			Atrial septal defect	20	38.18	
Atrial septal defect	13	56.2		Atrioventricular septal defect	*		
Atrioventricular septal defect	*			Cleft lip with cleft palate	*		
Cleft lip with cleft palate	*			Cleft palate only (without cleft lip)	*		
Coarctation of aorta	*			Coarctation of aorta	*		
Craniosynostosis	*			Esophageal atresia/tracheoesophageal fistula	*		
Gastroschisis	*			Fetal alcohol syndrome	*		
Hypospadias	6	25.94		Gastroschisis	*		
Pervasive developmental disorders, including autism, childhood disintegrative disorder, Asperger's syndrome, Rett syndrome, & pervasive developmental disorders not otherwise specified	*			Holoprosencephaly	*		
Pulmonary valve atresia and stenosis	*			Hypoplastic left heart syndrome	*		
Rectal and large intestinal atresia/stenosis	*			Hypospadias	17	32.45	
Renal agenesis/hypoplasia	*			Pervasive developmental disorders, including autism, childhood disintegrative disorder, Asperger's syndrome, Rett syndrome, & pervasive developmental disorders not otherwise specified	5	9.54	
Single ventricle	*			Pulmonary valve atresia and stenosis	*		
Spina bifida without anencephaly	*			Rectal and large intestinal atresia/stenosis	*		
Transposition of the great arteries	*			Renal agenesis/hypoplasia	*		
Tricuspid valve atresia and stenosis	*			Tetralogy of Fallot (TOF)	*		
Trisomy 21 (Down syndrome)	*			Transposition of the great arteries	*		
Ventricular septal defect	7	30.26		Trisomy 21 (Down syndrome)	*		
				Ventricular septal defect	16	30.54	

Note 1—* indicates < 5 in number occurred.

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County	Live Births			County	Live Births		
Defect	Total	Rate		Defect	Total	Rate	
LAGRANGE	3777						
All Defects	33	87.37					
Atrial septal defect	5	13.24					
Coarctation of aorta	*						
Congenital posterior urethral valves	*						
Craniosynostosis	*						
Diaphragmatic hernia	*						
Fetal alcohol syndrome	*						
Hypoplastic left heart syndrome	*						
Hypospadias	8	21.18					
Limb deficiencies (reduction defects)	*						
Pervasive developmental disorders, including autism, childhood disintegrative disorder, Asperger's syndrome, Rett syndrome, & pervasive developmental disorders not otherwise specified	*						
Renal agenesis/hypoplasia	*						
Single ventricle	*						
Transposition of the great arteries	*						
Tricuspid valve atresia and stenosis	*						
Trisomy 21 (Down syndrome)	*						
Ventricular septal defect	*						

Note 1—* indicates < 5 in number occurred.

Note 2—Rates based on fewer than 20 cases are unstable and are not comparable.

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County	Live Births			County	Live Births		
Defect	Total	Rate		Defect	Total	Rate	
LAKE	32214			LAKE	32214		
All Defects	533	165.46		Holoprosencephaly	7	2.17	
Anencephaly	*			Hypoplastic left heart syndrome	5	1.55	
Anophthalmia/microphthalmia	*			Hypospadias	76	23.59	
Anotia/microtia	5	1.55		Limb deficiencies (reduction defects)	5	1.55	
Aortic valve stenosis	*			Omphalocele	*		
Atrial septal defect	103	31.97		Pervasive developmental disorders, including autism, childhood disintegrative disorder, Asperger's syndrome, Rett syndrome, & pervasive developmental disorders not otherwise specified	35	10.86	
Atrioventricular septal defect	12	3.73		Pulmonary valve atresia and stenosis	14	4.35	
Biliary atresia	*			Rectal and large intestinal atresia/stenosis	7	2.17	
Choanal atresia	*			Renal agenesis/hypoplasia	*		
Cleft lip only (without cleft palate)	12	3.73		Single ventricle	*		
Cleft lip with cleft palate	13	4.04		Small intestinal atresia/stenosis	*		
Cleft palate only (without cleft lip)	11	3.41		Spina bifida without anencephaly	9	2.79	
Clubfoot	7	2.17		Tetralogy of Fallot (TOF)	*		
Coarctation of aorta	7	2.17		Transposition of the great arteries	7	2.17	
Common truncus	*			Tricuspid valve atresia and stenosis	*		
Congenital cataract	*			Trisomy 13 (Patau syndrome)	*		
Congenital posterior urethral valves	*			Trisomy 18 (Edwards syndrome)	*		
Craniosynostosis	*			Trisomy 21 (Down syndrome)	42	13.04	
Deletion 22 q11.2	*			Ventricular septal defect	97	30.11	
Diaphragmatic hernia	8	2.48					
Double outlet right ventricle (DORV)	*						
Esophageal atresia/tracheoesophageal fistula	*						
Fetal alcohol syndrome	*						
Gastroschisis	9	2.79					

Note 1—* indicates < 5 in number occurred.

Note 2—Rates based on fewer than 20 cases are unstable and are not comparable.

County	Live Births			County	Live Births		
Defect	Total	Rate		Defect	Total	Rate	
LA PORTE	6841			LA PORTE	6841		
All Defects	100	146.18		Pervasive developmental disorders, including autism, childhood disintegrative disorder, Asperger's syndrome, Rett syndrome, & pervasive developmental disorders not otherwise specified	6	8.77	
Anophthalmia/microphthalmia	*			Pulmonary valve atresia and stenosis	*		
Aortic valve stenosis	*			Rectal and large intestinal atresia/stenosis	*		
Atrial septal defect	18	26.31		Renal agenesis/hypoplasia	*		
Bladder exstrophy	*			Single ventricle	*		
Choanal atresia	*			Spina bifida without anencephaly	*		
Cleft lip with cleft palate	*			Tetralogy of Fallot (TOF)	*		
Cleft palate only (without cleft lip)	*			Transposition of the great arteries	*		
Coarctation of aorta	*			Trisomy 18 (Edwards syndrome)	*		
Congenital posterior urethral valves	*			Trisomy 21 (Down syndrome)	*		
Diaphragmatic hernia	*			Ventricular septal defect	17	24.85	
Double outlet right ventricle (DORV)	*						
Encephalocele	*						
Esophageal atresia/tracheoesophageal fistula	*						
Fetal alcohol syndrome	*						
Gastroschisis	*						
Holoprosencephaly	*						
Hypospadias	13	19					
Limb deficiencies (reduction defects)	*						

Note 1—* indicates < 5 in number occurred.

