

Table 8: Confirmed and Probable Counts and Rates of Targeted Conditions for 2005 - 2009 Births to Indiana Women by County (rates per 10,000 births)

County	Live Births			County	Live Births		
Defect		Total	Rate	Defect		Total	Rate
ADAMS	3132			ADAMS	3132		
All Defects		83	265.01	Microcephalus		*	
Anotia/microtia		*		Obstructive genitourinary defect		*	
Atrial septal defect		15	47.89	Patent ductus arteriosus		*	
Atrioventricular septal defect		*		Pulmonary valve atresia and stenosis		*	
Autism		9	28.74	Pyloric stenosis		9	28.74
Choanal atresia		*		Rectal and large intestinal atresia/stenosis		*	
Cleft lip with and without cleft palate		*		Reduction deformity, lower limbs		*	
Cleft palate without cleft lip		*		Reduction deformity, upper limbs		*	
Coarctation of aorta		*		Renal agenesis/hypoplasia		*	
Common truncus		*		Spina bifida without anencephalus		*	
Congenital hip dislocation		*		Tetralogy of fallot		*	
Diaphragmatic hernia		*		Transposition of great arteries		*	
Down syndrome		*		Trisomy 13 (Patau syndrome)		*	
Encephalocele		*		Trisomy 18 (Edwards syndrome)		*	
Esophageal atresia/tracheoesophageal fistula		*		Ventricular septal defect		13	41.51
Gastroschisis		*					
Hirschsprung's disease (congenital megacolon)		*					
Hydrocephalus without Spina Bifida		*					
Hypospadias		11	35.12				

* indicates < 5 in number occurred.

Note—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	26355			ALLEN	26355		
All Defects		936	355.15	Esophageal atresia/tracheoesophageal fistula		7	2.66
Anencephalus		*		Fetus or newborn affected by maternal alcohol use		20	7.59
Aniridia		*		Gastroschisis		*	
Anophthalmia/microphthalmia		*		Hirschsprung's disease (congenital megacolon)		*	
Anotia/microtia		*		Hydrocephalus without Spina Bifida		24	9.11
Aortic valve stenosis		*		Hypoplastic left heart syndrome		*	
Atrial septal defect		292	110.79	Hypospadias		96	36.43
Atrioventricular septal defect		18	6.83	Microcephalus		47	17.83
Autism		48	18.21	Obstructive genitourinary defect		50	18.97
Biliary atresia		*		Omphalocele		*	
Bladder exstrophy		*		Patent ductus arteriosus		74	28.08
Choanal atresia		*		Pulmonary valve atresia and stenosis		49	18.59
Cleft lip with and without cleft palate		22	8.35	Pyloric stenosis		74	28.08
Cleft palate without cleft lip		22	8.35	Rectal and large intestinal atresia/stenosis		13	4.93
Coarctation of aorta		24	9.11	Reduction deformity, lower limbs		6	2.28
Congenital cataract		*		Reduction deformity, upper limbs		10	3.79
Congenital hip dislocation		14	5.31	Renal agenesis/hypoplasia		*	
Diaphragmatic hernia		*		Spina bifida without anencephalus		16	6.07
Down syndrome		32	12.14	Tetralogy of fallot		*	
Ebstein anomaly		*					
Encephalocele		*					
Epispadias		*					

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Data compiled on 9/7/2012 1:23:53 PM

County	Live Births			County	Live Births		
Defect		Total	Rate	Defect		Total	Rate
ALLEN	26355						
Total anomalous pulmonary venous connection *							
Transposition of great arteries		16	6.07				
Tricuspid valve atresia and stenosis *							
Trisomy 13 (Patau syndrome) *							
Ventricular septal defect		161	61.09				

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County	Live Births			County	Live Births		
Defect		Total	Rate	Defect		Total	Rate
BARTHOLOMEW	4932			BARTHOLOMEW	4932		
All Defects		72	145.99	Spina bifida without anencephalus		*	
Atrial septal defect		14	28.39	Tetralogy of fallot		*	
Atrioventricular septal defect		*		Transposition of great arteries		*	
Autism		*		Tricuspid valve atresia and stenosis		*	
Cleft lip with and without cleft palate		*		Trisomy 13 (Patau syndrome)		*	
Cleft palate without cleft lip		*		Trisomy 18 (Edwards syndrome)		*	
Coarctation of aorta		8	16.22	Ventricular septal defect		21	42.58
Common truncus		*					
Congenital hip dislocation		*		BENTON	500		
Diaphragmatic hernia		*		All Defects		13	260
Down syndrome		*		Atrial septal defect		*	
Ebstein anomaly		*		Atrioventricular septal defect		*	
Esophageal atresia/tracheoesophageal fistula		*		Autism		*	
Gastroschisis		*		Cleft lip with and without cleft palate		*	
Hydrocephalus without Spina Bifida		*		Cleft palate without cleft lip		*	
Hypospadias		*		Congenital hip dislocation		*	
Microcephalus		*		Obstructive genitourinary defect		*	
Obstructive genitourinary defect		7	14.19	Pulmonary valve atresia and stenosis		*	
Patent ductus arteriosus		9	18.25	Pyloric stenosis		*	
Pulmonary valve atresia and stenosis		*		Reduction deformity, upper limbs		*	
Pyloric stenosis		*		Renal agenesis/hypoplasia		*	
Renal agenesis/hypoplasia		*		Ventricular septal defect		*	

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County	Live Births			County	Live Births		
Defect		Total	Rate	Defect		Total	Rate
BLACKFORD	714						
All Defects		20	280.11				
Atrial septal defect		*					
Autism		*					
Cleft lip with and without cleft palate		*					
Congenital hip dislocation		*					
Diaphragmatic hernia		*					
Hypospadias		*					
Obstructive genitourinary defect		*					
Pyloric stenosis		*					
Ventricular septal defect		10	140.06				

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County	Live Births			County	Live Births		
Defect		Total	Rate	Defect		Total	Rate
BOONE	3438			BOONE	3438		
All Defects		91	264.69	Renal agenesis/hypoplasia		*	
Aniridia		*		Spina bifida without anencephalus		*	
Atrial septal defect		8	23.27	Tetralogy of fallot		*	
Autism		7	20.36	Total anomalous pulmonary venous connection		*	
Biliary atresia		*		Ventricular septal defect	9		26.18
Bladder exstrophy		*					
Cleft lip with and without cleft palate		*		BROWN	699		
Cleft palate without cleft lip		*		All Defects		12	171.67
Congenital hip dislocation		*		Atrial septal defect		*	
Down syndrome		*		Autism		*	
Gastroschisis		*		Diaphragmatic hernia		*	
Hirschsprung's disease (congenital megacolon)		*		Hirschsprung's disease (congenital megacolon)		*	
Hydrocephalus without Spina Bifida		*		Hypospadias		*	
Hypoplastic left heart syndrome		*		Obstructive genitourinary defect		*	
Hypospadias		19	55.26	Patent ductus arteriosus		*	
Microcephalus		6	17.45	Pyloric stenosis		*	
Obstructive genitourinary defect		13	37.81	Spina bifida without anencephalus		*	
Patent ductus arteriosus		*		Ventricular septal defect		*	
Pulmonary valve atresia and stenosis		*					
Pyloric stenosis		9	26.18				
Rectal and large intestinal atresia/stenosis		*					

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County	Live Births			County	Live Births		
Defect		Total	Rate	Defect		Total	Rate
CARROLL	1105						
All Defects		33	298.64				
Aortic valve stenosis		*					
Atrial septal defect		*					
Atrioventricular septal defect		*					
Biliary atresia		*					
Cleft lip with and without cleft palate		*					
Cleft palate without cleft lip		*					
Ebstein anomaly		*					
Fetus or newborn affected by maternal alcohol use		*					
Gastroschisis		*					
Hydrocephalus without Spina Bifida		*					
Hypospadias		*					
Obstructive genitourinary defect		*					
Patent ductus arteriosus		*					
Pyloric stenosis		*					
Rectal and large intestinal atresia/stenosis		*					
Spina bifida without anencephalus		*					
Tetralogy of fallot		*					
Transposition of great arteries		*					
Ventricular septal defect		*					

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County	Live Births			County	Live Births		
Defect		Total	Rate	Defect		Total	Rate
CASS	2479			CASS	2479		
All Defects		70	282.37	Patent ductus arteriosus		6	24.2
Anotia/microtia		*		Pyloric stenosis		12	48.41
Atrial septal defect		8	32.27	Rectal and large intestinal atresia/stenosis		*	
Atrioventricular septal defect		*		Reduction deformity, lower limbs		*	
Autism		*		Spina bifida without anencephalus		*	
Choanal atresia		*		Tetralogy of fallot		*	
Cleft lip with and without cleft palate		*		Transposition of great arteries		*	
Cleft palate without cleft lip		*		Ventricular septal defect		11	44.37
Coarctation of aorta		6	24.2				
Congenital cataract		*					
Congenital hip dislocation		*					
Diaphragmatic hernia		*					
Down syndrome		*					
Esophageal atresia/tracheoesophageal fistula		*					
Fetus or newborn affected by maternal alcohol use		*					
Gastroschisis		*					
Hirschsprung's disease (congenital megacolon)		*					
Hydrocephalus without Spina Bifida		*					
Hypospadias		6	24.2				
Microcephalus		*					
Obstructive genitourinary defect		*					