Note 2—Rates based on fewer than 20 cases are unstable and are not comparable.

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County Defect	Live Births Total	Rate	County Defect	Live Births Total	Rate
LAWRENCE	2504				
All Defects	53	211.66			
Aortic valve stenosis	*				
Atrial septal defect	10	39.94			
Cleft palate only (without cleft lip)	*				
Clubfoot	*				
Coarctation of aorta	*				
Craniosynostosis	*				
Deletion 22 q11.2	*				
Double outlet right ventricle (DORV)	*				
Ebstein's anomaly	*				
Holoprosencephaly	*				
Hypospadias	12	47.92			
Pervasive developmental disorders, including autism, childhood disintegrative disorder, Asperger's syndrome, Rett syndrome, & pervasive developmental disorders not otherwise specified	6	23.96			
Pulmonary valve atresia and stenosis	*				
Spina bifida without anencephaly	*				
Tetralogy of Fallot (TOF)	*				
Transposition of the great arteries	*				
Trisomy 18 (Edwards syndrome)	*				
Trisomy 21 (Down syndrome)	*				
Ventricular septal defect	6	23.96			

Note 1—* indicates < 5 in number occurred.

Note 2—Rates based on fewer than 20 cases are unstable and are not comparable.

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County	Live Births			County	Live Births		
Defect	Total	Rate		Defect	Total	Rate	
MADISON	8057			MADISON	8057		
All Defects	150	186.17		Pulmonary valve atresia and stenosis	5	6.21	
Atrial septal defect	21	26.06		Rectal and large intestinal atresia/stenosis	*		
Atrioventricular septal defect	*			Renal agenesis/hypoplasia	*		
Cleft lip only (without cleft palate)	6	7.45		Small intestinal atresia/stenosis	*		
Cleft lip with cleft palate	*			Spina bifida without anencephaly	*		
Cleft palate only (without cleft lip)	5	6.21		Tetralogy of Fallot (TOF)	*		
Cloacal exstrophy	*			Total anomalous pulmonary venous connection	*		
Clubfoot	*			Tricuspid valve atresia and stenosis	*		
Coarctation of aorta	*			Trisomy 21 (Down syndrome)	9	11.17	
Congenital cataract	*			Ventricular septal defect	21	26.06	
Craniosynostosis	*						
Diaphragmatic hernia	*						
Ebstein's anomaly	*						
Esophageal atresia/tracheoesophageal fistula	*						
Fetal alcohol syndrome	*						
Gastroschisis	*						
Holoprosencephaly	*						
Hypoplastic left heart syndrome	*						
Hypospadias	25	31.03					
Limb deficiencies (reduction defects)	*						
Pervasive developmental disorders, including autism, childhood disintegrative disorder, Asperger's syndrome, Rett syndrome, & pervasive developmental disorders not otherwise specified	12	14.89					

Note 1—* indicates < 5 in number occurred.

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County	Live Births			County	Live Births		
Defect	Total	Rate		Defect	Total	Rate	
MARION	75363			MARION	75363		
All Defects	1438	190.81		Encephalocele	*		
Anencephaly	*			Esophageal atresia/tracheoesophageal fistula	20	2.65	
Anophthalmia/microphthalmia	6	.8		Fetal alcohol syndrome	19	2.52	
Anotia/microtia	6	.8		Gastroschisis	34	4.51	
Aortic valve stenosis	13	1.72		Holoprosencephaly	24	3.18	
Atrial septal defect	302	40.07		Hypoplastic left heart syndrome	11	1.46	
Atrioventricular septal defect	23	3.05		Hypospadias	176	23.35	
Biliary atresia	5	.66		Interrupted aortic arch (IAA)	*		
Bladder exstrophy	*			Limb deficiencies (reduction defects)	13	1.72	
Choanal atresia	10	1.33		Omphalocele	6	.8	
Cleft lip only (without cleft palate)	10	1.33		Pervasive developmental disorders, including autism, childhood disintegrative disorder, Asperger's syndrome, Rett syndrome, & pervasive developmental disorders not otherwise specified	113	14.99	
Cleft lip with cleft palate	39	5.17		Pulmonary valve atresia and stenosis	44	5.84	
Cleft palate only (without cleft lip)	32	4.25		Rectal and large intestinal atresia/stenosis	21	2.79	
Cloacal exstrophy	*			Renal agenesis/hypoplasia	17	2.26	
Clubfoot	17	2.26		Single ventricle	*		
Coarctation of aorta	31	4.11		Small intestinal atresia/stenosis	11	1.46	
Common truncus	*			Spina bifida without anencephaly	16	2.12	
Congenital cataract	5	.66		Tetralogy of Fallot (TOF)	17	2.26	
Congenital posterior urethral valves	5	.66		Total anomalous pulmonary venous connection	5	.66	
Craniosynostosis	16	2.12					
Deletion 22 q11.2	*						
Diaphragmatic hernia	23	3.05					
Double outlet right ventricle (DORV)	8	1.06					
Ebstein's anomaly	*						

Note 1—* indicates < 5 in number occurred.

Note 2—Rates based on fewer than 20 cases are unstable and are not comparable.

County	Live Births			County	Live Births		
Defect	Total	Rate		Defect	Total	Rate	
MARION	75363			MARSHALL	3094		
Transposition of the great arteries	14	1.86		All Defects	32	103.43	
Tricuspid valve atresia and stenosis	5	.66		Atrial septal defect	5	16.16	
Trisomy 13 (Patau syndrome)	7	.93		Cleft lip only (without cleft palate)	*		
Trisomy 18 (Edwards syndrome)	11	1.46		Coarctation of aorta	*		
Trisomy 21 (Down syndrome)	71	9.42		Craniosynostosis	*		
Turner syndrome	*			Diaphragmatic hernia	*		
Ventricular septal defect	205	27.2		Ebstein's anomaly	*		
				Esophageal atresia/tracheoesophageal fistula	*		
				Gastroschisis	*		
				Hypospadias	*		
				Omphalocele	*		
				Pervasive developmental disorders, including autism, childhood disintegrative disorder, Asperger's syndrome, Rett syndrome, & pervasive developmental disorders not otherwise specified	*		
				Pulmonary valve atresia and stenosis	*		
				Rectal and large intestinal atresia/stenosis	*		
				Spina bifida without anencephaly	*		
				Trisomy 21 (Down syndrome)	*		
				Ventricular septal defect	*		

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County	Live Births			County	Live Births		
Defect	Total	Rate		Defect	Total	Rate	
MARTIN	647			MIAMI	2008		
All Defects	11	170.02		All Defects	43	214.14	
Aortic valve stenosis	*			Atrial septal defect	12	59.76	
Cleft lip with cleft palate	*			Cleft palate only (without cleft lip)	*		
Coarctation of aorta	*			Clubfoot	*		
Gastroschisis	*			Coarctation of aorta	*		
Hypospadias	*			Craniosynostosis	*		
Spina bifida without anencephaly	*			Double outlet right ventricle (DORV)	*		
Ventricular septal defect	*			Fetal alcohol syndrome	*		
				Gastroschisis	*		
				Hypoplastic left heart syndrome	*		
				Hypospadias	*		
				Pervasive developmental disorders, including autism, childhood disintegrative disorder, Asperger's syndrome, Rett syndrome, & pervasive developmental disorders not otherwise specified	*		
				Pulmonary valve atresia and stenosis	*		
				Tetralogy of Fallot (TOF)	*		
				Total anomalous pulmonary venous connection	*		
				Transposition of the great arteries	*		
				Trisomy 21 (Down syndrome)	*		
				Ventricular septal defect	6	29.88	

Note 1—* indicates < 5 in number occurred.

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County	Live Births			County	Live Births		
Defect		Total	Rate	Defect	Total		Rate
MONROE	6556			MONROE	6556		
All Defects		145	221.17	Pervasive developmental disorders, including autism, childhood disintegrative disorder, Asperger's syndrome, Rett syndrome, & pervasive developmental disorders not otherwise specified		*	
Anotia/microtia		*		Pulmonary valve atresia and stenosis		*	
Atrial septal defect		32	48.81	Rectal and large intestinal atresia/stenosis		*	
Atrioventricular septal defect		*		Renal agenesis/hypoplasia		*	
Cleft lip only (without cleft palate)		*		Single ventricle		*	
Cleft lip with cleft palate		*		Small intestinal atresia/stenosis		*	
Cleft palate only (without cleft lip)		8	12.2	Spina bifida without anencephaly		*	
Cloacal exstrophy		*		Tetralogy of Fallot (TOF)		*	
Clubfoot		*		Total anomalous pulmonary venous connection		*	
Coarctation of aorta		6	9.15	Transposition of the great arteries		*	
Congenital posterior urethral valves		*		Trisomy 18 (Edwards syndrome)		*	
Craniosynostosis		*		Trisomy 21 (Down syndrome)	10		15.25
Double outlet right ventricle (DORV)		*		Ventricular septal defect	29		44.23
Ebstein's anomaly		*					
Encephalocele		*					
Esophageal atresia/tracheoesophageal fistula		*					
Gastroschisis		*					
Holoprosencephaly		*					
Hypoplastic left heart syndrome		*					
Hypospadias		12	18.3				

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County	Live Births			County	Live Births		
Defect	Total	Rate		Defect	Total	Rate	
MONTGOMERY	2371			MONTGOMERY	2371		
All Defects	74	312.1		Small intestinal atresia/stenosis	*		
Anotia/microtia	*			Total anomalous pulmonary venous connection	*		
Aortic valve stenosis	*			Tricuspid valve atresia and stenosis	*		
Atrial septal defect	16	67.48		Turner syndrome	*		
Atrioventricular septal defect	*			Ventricular septal defect	15	63.26	
Cleft lip only (without cleft palate)	*						
Cleft lip with cleft palate	*						
Cleft palate only (without cleft lip)	*						
Coarctation of aorta	*						
Double outlet right ventricle (DORV)	*						
Fetal alcohol syndrome	*						
Gastroschisis	*						
Holoprosencephaly	*						
Hypoplastic left heart syndrome	*						
Hypospadias	11	46.39					
Limb deficiencies (reduction defects)	*						
Pervasive developmental disorders, including autism, childhood disintegrative disorder, Asperger's syndrome, Rett syndrome, & pervasive developmental disorders not otherwise specified	*						
Pulmonary valve atresia and stenosis	*						
Renal agenesis/hypoplasia	*						
Single ventricle	*						

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County	Live Births			County	Live Births		
Defect	Total	Rate		Defect	Total	Rate	
MORGAN	4161			MORGAN	4161		
All Defects	88	211.49		Pulmonary valve atresia and stenosis	*		
Aortic valve stenosis	*			Rectal and large intestinal atresia/stenosis	*		
Atrial septal defect	22	52.87		Renal agenesis/hypoplasia	*		
Biliary atresia	*			Small intestinal atresia/stenosis	*		
Bladder exstrophy	*			Spina bifida without anencephaly	*		
Choanal atresia	*			Tetralogy of Fallot (TOF)	*		
Cleft lip only (without cleft palate)	*			Transposition of the great arteries	*		
Cleft lip with cleft palate	*			Tricuspid valve atresia and stenosis	*		
Cleft palate only (without cleft lip)	*			Trisomy 21 (Down syndrome)	*		
Clubfoot	*			Ventricular septal defect	9	21.63	
Coarctation of aorta	*						
Craniosynostosis	*						
Diaphragmatic hernia	*						
Double outlet right ventricle (DORV)	*						
Encephalocele	*						
Esophageal atresia/tracheoesophageal fistula	*						
Gastroschisis	*						
Holoprosencephaly	*						
Hypospadias	11	26.44					
Interrupted aortic arch (IAA)	*						
Pervasive developmental disorders, including autism, childhood disintegrative disorder, Asperger's syndrome, Rett syndrome, & pervasive developmental disorders not otherwise specified	6	14.42					