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County	Live Births			County	Live Births		
Defect		Total	Rate	Defect		Total	Rate
CLARK	5751						
All Defects		68	118.24				
Aniridia		*					
Atrial septal defect		*					
Autism		*					
Cleft lip with and without cleft palate		*					
Cleft palate without cleft lip		*					
Coarctation of aorta		*					
Congenital hip dislocation		*					
Down syndrome		6	10.43				
Esophageal atresia/tracheoesophageal fistula		*					
Fetus or newborn affected by maternal alcohol use		*					
Hypospadias		7	12.17				
Obstructive genitourinary defect		*					
Patent ductus arteriosus		*					
Pulmonary valve atresia and stenosis		*					
Rectal and large intestinal atresia/stenosis		*					
Reduction deformity, upper limbs		*					
Renal agenesis/hypoplasia		*					
Transposition of great arteries		*					
Ventricular septal defect		31	53.9				

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Data compiled on 9/7/2012 1:23:53 PM

County	Live Births			County	Live Births		
Defect		Total	Rate	Defect		Total	Rate
CLAY	1459			CLAY	1459		
All Defects		56	383.82	Tetralogy of fallot		*	
Atrial septal defect		7	47.98	Ventricular septal defect		9	61.69
Autism		*					
Biliary atresia		*					
Cleft lip with and without cleft palate		*					
Cleft palate without cleft lip		*					
Coarctation of aorta		*					
Congenital hip dislocation		*					
Down syndrome		*					
Gastroschisis		*					
Hirschsprung's disease (congenital megacolon)		*					
Hydrocephalus without Spina Bifida		*					
Hypospadias		7	47.98				
Microcephalus		*					
Obstructive genitourinary defect		*					
Patent ductus arteriosus		*					
Pulmonary valve atresia and stenosis		*					
Pyloric stenosis		8	54.83				
Rectal and large intestinal atresia/stenosis		*					
Renal agenesis/hypoplasia		*					
Spina bifida without anencephalus		*					

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Data compiled on 9/7/2012 1:23:53 PM

County	Live Births			County	Live Births		
Defect		Total	Rate	Defect		Total	Rate
CLINTON	2369			CRAWFORD	524		
All Defects		49	206.84	All Defects		*	
Atrial septal defect		8	33.77	Atrial septal defect		*	
Atrioventricular septal defect		*		Common truncus		*	
Autism		*		Hydrocephalus without Spina Bifida		*	
Cleft lip with and without cleft palate		*		Hypospadias		*	
Coarctation of aorta		*		Obstructive genitourinary defect		*	
Congenital hip dislocation		*		Pyloric stenosis		*	
Diaphragmatic hernia		*		Ventricular septal defect		*	
Down syndrome		*					
Gastroschisis		*					
Hydrocephalus without Spina Bifida		*					
Hypospadias		7	29.55				
Microcephalus		*					
Obstructive genitourinary defect		6	25.33				
Patent ductus arteriosus		*					
Pulmonary valve atresia and stenosis		*					
Pyloric stenosis		*					
Rectal and large intestinal atresia/stenosis		*					
Transposition of great arteries		*					
Tricuspid valve atresia and stenosis		*					
Ventricular septal defect		10	42.21				

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Data compiled on 9/7/2012 1:23:53 PM

County	Live Births			County	Live Births		
Defect		Total	Rate	Defect		Total	Rate
DAVISS	2181			DEARBORN	2244		
All Defects		52	238.42	All Defects		14	62.39
Atrial septal defect		*		Atrioventricular septal defect		*	
Atrioventricular septal defect		*		Autism		*	
Autism		*		Cleft lip with and without cleft palate		*	
Cleft lip with and without cleft palate		*		Congenital hip dislocation		*	
Cleft palate without cleft lip		*		Down syndrome		*	
Coarctation of aorta		*		Hypospadias		7	31.19
Congenital hip dislocation		*		Obstructive genitourinary defect		*	
Down syndrome		*		Ventricular septal defect		*	
Fetus or newborn affected by maternal alcohol use		*					
Hydrocephalus without Spina Bifida		*					
Hypoplastic left heart syndrome		*					
Hypospadias		8	36.68				
Microcephalus		*					
Obstructive genitourinary defect		7	32.1				
Patent ductus arteriosus		*					
Pyloric stenosis		*					
Rectal and large intestinal atresia/stenosis		*					
Reduction deformity, upper limbs		*					
Renal agenesis/hypoplasia		*					
Tricuspid valve atresia and stenosis		*					
Ventricular septal defect		7	32.1				

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Data compiled on 9/7/2012 1:23:53 PM

County	Live Births			County	Live Births		
Defect		Total	Rate	Defect		Total	Rate
DECATUR	1618						
All Defects		25	154.51				
Atrial septal defect		*					
Atrioventricular septal defect		*					
Cleft lip with and without cleft palate		*					
Cleft palate without cleft lip		*					
Down syndrome		*					
Esophageal atresia/tracheoesophageal fistula		*					
Gastroschisis		*					
Hydrocephalus without Spina Bifida		*					
Hypospadias		*					
Microcephalus		*					
Obstructive genitourinary defect		*					
Patent ductus arteriosus		*					
Pyloric stenosis		*					
Rectal and large intestinal atresia/stenosis		*					
Renal agenesis/hypoplasia		*					
Ventricular septal defect		*					

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Data compiled on 9/7/2012 1:23:53 PM

County	Live Births			County	Live Births		
Defect		Total	Rate	Defect		Total	Rate
DEKALB	2653			DEKALB	2653		
All Defects		75	282.7	Tetralogy of fallot		*	
Anophthalmia/microphthalmia		*		Transposition of great arteries		*	
Atrial septal defect		18	67.85	Trisomy 18 (Edwards syndrome)		*	
Autism		11	41.46	Ventricular septal defect	6		22.62
Bladder exstrophy		*					
Choanal atresia		*					
Coarctation of aorta		*					
Down syndrome		*					
Esophageal atresia/tracheoesophageal fistula		*					
Fetus or newborn affected by maternal alcohol use		*					
Hydrocephalus without Spina Bifida		*					
Hypospadias		6	22.62				
Microcephalus		*					
Obstructive genitourinary defect		7	26.39				
Patent ductus arteriosus		*					
Pulmonary valve atresia and stenosis		*					
Pyloric stenosis		10	37.69				
Rectal and large intestinal atresia/stenosis		*					
Reduction deformity, upper limbs		*					
Spina bifida without anencephalus		*					

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County	Live Births			County	Live Births		
Defect		Total	Rate	Defect		Total	Rate
DELAWARE	6109			DELAWARE	6109		
All Defects		208	340.48	Patent ductus arteriosus		7	11.46
Anencephalus		*		Pulmonary valve atresia and stenosis		*	
Atrial septal defect		32	52.38	Pyloric stenosis		16	26.19
Atrioventricular septal defect		*		Rectal and large intestinal atresia/stenosis		*	
Autism		16	26.19	Reduction deformity, lower limbs		*	
Biliary atresia		*		Reduction deformity, upper limbs		*	
Bladder exstrophy		*		Renal agenesis/hypoplasia		*	
Cleft lip with and without cleft palate		*		Spina bifida without anencephalus		*	
Cleft palate without cleft lip		*		Tetralogy of fallot		*	
Coarctation of aorta		*		Transposition of great arteries		*	
Common truncus		*		Tricuspid valve atresia and stenosis		*	
Congenital hip dislocation		6	9.82	Trisomy 18 (Edwards syndrome)		*	
Diaphragmatic hernia		*		Ventricular septal defect		44	72.02
Down syndrome		7	11.46				
Ebstein anomaly		*					
Epispadias		*					
Esophageal atresia/tracheoesophageal fistula		*					
Hirschsprung's disease (congenital megacolon)		*					
Hydrocephalus without Spina Bifida		*					
Hypospadias		23	37.65				
Microcephalus		11	18.01				
Obstructive genitourinary defect		23	37.65				

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County	Live Births			County	Live Births		
Defect		Total	Rate	Defect		Total	Rate
DUBOIS	2572			DUBOIS	2572		
All Defects		59	229.39	Ventricular septal defect		*	
Anotia/microtia		*					
Atrial septal defect		*					
Autism		*					
Cleft lip with and without cleft palate		*					
Cleft palate without cleft lip		*					
Coarctation of aorta		*					
Congenital hip dislocation		*					
Down syndrome		*					
Hirschsprung's disease (congenital megacolon)		*					
Hydrocephalus without Spina Bifida		*					
Hypospadias		*					
Microcephalus		*					
Obstructive genitourinary defect		10	38.88				
Patent ductus arteriosus		7	27.22				
Pyloric stenosis		6	23.33				
Rectal and large intestinal atresia/stenosis		*					
Reduction deformity, lower limbs		*					
Reduction deformity, upper limbs		*					
Renal agenesis/hypoplasia		*					
Spina bifida without anencephalus		*					
Transposition of great arteries		*					

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County	Live Births			County	Live Births		
Defect		Total	Rate	Defect		Total	Rate
ELKHART	16259			ELKHART	16259		
All Defects		361	222.03	Hirschsprung's disease (congenital megacolon)		6	3.69
Anencephalus		*		Hydrocephalus without Spina Bifida		6	3.69
Aniridia		*		Hypoplastic left heart syndrome		*	
Anophthalmia/microphthalmia		*		Hypospadias		46	28.29
Anotia/microtia		*		Microcephalus		20	12.3
Aortic valve stenosis		*		Obstructive genitourinary defect		16	9.84
Atrial septal defect		46	28.29	Patent ductus arteriosus		27	16.61
Atrioventricular septal defect		9	5.54	Pulmonary valve atresia and stenosis		11	6.77
Autism		26	15.99	Pyloric stenosis		41	25.22
Cleft lip with and without cleft palate		11	6.77	Rectal and large intestinal atresia/stenosis		*	
Cleft palate without cleft lip		14	8.61	Reduction deformity, lower limbs		*	
Coarctation of aorta		7	4.31	Reduction deformity, upper limbs		*	
Common truncus		*		Renal agenesis/hypoplasia		7	4.31
Congenital cataract		*		Spina bifida without anencephalus		*	
Congenital hip dislocation		15	9.23	Tetralogy of fallot		9	5.54
Diaphragmatic hernia		7	4.31	Total anomalous pulmonary venous connection		*	
Down syndrome		15	9.23	Transposition of great arteries		*	
Encephalocele		*		Tricuspid valve atresia and stenosis		*	
Esophageal atresia/tracheoesophageal fistula		*		Trisomy 13 (Patau syndrome)		*	
Fetus or newborn affected by maternal alcohol use		*		Trisomy 18 (Edwards syndrome)		*	
Gastroschisis		9	5.54				