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County Defect	Live Births Total	Rate	County Defect	Live Births Total	Rate
NEWTON	723				
All Defects	11	152.14			
Atrial septal defect	*				
Biliary atresia	*				
Choanal atresia	*				
Cleft palate only (without cleft lip)	*				
Gastroschisis	*				
Pervasive developmental disorders, including autism, childhood disintegrative disorder, Asperger's syndrome, Rett syndrome, & pervasive developmental disorders not otherwise specified	*				
Trisomy 18 (Edwards syndrome)	*				
Trisomy 21 (Down syndrome)	*				
Ventricular septal defect	*				

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County	Live Births			County	Live Births		
Defect		Total	Rate	Defect	Total		Rate
NOBLE	3214			NOBLE	3214		
All Defects		57	177.35	Ventricular septal defect	8		24.89
Aortic valve stenosis		*					
Atrial septal defect		10	31.11				
Atrioventricular septal defect		*					
Choanal atresia		*					
Cleft lip with cleft palate		*					
Clubfoot		*					
Coarctation of aorta		*					
Craniosynostosis		*					
Ebstein's anomaly		*					
Esophageal atresia/tracheoesophageal fistula		*					
Fetal alcohol syndrome		*					
Gastroschisis		*					
Holoprosencephaly		*					
Hypoplastic left heart syndrome		*					
Hypospadias		5	15.56				
Pervasive developmental disorders, including autism, childhood disintegrative disorder, Asperger's syndrome, Rett syndrome, & pervasive developmental disorders not otherwise specified		7	21.78				
Pulmonary valve atresia and stenosis		*					
Renal agenesis/hypoplasia		*					
Trisomy 18 (Edwards syndrome)		*					
Trisomy 21 (Down syndrome)		*					

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County	Live Births			County	Live Births		
Defect	Total	Rate		Defect	Total	Rate	
ORANGE	1180			ORANGE	1180		
All Defects	34	288.14		Trisomy 21 (Down syndrome)	*		
Atrial septal defect	6	50.85		Ventricular septal defect	6	50.85	
Choanal atresia	*						
Cleft lip only (without cleft palate)	*			OWEN	1217		
Cleft lip with cleft palate	*			All Defects	40	328.68	
Cleft palate only (without cleft lip)	*			Anotia/microtia	*		
Cloacal exstrophy	*			Atrial septal defect	8	65.74	
Clubfoot	*			Choanal atresia	*		
Coarctation of aorta	*			Cleft lip only (without cleft palate)	*		
Deletion 22 q11.2	*			Cleft lip with cleft palate	*		
Diaphragmatic hernia	*			Cleft palate only (without cleft lip)	*		
Double outlet right ventricle (DORV)	*			Clubfoot	*		
Esophageal atresia/tracheoesophageal fistula	*			Coarctation of aorta	*		
Hypospadias	*			Craniosynostosis	*		
Pervasive developmental disorders, including autism, childhood disintegrative disorder, Asperger's syndrome, Rett syndrome, & pervasive developmental disorders not otherwise specified	*			Diaphragmatic hernia	*		
Pulmonary valve atresia and stenosis	*			Hypospadias	6	49.3	
Rectal and large intestinal atresia/stenosis	*			Pervasive developmental disorders, including autism, childhood disintegrative disorder, Asperger's syndrome, Rett syndrome, & pervasive developmental disorders not otherwise specified	*		
Small intestinal atresia/stenosis	*			Rectal and large intestinal atresia/stenosis	*		
Tetralogy of Fallot (TOF)	*			Spina bifida without anencephaly	5	41.08	
				Transposition of the great arteries	*		
				Trisomy 21 (Down syndrome)	*		
				Ventricular septal defect	*		

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County	Live Births			County	Live Births		
Defect		Total	Rate	Defect		Total	Rate
PARKE	957			PERRY	1086		
All Defects		19	198.54	All Defects		13	119.71
Atrial septal defect		5	52.25	Atrioventricular septal defect		*	
Atrioventricular septal defect		*		Choanal atresia		*	
Esophageal atresia/tracheoesophageal fistula		*		Coarctation of aorta		*	
Hypospadias		*		Craniosynostosis		*	
Pervasive developmental disorders, including autism, childhood disintegrative disorder, Asperger's syndrome, Rett syndrome, & pervasive developmental disorders not otherwise specified		*		Holoprosencephaly		*	
Pulmonary valve atresia and stenosis		*		Hypospadias		*	
Small intestinal atresia/stenosis		*		Rectal and large intestinal atresia/stenosis		*	
Tetralogy of Fallot (TOF)		*		Trisomy 18 (Edwards syndrome)		*	
Ventricular septal defect		*		Trisomy 21 (Down syndrome)		*	
				Ventricular septal defect		*	
				PIKE	736		
				All Defects		10	135.87
				Atrial septal defect		*	
				Atrioventricular septal defect		*	
				Double outlet right ventricle (DORV)		*	
				Esophageal atresia/tracheoesophageal fistula		*	
				Gastroschisis		*	
				Hypospadias		*	
				Limb deficiencies (reduction defects)		*	
				Ventricular septal defect		*	