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County	Live Births			County	Live Births		
Defect		Total	Rate	Defect		Total	Rate
ELKHART	16259						
Ventricular septal defect		47	28.91				

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County	Live Births			County	Live Births		
Defect		Total	Rate	Defect		Total	Rate
FAYETTE	1285			FAYETTE	1285		
All Defects		39	303.5	Ventricular septal defect		*	
Aortic valve stenosis		*		FLOYD	3546		
Atrial septal defect		*		All Defects		51	143.82
Atrioventricular septal defect		*		Atrial septal defect		6	16.92
Autism		*		Autism		*	
Cleft lip with and without cleft palate		*		Cleft lip with and without cleft palate		*	
Coarctation of aorta		*		Cleft palate without cleft lip		6	16.92
Congenital hip dislocation		*		Diaphragmatic hernia		*	
Diaphragmatic hernia		*		Down syndrome		*	
Down syndrome		*		Hypospadias		*	
Esophageal atresia/tracheoesophageal fistula		*		Obstructive genitourinary defect		*	
Gastroschisis		*		Patent ductus arteriosus		*	
Hypospadias		10	77.82	Pulmonary valve atresia and stenosis		*	
Microcephalus		*		Pyloric stenosis		*	
Obstructive genitourinary defect		*		Rectal and large intestinal atresia/stenosis		*	
Pulmonary valve atresia and stenosis		*		Tetralogy of fallot		*	
Pyloric stenosis		7	54.47	Ventricular septal defect		14	39.48
Rectal and large intestinal atresia/stenosis		*					
Reduction deformity, upper limbs		*					
Spina bifida without anencephalus		*					
Transposition of great arteries		*					

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Data compiled on 9/7/2012 1:23:53 PM

County	Live Births			County	Live Births		
Defect		Total	Rate	Defect		Total	Rate
FOUNTAIN	905			FRANKLIN	968		
All Defects		30	331.49	All Defects		16	165.29
Atrial septal defect		*		Atrial septal defect		*	
Autism		*		Cleft lip with and without cleft palate		*	
Cleft lip with and without cleft palate		*		Coarctation of aorta		*	
Cleft palate without cleft lip		*		Hypospadias		*	
Down syndrome		*		Obstructive genitourinary defect		*	
Hirschsprung's disease (congenital megacolon)		*		Patent ductus arteriosus		*	
Hydrocephalus without Spina Bifida		*		Pulmonary valve atresia and stenosis		*	
Hypospadias		*		Pyloric stenosis		*	
Obstructive genitourinary defect		7	77.35	Renal agenesis/hypoplasia		*	
Patent ductus arteriosus		*		Transposition of great arteries		*	
Pulmonary valve atresia and stenosis		*		Tricuspid valve atresia and stenosis		*	
Pyloric stenosis		*		Ventricular septal defect		*	
Rectal and large intestinal atresia/stenosis		*					
Ventricular septal defect		6	66.3				

* indicates < 5 in number occurred.

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

Data compiled on 9/7/2012 1:23:53 PM

County	Live Births			County	Live Births		
Defect		Total	Rate	Defect		Total	Rate
FULTON	1293						
All Defects		40	309.36				
Anencephalus		*					
Atrial septal defect		6	46.4				
Autism		*					
Biliary atresia		*					
Cleft lip with and without cleft palate		*					
Coarctation of aorta		*					
Congenital hip dislocation		*					
Diaphragmatic hernia		*					
Down syndrome		*					
Hydrocephalus without Spina Bifida		*					
Hypospadias		*					
Microcephalus		*					
Obstructive genitourinary defect		*					
Patent ductus arteriosus		*					
Pulmonary valve atresia and stenosis		*					
Pyloric stenosis		6	46.4				
Spina bifida without anencephalus		*					
Tetralogy of fallot		*					
Transposition of great arteries		*					
Ventricular septal defect		*					

* indicates < 5 in number occurred.

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

Data compiled on 9/7/2012 1:23:53 PM

County	Live Births			County	Live Births		
Defect		Total	Rate	Defect		Total	Rate
GIBSON	1773			GIBSON	1773		
All Defects		43	242.53	Spina bifida without anencephalus	*		
Atrial septal defect		6	33.84	Tetralogy of fallot	*		
Autism		*		Transposition of great arteries	*		
Bladder exstrophy		*		Ventricular septal defect	7	39.48	
Choanal atresia		*					
Cleft lip with and without cleft palate		*					
Cleft palate without cleft lip		*					
Coarctation of aorta		*					
Congenital hip dislocation		*					
Down syndrome		*					
Gastroschisis		*					
Hydrocephalus without Spina Bifida		*					
Hypoplastic left heart syndrome		*					
Hypospadias		6	33.84				
Microcephalus		*					
Obstructive genitourinary defect		*					
Patent ductus arteriosus		*					
Pulmonary valve atresia and stenosis		*					
Pyloric stenosis		*					
Rectal and large intestinal atresia/stenosis		*					
Reduction deformity, upper limbs		*					
Renal agenesis/hypoplasia		*					

* indicates < 5 in number occurred.

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

Data compiled on 9/7/2012 1:23:53 PM

County	Live Births			County	Live Births		
Defect		Total	Rate	Defect		Total	Rate
GRANT	3933			GRANT	3933		
All Defects		77	195.78	Pulmonary valve atresia and stenosis		*	
Aortic valve stenosis		*		Pyloric stenosis		8	20.34
Atrial septal defect		11	27.97	Rectal and large intestinal atresia/stenosis		*	
Atrioventricular septal defect		*		Reduction deformity, lower limbs		*	
Autism		*		Renal agenesis/hypoplasia		*	
Cleft lip with and without cleft palate		*		Spina bifida without anencephalus		*	
Cleft palate without cleft lip		*		Tetralogy of fallot		*	
Coarctation of aorta		*		Transposition of great arteries		*	
Congenital hip dislocation		*		Ventricular septal defect		12	30.51
Diaphragmatic hernia		*					
Down syndrome		*					
Epispadias		*					
Esophageal atresia/tracheoesophageal fistula		*					
Fetus or newborn affected by maternal alcohol use		*					
Gastroschisis		*					
Hydrocephalus without Spina Bifida		*					
Hypoplastic left heart syndrome		*					
Hypospadias		12	30.51				
Microcephalus		*					
Obstructive genitourinary defect		*					
Patent ductus arteriosus		8	20.34				

* indicates < 5 in number occurred.

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

Data compiled on 9/7/2012 1:23:53 PM

County	Live Births			County	Live Births		
Defect		Total	Rate	Defect		Total	Rate
GREENE	1732						
All Defects		35	202.08				
Aortic valve stenosis		*					
Atrioventricular septal defect		*					
Autism		*					
Bladder exstrophy		*					
Cleft palate without cleft lip		*					
Coarctation of aorta		*					
Congenital hip dislocation		*					
Hydrocephalus without Spina Bifida		*					
Hypospadias		8	46.19				
Microcephalus		*					
Obstructive genitourinary defect		*					
Patent ductus arteriosus		*					
Pyloric stenosis		7	40.42				
Rectal and large intestinal atresia/stenosis		*					
Tetralogy of fallot		*					
Ventricular septal defect		6	34.64				

* indicates < 5 in number occurred.

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

Data compiled on 9/7/2012 1:23:53 PM

County	Live Births			County	Live Births		
Defect		Total	Rate	Defect		Total	Rate
HAMILTON	19049			HAMILTON	19049		
All Defects		521	273.51	Hirschsprung's disease (congenital megacolon)	*		
Anencephalus		*		Hydrocephalus without Spina Bifida	*		
Anophthalmia/microphthalmia		*		Hypoplastic left heart syndrome	6		3.15
Anotia/microtia		*		Hypospadias	89		46.72
Aortic valve stenosis		*		Microcephalus	8		4.2
Atrial septal defect		36	18.9	Obstructive genitourinary defect	81		42.52
Atrioventricular septal defect		9	4.72	Patent ductus arteriosus	30		15.75
Autism		44	23.1	Pulmonary valve atresia and stenosis	7		3.67
Biliary atresia		*		Pyloric stenosis	38		19.95
Choanal atresia		*		Rectal and large intestinal atresia/stenosis	6		3.15
Cleft lip with and without cleft palate		21	11.02	Reduction deformity, lower limbs	*		
Cleft palate without cleft lip		11	5.77	Reduction deformity, upper limbs	6		3.15
Coarctation of aorta		12	6.3	Renal agenesis/hypoplasia	6		3.15
Congenital cataract		*		Spina bifida without anencephalus	7		3.67
Congenital hip dislocation		35	18.37	Tetralogy of fallot	7		3.67
Diaphragmatic hernia		6	3.15	Transposition of great arteries	6		3.15
Down syndrome		26	13.65	Tricuspid valve atresia and stenosis	*		
Encephalocele		*		Trisomy 13 (Patau syndrome)	*		
Epispadias		*		Trisomy 18 (Edwards syndrome)	*		
Esophageal atresia/tracheoesophageal fistula		*		Ventricular septal defect	63		33.07
Fetus or newborn affected by maternal alcohol use		*					
Gastroschisis		*					

* indicates < 5 in number occurred.