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County	Live Births			County	Live Births		
Defect	Total	Rate		Defect	Total	Rate	
PORTER	8854			PORTER	8854		
All Defects	129	145.7		Pervasive developmental disorders, including autism, childhood disintegrative disorder, Asperger's syndrome, Rett syndrome, & pervasive developmental disorders not otherwise specified	8	9.04	
Anophthalmia/microphthalmia	*			Pulmonary valve atresia and stenosis	*		
Aortic valve stenosis	*			Renal agenesis/hypoplasia	*		
Atrial septal defect	22	24.85		Small intestinal atresia/stenosis	*		
Atrioventricular septal defect	*			Spina bifida without anencephaly	*		
Biliary atresia	*			Tetralogy of Fallot (TOF)	*		
Cleft lip only (without cleft palate)	*			Total anomalous pulmonary venous connection	*		
Cleft lip with cleft palate	*			Transposition of the great arteries	*		
Cleft palate only (without cleft lip)	*			Trisomy 18 (Edwards syndrome)	*		
Cloacal exstrophy	*			Trisomy 21 (Down syndrome)	13	14.68	
Clubfoot	*			Ventricular septal defect	18	20.33	
Coarctation of aorta	*						
Congenital cataract	*						
Diaphragmatic hernia	*						
Encephalocele	*						
Fetal alcohol syndrome	*						
Gastroschisis	*						
Holoprosencephaly	*						
Hypoplastic left heart syndrome	*						
Hypospadias	14	15.81					
Limb deficiencies (reduction defects)	10	11.29					
Omphalocele	*						

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County	Live Births			County	Live Births		
Defect	Total	Rate		Defect	Total	Rate	
POSEY	1372			PUTNAM	1917		
All Defects	16	116.62		All Defects	50	260.82	
Atrial septal defect	*			Anotia/microtia	*		
Cleft lip with cleft palate	*			Atrial septal defect	11	57.38	
Cleft palate only (without cleft lip)	*			Biliary atresia	*		
Coarctation of aorta	*			Cleft palate only (without cleft lip)	*		
Ebstein's anomaly	*			Clubfoot	*		
Hypospadias	*			Craniosynostosis	*		
Pervasive developmental disorders, including autism, childhood disintegrative disorder, Asperger's syndrome, Rett syndrome, & pervasive developmental disorders not otherwise specified	*			Double outlet right ventricle (DORV)	*		
Renal agenesis/hypoplasia	*			Esophageal atresia/tracheoesophageal fistula	*		
Tetralogy of Fallot (TOF)	*			Gastroschisis	*		
Ventricular septal defect	*			Holoprosencephaly	*		
				Hypospadias	*		
				Limb deficiencies (reduction defects)	5	26.08	
PULASKI	756			Pervasive developmental disorders, including autism, childhood disintegrative disorder, Asperger's syndrome, Rett syndrome, & pervasive developmental disorders not otherwise specified	6	31.3	
All Defects	11	145.5		Renal agenesis/hypoplasia	*		
Aortic valve stenosis	*			Small intestinal atresia/stenosis	*		
Atrial septal defect	*			Spina bifida without anencephaly	*		
Cleft palate only (without cleft lip)	*			Tetralogy of Fallot (TOF)	*		
Hypospadias	*			Trisomy 21 (Down syndrome)	*		
Rectal and large intestinal atresia/stenosis	*			Ventricular septal defect	8	41.73	
Ventricular septal defect	*						

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County	Live Births			County	Live Births		
Defect		Total	Rate	Defect		Total	Rate
RANDOLPH	1527			RANDOLPH	1527		
All Defects		59	386.38	Pulmonary valve atresia and stenosis		*	
Anophthalmia/microphthalmia		*		Rectal and large intestinal atresia/stenosis		*	
Aortic valve stenosis		*		Renal agenesis/hypoplasia		*	
Atrial septal defect		12	78.59	Small intestinal atresia/stenosis		*	
Atrioventricular septal defect		*		Tetralogy of Fallot (TOF)		*	
Choanal atresia		*		Transposition of the great arteries		*	
Cleft lip only (without cleft palate)		*		Trisomy 21 (Down syndrome)		*	
Cleft lip with cleft palate		*		Ventricular septal defect	7		45.84
Cleft palate only (without cleft lip)		*					
Cloacal exstrophy		*		RIPLEY	1675		
Clubfoot		*		All Defects		9	53.73
Coarctation of aorta		*		Cleft lip only (without cleft palate)		*	
Craniosynostosis		*		Cleft palate only (without cleft lip)		*	
Deletion 22 q11.2		*		Gastroschisis		*	
Diaphragmatic hernia		*		Hypospadias		*	
Esophageal atresia/tracheoesophageal fistula		*		Pulmonary valve atresia and stenosis		*	
Gastroschisis		*		Renal agenesis/hypoplasia		*	
Holoprosencephaly		*		Spina bifida without anencephaly		*	
Hypospadias		7	45.84	Trisomy 21 (Down syndrome)		*	
Limb deficiencies (reduction defects)		*					
Pervasive developmental disorders, including autism, childhood disintegrative disorder, Asperger's syndrome, Rett syndrome, & pervasive developmental disorders not otherwise specified		5	32.74				

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County Defect	Live Births	Total	Rate	County Defect	Live Births	Total	Rate
RUSH	933						
All Defects		16	171.49				
Atrial septal defect		*					
Atrioventricular septal defect		*					
Cleft palate only (without cleft lip)		*					
Craniosynostosis		*					
Holoprosencephaly		*					
Hypospadias		*					
Renal agenesis/hypoplasia		*					
Small intestinal atresia/stenosis		*					
Trisomy 21 (Down syndrome)		*					

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County	Live Births			County	Live Births		
Defect	Total	Rate		Defect	Total	Rate	
ST. JOSEPH	18123			ST. JOSEPH	18123		
All Defects	210	115.87		Hypospadias	20	11.04	
Anotia/microtia	*			Limb deficiencies (reduction defects)	*		
Aortic valve stenosis	*			Pervasive developmental disorders, including autism, childhood disintegrative disorder, Asperger's syndrome, Rett syndrome, & pervasive developmental disorders not otherwise specified	19	10.48	
Atrial septal defect	26	14.35		Pulmonary valve atresia and stenosis	7	3.86	
Atrioventricular septal defect	*			Rectal and large intestinal atresia/stenosis	5	2.76	
Biliary atresia	*			Renal agenesis/hypoplasia	9	4.97	
Choanal atresia	*			Small intestinal atresia/stenosis	5	2.76	
Cleft lip only (without cleft palate)	5	2.76		Spina bifida without anencephaly	7	3.86	
Cleft lip with cleft palate	*			Tetralogy of Fallot (TOF)	*		
Cleft palate only (without cleft lip)	7	3.86		Total anomalous pulmonary venous connection	*		
Clubfoot	*			Transposition of the great arteries	*		
Coarctation of aorta	*			Tricuspid valve atresia and stenosis	*		
Common truncus	*			Trisomy 18 (Edwards syndrome)	*		
Congenital cataract	*			Trisomy 21 (Down syndrome)	12	6.62	
Congenital posterior urethral valves	*			Ventricular septal defect	25	13.79	
Craniosynostosis	*						
Diaphragmatic hernia	*						
Double outlet right ventricle (DORV)	*						
Encephalocele	*						
Esophageal atresia/tracheoesophageal fistula	*						
Fetal alcohol syndrome	*						
Gastroschisis	11	6.07					
Holoprosencephaly	*						
Hypoplastic left heart syndrome	*						

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County	Live Births			County	Live Births		
Defect		Total	Rate	Defect	Total		Rate
SCOTT	1536						
All Defects		5	32.55				
Atrial septal defect		*					
Pulmonary valve atresia and stenosis		*					
Ventricular septal defect		*					

Note 1—* indicates < 5 in number occurred.

Note 2—Rates based on fewer than 20 cases are unstable and are not comparable.

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County	Live Births			County	Live Births		
Defect	Total	Rate		Defect	Total	Rate	
SHELBY	2694			SHELBY	2694		
All Defects	65	241.28		Rectal and large intestinal atresia/stenosis	*		
Anophthalmia/microphthalmia	*			Renal agenesis/hypoplasia	*		
Anotia/microtia	*			Small intestinal atresia/stenosis	*		
Aortic valve stenosis	*			Spina bifida without anencephaly	*		
Atrial septal defect	11	40.83		Trisomy 18 (Edwards syndrome)	*		
Cleft lip only (without cleft palate)	*			Trisomy 21 (Down syndrome)	*		
Cleft palate only (without cleft lip)	*			Ventricular septal defect	9	33.41	
Clubfoot	*						
Coarctation of aorta	*						
Diaphragmatic hernia	*						
Ebstein's anomaly	*						
Encephalocele	*						
Esophageal atresia/tracheoesophageal fistula	*						
Gastroschisis	*						
Holoprosencephaly	*						
Hypoplastic left heart syndrome	*						
Hypospadias	6	22.27					
Limb deficiencies (reduction defects)	*						
Pervasive developmental disorders, including autism, childhood disintegrative disorder, Asperger's syndrome, Rett syndrome, & pervasive developmental disorders not otherwise specified	*						
Pulmonary valve atresia and stenosis	*						

Note 1—* indicates < 5 in number occurred.

Note 2—Rates based on fewer than 20 cases are unstable and are not comparable.

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County	Live Births			County	Live Births		
Defect	Total	Rate		Defect	Total	Rate	
SPENCER	1181			STARKE	1434		
All Defects	20	169.35		All Defects	15	104.6	
Anotia/microtia	*			Atrial septal defect	*		
Atrial septal defect	*			Cleft palate only (without cleft lip)	*		
Atrioventricular septal defect	*			Craniosynostosis	*		
Craniosynostosis	*			Encephalocele	*		
Diaphragmatic hernia	*			Fetal alcohol syndrome	*		
Encephalocele	*			Hypoplastic left heart syndrome	*		
Hypospadias	5	42.34		Hypospadias	*		
Pervasive developmental disorders, including autism, childhood disintegrative disorder, Asperger's syndrome, Rett syndrome, & pervasive developmental disorders not otherwise specified	*			Trisomy 18 (Edwards syndrome)	*		
Pulmonary valve atresia and stenosis	*			Turner syndrome	*		
Rectal and large intestinal atresia/stenosis	*			Ventricular septal defect	*		
Renal agenesis/hypoplasia	*						
Single ventricle	*						
Tricuspid valve atresia and stenosis	*						
Trisomy 21 (Down syndrome)	*						

Note 1—* indicates < 5 in number occurred.

Note 2—Rates based on fewer than 20 cases are unstable and are not comparable.

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County	Live Births			County	Live Births		
Defect	Total	Rate		Defect	Total	Rate	
STEUBEN	1849			SULLIVAN	1135		
All Defects	34	183.88		All Defects	18	158.59	
Anotia/microtia	*			Atrial septal defect	*		
Atrial septal defect	6	32.45		Cleft lip only (without cleft palate)	*		
Cleft lip only (without cleft palate)	*			Hypoplastic left heart syndrome	*		
Craniosynostosis	*			Hypospadias	*		
Diaphragmatic hernia	*			Limb deficiencies (reduction defects)	*		
Fetal alcohol syndrome	*			Pervasive developmental disorders, including autism, childhood disintegrative disorder, Asperger's syndrome, Rett syndrome, & pervasive developmental disorders not otherwise specified	*		
Gastroschisis	*			Pulmonary valve atresia and stenosis	*		
Hypospadias	8	43.27		Rectal and large intestinal atresia/stenosis	*		
Pervasive developmental disorders, including autism, childhood disintegrative disorder, Asperger's syndrome, Rett syndrome, & pervasive developmental disorders not otherwise specified	8	43.27		Spina bifida without anencephaly	*		
Trisomy 21 (Down syndrome)	*			Tetralogy of Fallot (TOF)	*		
Ventricular septal defect	*			Trisomy 21 (Down syndrome)	*		
				Ventricular septal defect	*		
				SWITZERLAND	634		
				All Defects	*		
				Hypospadias	*		
				Trisomy 21 (Down syndrome)	*		
				Ventricular septal defect	*		