Note—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
HANCOCK	4146			HANCOCK	4146		
All Defects		95	229.14	Obstructive genitourinary defect		16	38.59
Atrial septal defect		11	26.53	Patent ductus arteriosus		11	26.53
Atrioventricular septal defect		*		Pulmonary valve atresia and stenosis		*	
Autism		*		Pyloric stenosis		6	14.47
Biliary atresia		*		Rectal and large intestinal atresia/stenosis		*	
Choanal atresia		*		Reduction deformity, lower limbs		*	
Cleft lip with and without cleft palate		*		Reduction deformity, upper limbs		*	
Cleft palate without cleft lip		*		Renal agenesis/hypoplasia		*	
Coarctation of aorta		*		Tetralogy of fallot		*	
Congenital hip dislocation		*		Total anomalous pulmonary venous connection		*	
Diaphragmatic hernia		*		Transposition of great arteries		*	
Down syndrome		*		Tricuspid valve atresia and stenosis		*	
Ebstein anomaly		*		Trisomy 18 (Edwards syndrome)		*	
Encephalocele		*		Ventricular septal defect		16	38.59
Epispadias		*					
Esophageal atresia/tracheoesophageal fistula		*					
Fetus or newborn affected by maternal alcohol use		*					
Gastroschisis		*					
Hydrocephalus without Spina Bifida		*					
Hypoplastic left heart syndrome		*					
Hypospadias		7	16.88				
Microcephalus		*					

* indicates < 5 in number occurred.

Note—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
HARRISON	1775						
All Defects		22	123.94				
Cleft lip with and without cleft palate *							
Coarctation of aorta		*					
Down syndrome		*					
Epispadias		*					
Hypospadias		*					
Microcephalus		*					
Patent ductus arteriosus		*					
Renal agenesis/hypoplasia		*					
Ventricular septal defect		8	45.07				

* indicates < 5 in number occurred.

Note—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
HENDRICKS	9188			HENDRICKS	9188		
All Defects		203	220.94	Microcephalus		*	
Anophthalmia/microphthalmia		*		Obstructive genitourinary defect		23	25.03
Atrial septal defect		23	25.03	Patent ductus arteriosus		15	16.33
Atrioventricular septal defect		*		Pulmonary valve atresia and stenosis		6	6.53
Autism		12	13.06	Pyloric stenosis		25	27.21
Biliary atresia		*		Rectal and large intestinal atresia/stenosis		7	7.62
Choanal atresia		*		Reduction deformity, upper limbs		*	
Cleft lip with and without cleft palate	6		6.53	Renal agenesis/hypoplasia		*	
Cleft palate without cleft lip		*		Spina bifida without anencephalus		*	
Coarctation of aorta		*		Tetralogy of fallot		*	
Common truncus		*		Total anomalous pulmonary venous connection		*	
Congenital cataract		*		Transposition of great arteries		*	
Congenital hip dislocation	14		15.24	Trisomy 18 (Edwards syndrome)		*	
Diaphragmatic hernia		*		Ventricular septal defect		32	34.83
Down syndrome	13		14.15				
Ebstein anomaly		*					
Epispadias		*					
Gastroschisis		*					
Hirschsprung's disease (congenital megacolon)		*					
Hydrocephalus without Spina Bifida	7		7.62				
Hypoplastic left heart syndrome		*					
Hypospadias	28		30.47				

* indicates < 5 in number occurred.

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

Data compiled on 9/7/2012 1:23:53 PM

County	Live Births			County	Live Births		
Defect		Total	Rate	Defect		Total	Rate
HENRY	2455			HENRY	2455		
All Defects		66	268.84	Ventricular septal defect		10	40.73
Atrial septal defect		7	28.51				
Atrioventricular septal defect		*					
Autism		*					
Choanal atresia		*					
Cleft lip with and without cleft palate		6	24.44				
Cleft palate without cleft lip		*					
Coarctation of aorta		*					
Congenital hip dislocation		*					
Down syndrome		*					
Esophageal atresia/tracheoesophageal fistula		*					
Gastroschisis		*					
Hypospadias		11	44.81				
Microcephalus		*					
Obstructive genitourinary defect		6	24.44				
Patent ductus arteriosus		*					
Pulmonary valve atresia and stenosis		*					
Pyloric stenosis		6	24.44				
Renal agenesis/hypoplasia		*					
Tetralogy of fallot		*					
Transposition of great arteries		*					
Trisomy 18 (Edwards syndrome)		*					

* indicates < 5 in number occurred.

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

Data compiled on 9/7/2012 1:23:53 PM

County	Live Births			County	Live Births		
Defect		Total	Rate	Defect		Total	Rate
HOWARD	5210			HOWARD	5210		
All Defects		135	259.12	Hypoplastic left heart syndrome		*	
Anotia/microtia		*		Hypospadias		19	36.47
Aortic valve stenosis		*		Microcephalus		*	
Atrial septal defect		12	23.03	Obstructive genitourinary defect		11	21.11
Atrioventricular septal defect		*		Patent ductus arteriosus		*	
Autism		*		Pulmonary valve atresia and stenosis		*	
Bladder exstrophy		*		Pyloric stenosis		16	30.71
Cleft lip with and without cleft palate	8		15.36	Rectal and large intestinal atresia/stenosis		*	
Cleft palate without cleft lip		*		Reduction deformity, lower limbs		*	
Coarctation of aorta		*		Reduction deformity, upper limbs		*	
Common truncus		*		Spina bifida without anencephalus		*	
Congenital hip dislocation		*		Tetralogy of fallot		*	
Diaphragmatic hernia		*		Transposition of great arteries		*	
Down syndrome		7	13.44	Ventricular septal defect		26	49.9
Encephalocele		*					
Epispadias		*					
Esophageal atresia/tracheoesophageal fistula		*					
Fetus or newborn affected by maternal alcohol use		*					
Gastroschisis		*					
Hirschsprung's disease (congenital megacolon)		*					
Hydrocephalus without Spina Bifida		*					

* indicates < 5 in number occurred.

Note—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
HUNTINGTON	2186			HUNTINGTON	2186		
All Defects		90	411.71	Renal agenesis/hypoplasia		*	
Atrial septal defect		27	123.51	Tetralogy of fallot		*	
Atrioventricular septal defect		*		Transposition of great arteries		*	
Autism		6	27.45	Ventricular septal defect		8	36.6
Biliary atresia		*					
Cleft lip with and without cleft palate		*					
Cleft palate without cleft lip		6	27.45				
Congenital hip dislocation		*					
Diaphragmatic hernia		*					
Down syndrome		*					
Fetus or newborn affected by maternal alcohol use		*					
Hydrocephalus without Spina Bifida		*					
Hypoplastic left heart syndrome		*					
Hypospadias		13	59.47				
Microcephalus		9	41.17				
Obstructive genitourinary defect		*					
Patent ductus arteriosus		6	27.45				
Pulmonary valve atresia and stenosis		*					
Pyloric stenosis		*					
Rectal and large intestinal atresia/stenosis		*					
Reduction deformity, upper limbs		*					

* indicates < 5 in number occurred.

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County	Live Births			County	Live Births		
Defect		Total	Rate	Defect		Total	Rate
JACKSON	2779			JACKSON	2779		
All Defects		92	331.05	Reduction deformity, lower limbs		*	
Anencephalus		*		Renal agenesis/hypoplasia		*	
Anotia/microtia		*		Tetralogy of fallot		*	
Aortic valve stenosis		*		Total anomalous pulmonary venous connection		*	
Atrial septal defect		23	82.76	Transposition of great arteries		*	
Autism		*		Tricuspid valve atresia and stenosis		*	
Choanal atresia		*		Trisomy 18 (Edwards syndrome)		*	
Cleft lip with and without cleft palate		*		Ventricular septal defect	12		43.18
Cleft palate without cleft lip		*					
Coarctation of aorta		*					
Congenital hip dislocation		*					
Down syndrome		*					
Epispadias		*					
Gastroschisis		*					
Hydrocephalus without Spina Bifida		*					
Hypospadias		7	25.19				
Microcephalus		*					
Obstructive genitourinary defect		12	43.18				
Patent ductus arteriosus		6	21.59				
Pulmonary valve atresia and stenosis		*					
Pyloric stenosis		13	46.78				
Rectal and large intestinal atresia/stenosis		*					

* indicates < 5 in number occurred.

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

Data compiled on 9/7/2012 1:23:53 PM

County	Live Births			County	Live Births		
Defect		Total	Rate	Defect		Total	Rate
JASPER	1964			JAY	1407		
All Defects		49	249.49	All Defects		34	241.65
Atrial septal defect		*		Atrial septal defect		*	
Atrioventricular septal defect		*		Atrioventricular septal defect		*	
Autism		*		Autism		*	
Cleft lip with and without cleft palate		*		Cleft palate without cleft lip		*	
Cleft palate without cleft lip		*		Down syndrome		*	
Congenital hip dislocation		*		Hirschsprung's disease (congenital megacolon)		*	
Diaphragmatic hernia		*		Hypospadias		*	
Down syndrome		*		Microcephalus		*	
Fetus or newborn affected by maternal alcohol use		*		Patent ductus arteriosus		*	
Gastroschisis		*		Pulmonary valve atresia and stenosis		*	
Hypospadias		11	56.01	Pyloric stenosis		6	42.64
Obstructive genitourinary defect		*		Tetralogy of fallot		*	
Patent ductus arteriosus		*		Transposition of great arteries		*	
Pulmonary valve atresia and stenosis		*		Ventricular septal defect		6	42.64
Pyloric stenosis		*					
Rectal and large intestinal atresia/stenosis		*					
Renal agenesis/hypoplasia		*					
Spina bifida without anencephalus		*					
Transposition of great arteries		*					
Ventricular septal defect		7	35.64				

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County	Live Births			County	Live Births		
Defect		Total	Rate	Defect		Total	Rate
JEFFERSON	1724						
All Defects		25	145.01				
Autism		*					
Cleft palate without cleft lip		*					
Down syndrome		*					
Gastroschisis		*					
Hypoplastic left heart syndrome		*					
Hypospadias		9	52.2				
Microcephalus		*					
Obstructive genitourinary defect		*					
Reduction deformity, upper limbs		*					
Renal agenesis/hypoplasia		*					
Tetralogy of fallot		*					
Ventricular septal defect		*					

* indicates < 5 in number occurred.