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County	Live Births			County	Live Births		
Defect		Total	Rate	Defect		Total	Rate
TIPPECANOE	11179			TIPPECANOE	11179		
All Defects		301	269.25	Pervasive developmental disorders, including autism, childhood disintegrative disorder, Asperger's syndrome, Rett syndrome, & pervasive developmental disorders not otherwise specified		11	9.84
Anotia/microtia		*		Pulmonary valve atresia and stenosis		8	7.16
Aortic valve stenosis		*		Rectal and large intestinal atresia/stenosis		8	7.16
Atrial septal defect		68	60.83	Renal agenesis/hypoplasia		*	
Atrioventricular septal defect		7	6.26	Single ventricle		*	
Biliary atresia		*		Small intestinal atresia/stenosis		*	
Choanal atresia		*		Spina bifida without anencephaly		*	
Cleft lip only (without cleft palate)		*		Total anomalous pulmonary venous connection		*	
Cleft lip with cleft palate		6	5.37	Transposition of the great arteries		*	
Cleft palate only (without cleft lip)		9	8.05	Trisomy 21 (Down syndrome)		13	11.63
Clubfoot		7	6.26	Ventricular septal defect		71	63.51
Coarctation of aorta		5	4.47				
Congenital cataract		5	4.47				
Craniosynostosis		*					
Double outlet right ventricle (DORV)		*					
Esophageal atresia/tracheoesophageal fistula		*					
Fetal alcohol syndrome		*					
Gastroschisis		7	6.26				
Holoprosencephaly		*					
Hypospadias		29	25.94				
Interrupted aortic arch (IAA)		*					
Limb deficiencies (reduction defects)		*					

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County	Live Births			County	Live Births	
Defect	Total	Rate		Defect	Total	Rate
TIPTON	775					
All Defects	26	335.48				
Anotia/microtia	*					
Aortic valve stenosis	*					
Atrial septal defect	*					
Choanal atresia	*					
Cleft lip only (without cleft palate)	*					
Coarctation of aorta	*					
Congenital cataract	*					
Gastroschisis	*					
Hypospadias	7	90.32				
Limb deficiencies (reduction defects)	*					
Spina bifida without anencephaly	*					
Trisomy 21 (Down syndrome)	*					
Ventricular septal defect	5	64.52				

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County	Live Births			County	Live Births		
Defect		Total	Rate	Defect	Total		Rate
VANDERBURGH	11701			VANDERBURGH	11701		
All Defects		173	147.85	Pervasive developmental disorders, including autism, childhood disintegrative disorder, Asperger's syndrome, Rett syndrome, & pervasive developmental disorders not otherwise specified	14		11.96
Atrial septal defect		23	19.66	Pulmonary valve atresia and stenosis	10		8.55
Atrioventricular septal defect		*		Rectal and large intestinal atresia/stenosis	*		
Biliary atresia		*		Renal agenesis/hypoplasia	6		5.13
Cleft lip with cleft palate		*		Single ventricle	*		
Cleft palate only (without cleft lip)		*		Spina bifida without anencephaly	*		
Clubfoot		5	4.27	Tetralogy of Fallot (TOF)	7		5.98
Coarctation of aorta		*		Total anomalous pulmonary venous connection	*		
Common truncus		*		Transposition of the great arteries	*		
Deletion 22 q11.2		*		Tricuspid valve atresia and stenosis	*		
Diaphragmatic hernia		*		Trisomy 18 (Edwards syndrome)	*		
Double outlet right ventricle (DORV)		6	5.13	Trisomy 21 (Down syndrome)	*		
Encephalocele		*		Ventricular septal defect	31		26.49
Esophageal atresia/tracheoesophageal fistula		*					
Fetal alcohol syndrome		*					
Gastroschisis		*					
Holoprosencephaly		*					
Hypoplastic left heart syndrome		*					
Hypospadias		17	14.53				
Interrupted aortic arch (IAA)		*					
Limb deficiencies (reduction defects)		5	4.27				

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County Defect	Live Births Total	Rate	County Defect	Live Births Total	Rate
VERMILLION	839				
All Defects	20	238.38			
Atrial septal defect	7	83.43			
Cleft lip only (without cleft palate)	*				
Cleft lip with cleft palate	*				
Cleft palate only (without cleft lip)	*				
Clubfoot	*				
Gastroschisis	*				
Hypospadias	*				
Pervasive developmental disorders, including autism, childhood disintegrative disorder, Asperger's syndrome, Rett syndrome, & pervasive developmental disorders not otherwise specified	*				
Pulmonary valve atresia and stenosis	*				
Tetralogy of Fallot (TOF)	*				

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County	Live Births			County	Live Births		
Defect	Total	Rate		Defect	Total	Rate	
VIGO	6553			VIGO	6553		
All Defects	182	277.74		Pervasive developmental disorders, including autism, childhood disintegrative disorder, Asperger's syndrome, Rett syndrome, & pervasive developmental disorders not otherwise specified	30	45.78	
Aortic valve stenosis	*			Pulmonary valve atresia and stenosis	7	10.68	
Atrial septal defect	30	45.78		Rectal and large intestinal atresia/stenosis	5	7.63	
Atrioventricular septal defect	*			Renal agenesis/hypoplasia	*		
Cleft lip only (without cleft palate)	*			Single ventricle	*		
Cleft lip with cleft palate	6	9.16		Small intestinal atresia/stenosis	*		
Cleft palate only (without cleft lip)	*			Spina bifida without anencephaly	*		
Cloacal exstrophy	*			Tetralogy of Fallot (TOF)	*		
Clubfoot	*			Transposition of the great arteries	*		
Coarctation of aorta	*			Trisomy 21 (Down syndrome)	6	9.16	
Congenital cataract	*			Ventricular septal defect	31	47.31	
Diaphragmatic hernia	*						
Double outlet right ventricle (DORV)	*						
Ebstein's anomaly	*						
Esophageal atresia/tracheoesophageal fistula	*						
Gastroschisis	*						
Holoprosencephaly	5	7.63					
Hypoplastic left heart syndrome	*						
Hypospadias	12	18.31					
Limb deficiencies (reduction defects)	11	16.79					