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

Data compiled on 9/7/2012 1:23:53 PM

County	Live Births			County	Live Births		
Defect		Total	Rate	Defect		Total	Rate
JENNINGS	1858			JENNINGS	1858		
All Defects		44	236.81	Renal agenesis/hypoplasia		*	
Anophthalmia/microphthalmia		*		Spina bifida without anencephalus		*	
Aortic valve stenosis		*		Total anomalous pulmonary venous connection		*	
Atrial septal defect		7	37.67	Transposition of great arteries		*	
Atrioventricular septal defect		*		Tricuspid valve atresia and stenosis		*	
Cleft lip with and without cleft palate		*		Ventricular septal defect		*	
Coarctation of aorta		*					
Congenital hip dislocation		*					
Down syndrome		*					
Ebstein anomaly		*					
Esophageal atresia/tracheoesophageal fistula		*					
Gastroschisis		*					
Hydrocephalus without Spina Bifida		*					
Hypospadias		*					
Microcephalus		*					
Obstructive genitourinary defect		9	48.44				
Patent ductus arteriosus		*					
Pulmonary valve atresia and stenosis		*					
Pyloric stenosis		*					
Rectal and large intestinal atresia/stenosis		*					
Reduction deformity, upper limbs		*					

* indicates < 5 in number occurred.

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

Data compiled on 9/7/2012 1:23:53 PM

County	Live Births			County	Live Births		
Defect		Total	Rate	Defect		Total	Rate
JOHNSON	9016			JOHNSON	9016		
All Defects		249	276.18	Microcephalus		*	
Anophthalmia/microphthalmia		*		Obstructive genitourinary defect		25	27.73
Atrial septal defect		47	52.13	Patent ductus arteriosus		17	18.86
Atrioventricular septal defect		*		Pulmonary valve atresia and stenosis		*	
Autism		17	18.86	Pyloric stenosis		28	31.06
Bladder exstrophy		*		Rectal and large intestinal atresia/stenosis		*	
Choanal atresia		*		Reduction deformity, upper limbs		*	
Cleft lip with and without cleft palate	7		7.76	Renal agenesis/hypoplasia		*	
Cleft palate without cleft lip	6		6.65	Spina bifida without anencephalus		*	
Coarctation of aorta	10		11.09	Tetralogy of fallot		*	
Common truncus	*			Total anomalous pulmonary venous connection		*	
Congenital hip dislocation	10		11.09	Transposition of great arteries		*	
Diaphragmatic hernia	*			Tricuspid valve atresia and stenosis		*	
Down syndrome	15		16.64	Trisomy 13 (Patau syndrome)		*	
Encephalocele	*			Trisomy 18 (Edwards syndrome)		*	
Epispadias	*			Ventricular septal defect		43	47.69
Fetus or newborn affected by maternal alcohol use	*						
Gastroschisis	*						
Hirschsprung's disease (congenital megacolon)	*						
Hydrocephalus without Spina Bifida	*						
Hypoplastic left heart syndrome	*						
Hypospadias	19		21.07				

* indicates < 5 in number occurred.

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

Data compiled on 9/7/2012 1:23:53 PM

County	Live Births			County	Live Births		
Defect		Total	Rate	Defect		Total	Rate
KNOX	2252						
All Defects		48	213.14				
Anophthalmia/microphthalmia		*					
Atrial septal defect		8	35.52				
Atrioventricular septal defect		*					
Autism		*					
Cleft lip with and without cleft palate		*					
Coarctation of aorta		*					
Congenital cataract		*					
Congenital hip dislocation		*					
Down syndrome		*					
Gastroschisis		*					
Hypospadias		*					
Microcephalus		*					
Obstructive genitourinary defect		*					
Patent ductus arteriosus		*					
Pulmonary valve atresia and stenosis		*					
Pyloric stenosis		12	53.29				
Rectal and large intestinal atresia/stenosis		*					
Spina bifida without anencephalus		*					
Transposition of great arteries		*					
Tricuspid valve atresia and stenosis		*					
Ventricular septal defect		9	39.96				

* indicates < 5 in number occurred.

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

Data compiled on 9/7/2012 1:23:53 PM

County	Live Births			County	Live Births		
Defect		Total	Rate	Defect		Total	Rate
KOSCIUSKO	5269			KOSCIUSKO	5269		
All Defects		124	235.34	Rectal and large intestinal atresia/stenosis		*	
Atrial septal defect		26	49.35	Reduction deformity, lower limbs		*	
Atrioventricular septal defect		*		Reduction deformity, upper limbs		*	
Autism		6	11.39	Renal agenesis/hypoplasia		*	
Cleft lip with and without cleft palate		8	15.18	Tetralogy of fallot		*	
Cleft palate without cleft lip		*		Trisomy 13 (Patau syndrome)		*	
Coarctation of aorta		*		Ventricular septal defect		22	41.75
Congenital hip dislocation		*					
Down syndrome		7	13.29				
Epispadias		*					
Esophageal atresia/tracheoesophageal fistula		*					
Gastroschisis		*					
Hirschsprung's disease (congenital megacolon)		*					
Hydrocephalus without Spina Bifida		*					
Hypospadias		18	34.16				
Microcephalus		7	13.29				
Obstructive genitourinary defect		*					
Patent ductus arteriosus		*					
Pulmonary valve atresia and stenosis		6	11.39				
Pyloric stenosis		16	30.37				

* indicates < 5 in number occurred.

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

Data compiled on 9/7/2012 1:23:53 PM

County	Live Births			County	Live Births		
Defect		Total	Rate	Defect		Total	Rate
LAGRANGE	3486						
All Defects		48	137.69				
Atrial septal defect		7	20.08				
Atrioventricular septal defect		*					
Autism		*					
Biliary atresia		*					
Choanal atresia		*					
Cleft palate without cleft lip		*					
Diaphragmatic hernia		*					
Down syndrome		*					
Fetus or newborn affected by maternal alcohol use		*					
Gastroschisis		*					
Hydrocephalus without Spina Bifida		*					
Hypoplastic left heart syndrome		*					
Hypospadias		7	20.08				
Microcephalus		*					
Obstructive genitourinary defect		*					
Patent ductus arteriosus		*					
Pyloric stenosis		*					
Spina bifida without anencephalus		*					
Transposition of great arteries		*					
Trisomy 13 (Patau syndrome)		*					
Ventricular septal defect		8	22.95				

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

Data compiled on 9/7/2012 1:23:53 PM

County	Live Births			County	Live Births		
Defect		Total	Rate	Defect		Total	Rate
LAKE	30491			LAKE	30491		
All Defects		618	202.68	Hirschsprung's disease (congenital megacolon)	*		
Aniridia		*		Hydrocephalus without Spina Bifida	21		6.89
Anophthalmia/microphthalmia		*		Hypoplastic left heart syndrome	*		
Anotia/microtia		*		Hypospadias	96		31.48
Aortic valve stenosis		*		Microcephalus	20		6.56
Atrial septal defect		33	10.82	Obstructive genitourinary defect	68		22.3
Atrioventricular septal defect		11	3.61	Patent ductus arteriosus	30		9.84
Autism		42	13.77	Pulmonary valve atresia and stenosis	14		4.59
Biliary atresia		*		Pyloric stenosis	67		21.97
Choanal atresia		*		Rectal and large intestinal atresia/stenosis	8		2.62
Cleft lip with and without cleft palate		28	9.18	Reduction deformity, lower limbs	8		2.62
Cleft palate without cleft lip		15	4.92	Reduction deformity, upper limbs	6		1.97
Coarctation of aorta		9	2.95	Renal agenesis/hypoplasia	*		
Common truncus		*		Spina bifida without anencephalus	7		2.3
Congenital cataract		*		Tetralogy of fallot	10		3.28
Congenital hip dislocation		7	2.3	Transposition of great arteries	*		
Diaphragmatic hernia		6	1.97	Tricuspid valve atresia and stenosis	*		
Down syndrome		40	13.12	Trisomy 13 (Patau syndrome)	*		
Epispadias		*		Trisomy 18 (Edwards syndrome)	*		
Esophageal atresia/tracheoesophageal fistula		*		Ventricular septal defect	97		31.81
Fetus or newborn affected by maternal alcohol use		7	2.3				
Gastroschisis		7	2.3				

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

Data compiled on 9/7/2012 1:23:53 PM

County	Live Births			County	Live Births		
Defect		Total	Rate	Defect		Total	Rate
LAPORTE	6497			LAPORTE	6497		
All Defects		147	226.26	Pulmonary valve atresia and stenosis		*	
Anophthalmia/microphthalmia		*		Pyloric stenosis		16	24.63
Anotia/microtia		*		Rectal and large intestinal atresia/stenosis		*	
Aortic valve stenosis		*		Reduction deformity, lower limbs		*	
Atrial septal defect		20	30.78	Reduction deformity, upper limbs		*	
Atrioventricular septal defect		*		Renal agenesis/hypoplasia		*	
Autism		7	10.77	Spina bifida without anencephalus		*	
Bladder exstrophy		*		Transposition of great arteries		*	
Choanal atresia		*		Trisomy 13 (Patau syndrome)		*	
Cleft lip with and without cleft palate		*		Trisomy 18 (Edwards syndrome)		*	
Cleft palate without cleft lip		*		Ventricular septal defect		18	27.71
Coarctation of aorta		*					
Congenital hip dislocation		*					
Down syndrome		*					
Esophageal atresia/tracheoesophageal fistula		*					
Fetus or newborn affected by maternal alcohol use		*					
Gastroschisis		*					
Hydrocephalus without Spina Bifida		6	9.24				
Hypospadias		19	29.24				
Microcephalus		6	9.24				
Obstructive genitourinary defect		14	21.55				
Patent ductus arteriosus		15	23.09				

* indicates < 5 in number occurred.

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Data compiled on 9/7/2012 1:23:53 PM

County	Live Births			County	Live Births		
Defect		Total	Rate	Defect		Total	Rate
LAWRENCE	2533			LAWRENCE	2533		
All Defects		74	292.14	Transposition of great arteries		*	
Aortic valve stenosis		*		Ventricular septal defect		13	51.32
Atrial septal defect		12	47.37				
Atrioventricular septal defect		*					
Autism		*					
Cleft palate without cleft lip		*					
Coarctation of aorta		*					
Congenital hip dislocation		*					
Diaphragmatic hernia		*					
Down syndrome		*					
Ebstein anomaly		*					
Hirschsprung's disease (congenital megacolon)		*					
Hydrocephalus without Spina Bifida		*					
Hypospadias		17	67.11				
Microcephalus		*					
Obstructive genitourinary defect		10	39.48				
Patent ductus arteriosus		*					
Pulmonary valve atresia and stenosis		*					
Pyloric stenosis		*					
Reduction deformity, lower limbs		*					
Spina bifida without anencephalus		*					
Tetralogy of fallot		*					

* indicates < 5 in number occurred.

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

Data compiled on 9/7/2012 1:23:53 PM

County	Live Births			County	Live Births		
Defect		Total	Rate	Defect		Total	Rate
MADISON	7796			MADISON	7796		
All Defects		183	234.74	Pulmonary valve atresia and stenosis		6	7.7
Atrial septal defect		18	23.09	Pyloric stenosis		19	24.37
Atrioventricular septal defect		*		Rectal and large intestinal atresia/stenosis		*	
Autism		13	16.68	Reduction deformity, lower limbs		*	
Biliary atresia		*		Renal agenesis/hypoplasia		*	
Cleft lip with and without cleft palate	9		11.54	Spina bifida without anencephalus		*	
Cleft palate without cleft lip		*		Tetralogy of fallot		*	
Coarctation of aorta		*		Total anomalous pulmonary venous connection		*	
Congenital cataract		*		Transposition of great arteries		*	
Congenital hip dislocation		*		Tricuspid valve atresia and stenosis		*	
Diaphragmatic hernia		*		Ventricular septal defect	24		30.79
Down syndrome		8	10.26				
Ebstein anomaly		*					
Fetus or newborn affected by maternal alcohol use		*					
Gastroschisis		*					
Hirschsprung's disease (congenital megacolon)		*					
Hydrocephalus without Spina Bifida		*					
Hypoplastic left heart syndrome		*					
Hypospadias		27	34.63				
Microcephalus		7	8.98				
Obstructive genitourinary defect		23	29.5				
Patent ductus arteriosus		20	25.65				

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Note—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
MARION	73649			MARION	73649		
All Defects		1698	230.55	Esophageal atresia/tracheoesophageal fistula		28	3.8
Anencephalus		*		Fetus or newborn affected by maternal alcohol use		18	2.44
Anophthalmia/microphthalmia		*		Gastroschisis		29	3.94
Anotia/microtia		7	.95	Hirschsprung's disease (congenital megacolon)		16	2.17
Aortic valve stenosis		16	2.17	Hydrocephalus without Spina Bifida		27	3.67
Atrial septal defect		234	31.77	Hypoplastic left heart syndrome		12	1.63
Atrioventricular septal defect		39	5.3	Hypospadias		215	29.19
Autism		96	13.03	Microcephalus		60	8.15
Biliary atresia		11	1.49	Obstructive genitourinary defect		165	22.4
Bladder exstrophy		*		Omphalocele		*	
Choanal atresia		11	1.49	Patent ductus arteriosus		167	22.68
Cleft lip with and without cleft palate		62	8.42	Pulmonary valve atresia and stenosis		48	6.52
Cleft palate without cleft lip		31	4.21	Pyloric stenosis		162	22
Coarctation of aorta		43	5.84	Rectal and large intestinal atresia/stenosis		38	5.16
Common truncus		*		Reduction deformity, lower limbs		6	.81
Congenital cataract		7	.95	Reduction deformity, upper limbs		16	2.17
Congenital hip dislocation		52	7.06	Renal agenesis/hypoplasia		26	3.53
Diaphragmatic hernia		26	3.53	Spina bifida without anencephalus		25	3.39
Down syndrome		85	11.54	Tetralogy of fallot		23	3.12
Ebstein anomaly		*					
Encephalocele		*					
Epispadias		10	1.36				

* indicates < 5 in number occurred.

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

Data compiled on 9/7/2012 1:23:53 PM

County	Live Births			County	Live Births		
Defect	Total	Rate		Defect	Total	Rate	
MARION	73649						
Total anomalous pulmonary venous connection	8	1.09					
Transposition of great arteries	34	4.62					
Tricuspid valve atresia and stenosis	7	.95					
Trisomy 13 (Patau syndrome)	*						
Trisomy 18 (Edwards syndrome)	16	2.17					
Ventricular septal defect	245	33.27					

* indicates < 5 in number occurred.

Note—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
MARSHALL	3083			MARSHALL	3083		
All Defects		78	253	Rectal and large intestinal atresia/stenosis		*	
Anophthalmia/microphthalmia		*		Renal agenesis/hypoplasia		*	
Atrial septal defect		7	22.71	Spina bifida without anencephalus		*	
Atrioventricular septal defect		*		Tetralogy of fallot		*	
Autism		9	29.19	Transposition of great arteries		*	
Cleft lip with and without cleft palate		*		Trisomy 13 (Patau syndrome)		*	
Coarctation of aorta		*		Trisomy 18 (Edwards syndrome)		*	
Congenital cataract		*		Ventricular septal defect	8		25.95
Diaphragmatic hernia		*					
Down syndrome		*					
Encephalocele		*					
Esophageal atresia/tracheoesophageal fistula		*					
Gastroschisis		*					
Hirschsprung's disease (congenital megacolon)		*					
Hydrocephalus without Spina Bifida		*					
Hypospadias		9	29.19				
Microcephalus		*					
Obstructive genitourinary defect		*					
Patent ductus arteriosus		11	35.68				
Pulmonary valve atresia and stenosis		*					
Pyloric stenosis		8	25.95				

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County	Live Births			County	Live Births		
Defect		Total	Rate	Defect		Total	Rate
MARTIN	766						
All Defects		20	261.1				
Aortic valve stenosis		*					
Atrial septal defect		*					
Cleft lip with and without cleft palate		*					
Coarctation of aorta		*					
Congenital cataract		*					
Congenital hip dislocation		*					
Down syndrome		*					
Gastroschisis		*					
Hirschsprung's disease (congenital megacolon)		*					
Hypospadias		*					
Obstructive genitourinary defect		*					
Patent ductus arteriosus		*					
Pyloric stenosis		*					
Rectal and large intestinal atresia/stenosis		*					
Spina bifida without anencephalus		*					
Ventricular septal defect		*					

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Data compiled on 9/7/2012 1:23:53 PM

County	Live Births			County	Live Births		
Defect		Total	Rate	Defect		Total	Rate
MIAMI	2042			MIAMI	2042		
All Defects		48	235.06	Total anomalous pulmonary venous connection *			
Aniridia		*		Transposition of great arteries		*	
Aortic valve stenosis		*		Ventricular septal defect		*	
Atrial septal defect		9	44.07				
Autism		*					
Cleft lip with and without cleft palate *							
Cleft palate without cleft lip		*					
Coarctation of aorta		*					
Down syndrome		*					
Fetus or newborn affected by maternal alcohol use		*					
Gastroschisis		*					
Hydrocephalus without Spina Bifida *							
Hypospadias		*					
Obstructive genitourinary defect		*					
Patent ductus arteriosus		*					
Pulmonary valve atresia and stenosis		*					
Pyloric stenosis		*					
Rectal and large intestinal atresia/stenosis		*					
Renal agenesis/hypoplasia		*					
Spina bifida without anencephalus		*					
Tetralogy of fallot		*					

* indicates < 5 in number occurred.