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County	Live Births			County	Live Births		
Defect		Total	Rate	Defect	Total		Rate
WABASH	1827			WARREN	450		
All Defects		28	153.26	All Defects		8	177.78
Atrial septal defect		6	32.84	Atrial septal defect		*	
Clubfoot		*		Pervasive developmental disorders, including autism, childhood disintegrative disorder, Asperger's syndrome, Rett syndrome, & pervasive developmental disorders not otherwise specified		*	
Diaphragmatic hernia		*		Renal agenesis/hypoplasia		*	
Esophageal atresia/tracheoesophageal fistula		*		Spina bifida without anencephaly		*	
Fetal alcohol syndrome		*		Ventricular septal defect		*	
Hypospadias		5	27.37				
Pervasive developmental disorders, including autism, childhood disintegrative disorder, Asperger's syndrome, Rett syndrome, & pervasive developmental disorders not otherwise specified		5	27.37				
Pulmonary valve atresia and stenosis		*					
Spina bifida without anencephaly		*					
Tetralogy of Fallot (TOF)		*					
Trisomy 21 (Down syndrome)		*					
Ventricular septal defect		*					

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County	Live Births			County	Live Births		
Defect		Total	Rate	Defect	Total		Rate
WARRICK	3399			WASHINGTON	1562		
All Defects		56	164.75	All Defects		19	121.64
Anophthalmia/microphthalmia		*		Atrial septal defect		*	
Atrial septal defect		8	23.54	Cleft lip only (without cleft palate)		*	
Cleft lip only (without cleft palate)		*		Cleft palate only (without cleft lip)		*	
Cleft lip with cleft palate		*		Hypospadias		*	
Cleft palate only (without cleft lip)		*		Limb deficiencies (reduction defects)		*	
Clubfoot		*		Ventricular septal defect		8	51.22
Coarctation of aorta		*					
Diaphragmatic hernia		*					
Encephalocele		*					
Gastroschisis		*					
Hypospadias		13	38.25				
Pervasive developmental disorders, including autism, childhood disintegrative disorder, Asperger's syndrome, Rett syndrome, & pervasive developmental disorders not otherwise specified		*					
Pulmonary valve atresia and stenosis		*					
Renal agenesis/hypoplasia		*					
Spina bifida without anencephaly		*					
Transposition of the great arteries		*					
Trisomy 18 (Edwards syndrome)		*					
Trisomy 21 (Down syndrome)		*					
Ventricular septal defect		11	32.36				

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County	Live Births			County	Live Births		
Defect		Total	Rate	Defect	Total		Rate
WAYNE	4168			WAYNE	4168		
All Defects		69	165.55	Renal agenesis/hypoplasia		*	
Anotia/microtia		*		Tetralogy of Fallot (TOF)		*	
Atrial septal defect		14	33.59	Transposition of the great arteries		*	
Cleft lip only (without cleft palate)		*		Trisomy 18 (Edwards syndrome)		*	
Cleft lip with cleft palate		*		Trisomy 21 (Down syndrome)	5		12
Cleft palate only (without cleft lip)		*		Ventricular septal defect	10		23.99
Clubfoot		*					
Coarctation of aorta		*					
Craniosynostosis		*					
Double outlet right ventricle (DORV)		*					
Esophageal atresia/tracheoesophageal fistula		*					
Gastroschisis		*					
Holoprosencephaly		*					
Hypoplastic left heart syndrome		*					
Hypospadias		6	14.4				
Interrupted aortic arch (IAA)		*					
Limb deficiencies (reduction defects)		*					
Pervasive developmental disorders, including autism, childhood disintegrative disorder, Asperger's syndrome, Rett syndrome, & pervasive developmental disorders not otherwise specified		9	21.59				
Pulmonary valve atresia and stenosis		*					

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County	Live Births			County	Live Births		
Defect	Total	Rate		Defect	Total	Rate	
WELLS	1686			WHITE	1542		
All Defects	34	201.66		All Defects	32	207.52	
Atrial septal defect	7	41.52		Atrial septal defect	5	32.43	
Atrioventricular septal defect	*			Atrioventricular septal defect	*		
Cleft palate only (without cleft lip)	*			Cleft palate only (without cleft lip)	*		
Clubfoot	*			Coarctation of aorta	*		
Coarctation of aorta	*			Gastroschisis	*		
Double outlet right ventricle (DORV)	*			Hypospadias	*		
Esophageal atresia/tracheoesophageal fistula	*			Limb deficiencies (reduction defects)	*		
Holoprosencephaly	*			Pervasive developmental disorders, including autism, childhood disintegrative disorder, Asperger's syndrome, Rett syndrome, & pervasive developmental disorders not otherwise specified	*		
Hypospadias	*			Pulmonary valve atresia and stenosis	*		
Pervasive developmental disorders, including autism, childhood disintegrative disorder, Asperger's syndrome, Rett syndrome, & pervasive developmental disorders not otherwise specified	5	29.66		Tetralogy of Fallot (TOF)	*		
Pulmonary valve atresia and stenosis	*			Trisomy 21 (Down syndrome)	*		
Rectal and large intestinal atresia/stenosis	*			Ventricular septal defect	8	51.88	
Transposition of the great arteries	*						
Trisomy 21 (Down syndrome)	*						
Ventricular septal defect	7	41.52					

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County	Live Births			County	Live Births		
Defect		Total	Rate	Defect	Total		Rate
WHITLEY	2032			UNKNOWN	884		
All Defects		25	123.03	All Defects	26		294.12
Atrial septal defect		8	39.37	Anencephaly	*		
Clubfoot		*		Atrial septal defect	*		
Deletion 22 q11.2		*		Atrioventricular septal defect	*		
Fetal alcohol syndrome		*		Cleft palate only (without cleft lip)	*		
Gastroschisis		*		Fetal alcohol syndrome	9		101.81
Hypospadias		*		Hypospadias	*		
Limb deficiencies (reduction defects)		*		Pervasive developmental disorders, including autism, childhood disintegrative disorder, Asperger's syndrome, Rett syndrome, & pervasive developmental disorders not otherwise specified	*		
Pervasive developmental disorders, including autism, childhood disintegrative disorder, Asperger's syndrome, Rett syndrome, & pervasive developmental disorders not otherwise specified		*		Pulmonary valve atresia and stenosis	*		
Pulmonary valve atresia and stenosis		*		Rectal and large intestinal atresia/stenosis	*		
Tetralogy of Fallot (TOF)		*		Trisomy 21 (Down syndrome)	*		
Trisomy 21 (Down syndrome)		*		Ventricular septal defect	*		

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