Note—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
MONROE	6375			MONROE	6375		
All Defects		188	294.9	Microcephalus		*	
Aniridia		*		Obstructive genitourinary defect		24	37.65
Anophthalmia/microphthalmia		*		Patent ductus arteriosus		13	20.39
Anotia/microtia		*		Pulmonary valve atresia and stenosis		*	
Atrial septal defect		34	53.33	Pyloric stenosis		14	21.96
Atrioventricular septal defect		*		Rectal and large intestinal atresia/stenosis		*	
Autism		6	9.41	Renal agenesis/hypoplasia		*	
Cleft lip with and without cleft palate		6	9.41	Spina bifida without anencephalus		*	
Cleft palate without cleft lip		11	17.25	Tetralogy of fallot		*	
Coarctation of aorta		*		Total anomalous pulmonary venous connection		*	
Congenital hip dislocation		10	15.69	Transposition of great arteries		*	
Diaphragmatic hernia		*		Ventricular septal defect		31	48.63
Down syndrome		10	15.69				
Ebstein anomaly		*					
Encephalocele		*					
Epispadias		*					
Esophageal atresia/tracheoesophageal fistula		*					
Gastroschisis		*					
Hirschsprung's disease (congenital megacolon)		*					
Hydrocephalus without Spina Bifida		*					
Hypoplastic left heart syndrome		*					
Hypospadias		24	37.65				

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County	Live Births			County	Live Births		
Defect		Total	Rate	Defect		Total	Rate
MONTGOMERY	2248			MONTGOMERY	2248		
All Defects		62	275.8	Total anomalous pulmonary venous connection *			
Anotia/microtia		*		Transposition of great arteries *			
Atrial septal defect		9	40.04	Tricuspid valve atresia and stenosis *			
Atrioventricular septal defect		*		Trisomy 18 (Edwards syndrome) *			
Autism		*		Ventricular septal defect	14		62.28
Cleft lip with and without cleft palate *		*					
Cleft palate without cleft lip		*					
Coarctation of aorta		*					
Congenital hip dislocation		*					
Down syndrome		*					
Ebstein anomaly		*					
Fetus or newborn affected by maternal alcohol use		*					
Gastroschisis		*					
Hypoplastic left heart syndrome		*					
Hypospadias		7	31.14				
Microcephalus		*					
Obstructive genitourinary defect		7	31.14				
Patent ductus arteriosus		8	35.59				
Pulmonary valve atresia and stenosis		*					
Pyloric stenosis		*					
Reduction deformity, upper limbs		*					
Renal agenesis/hypoplasia		*					

* indicates < 5 in number occurred.

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

Data compiled on 9/7/2012 1:23:53 PM

County	Live Births			County	Live Births		
Defect		Total	Rate	Defect		Total	Rate
MORGAN	4118			MORGAN	4118		
All Defects		117	284.12	Obstructive genitourinary defect		14	34
Aortic valve stenosis		*		Patent ductus arteriosus		6	14.57
Atrial septal defect		13	31.57	Pulmonary valve atresia and stenosis		*	
Atrioventricular septal defect		*		Pyloric stenosis		23	55.85
Autism		8	19.43	Rectal and large intestinal atresia/stenosis		*	
Biliary atresia		*		Renal agenesis/hypoplasia		*	
Bladder exstrophy		*		Spina bifida without anencephalus		*	
Choanal atresia		*		Tetralogy of fallot		*	
Cleft lip with and without cleft palate		*		Transposition of great arteries		*	
Cleft palate without cleft lip		*		Tricuspid valve atresia and stenosis		*	
Coarctation of aorta		*		Ventricular septal defect		13	31.57
Congenital hip dislocation		*					
Diaphragmatic hernia		*					
Down syndrome		*					
Encephalocele		*					
Epispadias		*					
Esophageal atresia/tracheoesophageal fistula		*					
Fetus or newborn affected by maternal alcohol use		*					
Gastroschisis		*					
Hydrocephalus without Spina Bifida		*					
Hypospadias		15	36.43				
Microcephalus		*					

* indicates < 5 in number occurred.

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

Data compiled on 9/7/2012 1:23:53 PM

County	Live Births			County	Live Births		
Defect		Total	Rate	Defect		Total	Rate
NEWTON	714						
All Defects		16	224.09				
Anotia/microtia		*					
Atrial septal defect		*					
Choanal atresia		*					
Cleft palate without cleft lip		*					
Coarctation of aorta		*					
Down syndrome		*					
Gastroschisis		*					
Hydrocephalus without Spina Bifida		*					
Hypospadias		*					
Patent ductus arteriosus		*					
Pyloric stenosis		*					
Ventricular septal defect		*					

* indicates < 5 in number occurred.

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

Data compiled on 9/7/2012 1:23:53 PM

County	Live Births			County	Live Births		
Defect		Total	Rate	Defect		Total	Rate
NOBLE	3228			NOBLE	3228		
All Defects		101	312.89	Reduction deformity, lower limbs		*	
Aortic valve stenosis		*		Reduction deformity, upper limbs		*	
Atrial septal defect		34	105.33	Renal agenesis/hypoplasia		*	
Autism		8	24.78	Spina bifida without anencephalus		*	
Choanal atresia		*		Transposition of great arteries		*	
Cleft lip with and without cleft palate		*		Trisomy 18 (Edwards syndrome)		*	
Cleft palate without cleft lip		*		Ventricular septal defect		15	46.47
Coarctation of aorta		*					
Congenital hip dislocation		*		OHIO	277		
Down syndrome		*		All Defects		*	
Fetus or newborn affected by maternal alcohol use		*		Cleft palate without cleft lip		*	
Gastroschisis		*		Hirschsprung's disease (congenital megacolon)		*	
Hirschsprung's disease (congenital megacolon)		*					
Hydrocephalus without Spina Bifida		*					
Hypoplastic left heart syndrome		*					
Hypospadias		6	18.59				
Microcephalus		*					
Obstructive genitourinary defect		6	18.59				
Patent ductus arteriosus		*					
Pulmonary valve atresia and stenosis		*					
Pyloric stenosis		11	34.08				

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

Data compiled on 9/7/2012 1:23:53 PM

County	Live Births			County	Live Births		
Defect		Total	Rate	Defect		Total	Rate
ORANGE	1144			OWEN	1075		
All Defects		32	279.72	All Defects		30	279.07
Atrial septal defect		8	69.93	Anotia/microtia		*	
Autism		*		Atrial septal defect		*	
Choanal atresia		*		Atrioventricular septal defect		*	
Cleft lip with and without cleft palate		*		Autism		*	
Cleft palate without cleft lip		*		Cleft lip with and without cleft palate		*	
Coarctation of aorta		*		Cleft palate without cleft lip		*	
Diaphragmatic hernia		*		Congenital hip dislocation		*	
Down syndrome		*		Diaphragmatic hernia		*	
Esophageal atresia/tracheoesophageal fistula		*		Down syndrome		*	
Hirschsprung's disease (congenital megacolon)		*		Hypospadias		*	
Hypospadias		*		Obstructive genitourinary defect		*	
Obstructive genitourinary defect		*		Patent ductus arteriosus		*	
Patent ductus arteriosus		*		Pyloric stenosis		*	
Pyloric stenosis		*		Spina bifida without anencephalus		*	
Tetralogy of fallot		*		Ventricular septal defect		*	
Transposition of great arteries		*					
Ventricular septal defect		6	52.45				

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

Data compiled on 9/7/2012 1:23:53 PM

County	Live Births			County	Live Births		
Defect		Total	Rate	Defect		Total	Rate
PARKE	856			PERRY	984		
All Defects		19	221.96	All Defects		19	193.09
Atrial septal defect		*		Choanal atresia		*	
Atrioventricular septal defect		*		Down syndrome		*	
Autism		*		Esophageal atresia/tracheoesophageal fistula		*	
Choanal atresia		*		Hypospadias		*	
Cleft palate without cleft lip		*		Microcephalus		*	
Esophageal atresia/tracheoesophageal fistula		*		Obstructive genitourinary defect		*	
Hypospadias		*		Patent ductus arteriosus		*	
Microcephalus		*		Pyloric stenosis		*	
Obstructive genitourinary defect		*		Rectal and large intestinal atresia/stenosis		*	
Pulmonary valve atresia and stenosis		*		Trisomy 18 (Edwards syndrome)		*	
Pyloric stenosis		*					
Spina bifida without anencephalus		*					
Tetralogy of fallot		*					
Ventricular septal defect		*					

* indicates < 5 in number occurred.

Note—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
PIKE	693						
All Defects		25	360.75				
Atrial septal defect		*					
Autism		*					
Encephalocele		*					
Esophageal atresia/tracheoesophageal fistula		*					
Gastroschisis		*					
Hypospadias		*					
Microcephalus		*					
Obstructive genitourinary defect		*					
Patent ductus arteriosus		*					
Pyloric stenosis		6	86.58				
Reduction deformity, upper limbs		*					
Transposition of great arteries		*					
Ventricular septal defect		*					

* indicates < 5 in number occurred.

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

Data compiled on 9/7/2012 1:23:53 PM

County	Live Births			County	Live Births		
Defect		Total	Rate	Defect		Total	Rate
PORTER	8886			PORTER	8886		
All Defects		182	204.82	Hirschsprung's disease (congenital megacolon)	*		
Aniridia		*		Hydrocephalus without Spina Bifida	*		
Anophthalmia/microphthalmia		*		Hypoplastic left heart syndrome	*		
Anotia/microtia		*		Hypospadias	19	21.38	
Aortic valve stenosis		*		Microcephalus	6	6.75	
Atrial septal defect		10	11.25	Obstructive genitourinary defect	23	25.88	
Atrioventricular septal defect		*		Omphalocele	*		
Autism		*		Patent ductus arteriosus	*		
Biliary atresia		*		Pulmonary valve atresia and stenosis	6	6.75	
Choanal atresia		*		Pyloric stenosis	31	34.89	
Cleft lip with and without cleft palate	*			Rectal and large intestinal atresia/stenosis	*		
Cleft palate without cleft lip		8	9	Reduction deformity, lower limbs	*		
Coarctation of aorta		*		Reduction deformity, upper limbs	7	7.88	
Congenital cataract		*		Renal agenesis/hypoplasia	*		
Congenital hip dislocation		*		Tetralogy of fallot	*		
Diaphragmatic hernia		*		Total anomalous pulmonary venous connection	*		
Down syndrome		14	15.76	Transposition of great arteries	*		
Encephalocele		*		Trisomy 18 (Edwards syndrome)	*		
Esophageal atresia/tracheoesophageal fistula		*		Ventricular septal defect	20	22.51	
Fetus or newborn affected by maternal alcohol use		*					
Gastroschisis		*					

* indicates < 5 in number occurred.

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

Data compiled on 9/7/2012 1:23:53 PM

County	Live Births			County	Live Births		
Defect		Total	Rate	Defect		Total	Rate
POSEY	1281			PULASKI	752		
All Defects		26	202.97	All Defects		22	292.55
Atrioventricular septal defect		*		Aortic valve stenosis		*	
Cleft lip with and without cleft palate		*		Cleft lip with and without cleft palate		*	
Congenital cataract		*		Cleft palate without cleft lip		*	
Hypospadias		*		Congenital hip dislocation		*	
Obstructive genitourinary defect		*		Hydrocephalus without Spina Bifida		*	
Patent ductus arteriosus		*		Hypospadias		*	
Pulmonary valve atresia and stenosis		*		Obstructive genitourinary defect		*	
Pyloric stenosis		7	54.64	Patent ductus arteriosus		*	
Renal agenesis/hypoplasia		*		Pyloric stenosis		9	119.68
Total anomalous pulmonary venous connection		*		Rectal and large intestinal atresia/stenosis		*	
Transposition of great arteries		*		Ventricular septal defect		*	
Ventricular septal defect		*					

* indicates < 5 in number occurred.

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

Data compiled on 9/7/2012 1:23:53 PM

County	Live Births			County	Live Births		
Defect		Total	Rate	Defect		Total	Rate
PUTNAM	1900			PUTNAM	1900		
All Defects		39	205.26	Transposition of great arteries		*	
Anotia/microtia		*		Ventricular septal defect		*	
Atrial septal defect		*					
Atrioventricular septal defect		*					
Autism		*					
Choanal atresia		*					
Cleft palate without cleft lip		*					
Down syndrome		*					
Ebstein anomaly		*					
Esophageal atresia/tracheoesophageal fistula		*					
Gastroschisis		*					
Hirschsprung's disease (congenital megacolon)		*					
Hydrocephalus without Spina Bifida		*					
Hypospadias		*					
Microcephalus		*					
Obstructive genitourinary defect		*					
Patent ductus arteriosus		*					
Pulmonary valve atresia and stenosis		*					
Pyloric stenosis		6	31.58				
Reduction deformity, upper limbs		*					
Renal agenesis/hypoplasia		*					

* indicates < 5 in number occurred.

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

Data compiled on 9/7/2012 1:23:53 PM

County	Live Births			County	Live Births		
Defect		Total	Rate	Defect		Total	Rate
RANDOLPH	1404			RANDOLPH	1404		
All Defects		53	377.49	Rectal and large intestinal atresia/stenosis		*	
Anophthalmia/microphthalmia		*		Reduction deformity, upper limbs		*	
Aortic valve stenosis		*		Tetralogy of fallot		*	
Atrial septal defect		7	49.86	Transposition of great arteries		*	
Autism		*		Ventricular septal defect		8	56.98
Biliary atresia		*					
Choanal atresia		*		RIPLEY	1660		
Cleft lip with and without cleft palate		*		All Defects		28	168.67
Cleft palate without cleft lip		*		Aniridia		*	
Congenital hip dislocation		*		Cleft lip with and without cleft palate		*	
Diaphragmatic hernia		*		Cleft palate without cleft lip		*	
Down syndrome		*		Congenital hip dislocation		*	
Esophageal atresia/tracheoesophageal fistula		*		Down syndrome		*	
Gastroschisis		*		Esophageal atresia/tracheoesophageal fistula		*	
Hydrocephalus without Spina Bifida		*		Gastroschisis		*	
Hypospadias		*		Hydrocephalus without Spina Bifida		*	
Microcephalus		*		Hypospadias		8	48.19
Obstructive genitourinary defect		7	49.86	Obstructive genitourinary defect		*	
Patent ductus arteriosus		*		Patent ductus arteriosus		*	
Pulmonary valve atresia and stenosis		*		Pulmonary valve atresia and stenosis		*	
Pyloric stenosis		6	42.74	Reduction deformity, lower limbs		*	
				Spina bifida without anencephalus		*	

* indicates < 5 in number occurred.

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

Data compiled on 9/7/2012 1:23:53 PM

County	Live Births			County	Live Births		
Defect		Total	Rate	Defect		Total	Rate
RUSH	929						
All Defects		22	236.81				
Cleft palate without cleft lip		*					
Coarctation of aorta		*					
Congenital hip dislocation		*					
Hirschsprung's disease (congenital megacolon)		*					
Hydrocephalus without Spina Bifida		*					
Hypoplastic left heart syndrome		*					
Hypospadias		*					
Microcephalus		*					
Obstructive genitourinary defect		*					
Pyloric stenosis		6	64.59				
Rectal and large intestinal atresia/stenosis		*					
Ventricular septal defect		*					

* indicates < 5 in number occurred.

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

Data compiled on 9/7/2012 1:23:53 PM

County	Live Births			County	Live Births		
Defect		Total	Rate	Defect		Total	Rate
ST. JOSEPH	17650			ST. JOSEPH	17650		
All Defects		395	223.8	Hirschsprung's disease (congenital megacolon)	*		
Anencephalus		*		Hydrocephalus without Spina Bifida	*		
Aniridia		*		Hydrocephalus without Spina Bifida	11		6.23
Anophthalmia/microphthalmia		*		Hypoplastic left heart syndrome	6		3.4
Anotia/microtia		*		Hypospadias	41		23.23
Aortic valve stenosis		*		Microcephalus	15		8.5
Atrial septal defect		37	20.96	Obstructive genitourinary defect	26		14.73
Atrioventricular septal defect		*		Patent ductus arteriosus	26		14.73
Autism		39	22.1	Pulmonary valve atresia and stenosis	13		7.37
Biliary atresia		*		Pyloric stenosis	39		22.1
Choanal atresia		*		Rectal and large intestinal atresia/stenosis	6		3.4
Cleft lip with and without cleft palate	14		7.93	Reduction deformity, lower limbs	*		
Cleft palate without cleft lip	13		7.37	Reduction deformity, upper limbs	*		
Coarctation of aorta	7		3.97	Renal agenesis/hypoplasia	10		5.67
Common truncus		*		Spina bifida without anencephalus	*		
Congenital hip dislocation	7		3.97	Tetralogy of fallot	*		
Diaphragmatic hernia		*		Transposition of great arteries	6		3.4
Down syndrome	28		15.86	Tricuspid valve atresia and stenosis	*		
Encephalocele		*		Trisomy 13 (Patau syndrome)	*		
Esophageal atresia/tracheoesophageal fistula		*		Trisomy 18 (Edwards syndrome)	*		
Fetus or newborn affected by maternal alcohol use		*		Ventricular septal defect	63		35.69
Gastroschisis	7		3.97				

* indicates < 5 in number occurred.

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

Data compiled on 9/7/2012 1:23:53 PM

County	Live Births			County	Live Births		
Defect		Total	Rate	Defect		Total	Rate
SCOTT	1413						
All Defects		8	56.62				
Atrial septal defect		*					
Hypospadias		*					
Microcephalus		*					
Renal agenesis/hypoplasia		*					
Spina bifida without anencephalus		*					
Transposition of great arteries		*					
Ventricular septal defect		*					

* indicates < 5 in number occurred.

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

Data compiled on 9/7/2012 1:23:53 PM

County	Live Births			County	Live Births		
Defect		Total	Rate	Defect		Total	Rate
SHELBY	2548			SHELBY	2548		
All Defects		85	333.59	Patent ductus arteriosus		*	
Anophthalmia/microphthalmia		*		Pulmonary valve atresia and stenosis		*	
Anotia/microtia		*		Pyloric stenosis		7	27.47
Atrial septal defect		16	62.79	Rectal and large intestinal atresia/stenosis		*	
Atrioventricular septal defect		*		Reduction deformity, upper limbs		*	
Autism		*		Renal agenesis/hypoplasia		*	
Choanal atresia		*		Spina bifida without anencephalus		*	
Cleft lip with and without cleft palate		6	23.55	Transposition of great arteries		*	
Cleft palate without cleft lip		*		Ventricular septal defect		12	47.1
Coarctation of aorta		*					
Congenital hip dislocation		*					
Diaphragmatic hernia		*					
Down syndrome		*					
Encephalocele		*					
Esophageal atresia/tracheoesophageal fistula		*					
Gastroschisis		*					
Hirschsprung's disease (congenital megacolon)		*					
Hydrocephalus without Spina Bifida		*					
Hypoplastic left heart syndrome		*					
Hypospadias		11	43.17				
Microcephalus		*					
Obstructive genitourinary defect		7	27.47				

* indicates < 5 in number occurred.

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

Data compiled on 9/7/2012 1:23:53 PM

County	Live Births			County	Live Births		
Defect		Total	Rate	Defect		Total	Rate
SPENCER	985			STARKE	1413		
All Defects		27	274.11	All Defects		30	212.31
Atrial septal defect		*		Aortic valve stenosis		*	
Atrioventricular septal defect		*		Atrial septal defect		*	
Autism		*		Autism		*	
Congenital hip dislocation		*		Cleft lip with and without cleft palate		*	
Diaphragmatic hernia		*		Encephalocele		*	
Down syndrome		*		Fetus or newborn affected by maternal alcohol use		*	
Encephalocele		*		Hypoplastic left heart syndrome		*	
Epispadias		*		Hypospadias		6	42.46
Hydrocephalus without Spina Bifida		*		Microcephalus		*	
Hypospadias		*		Obstructive genitourinary defect		*	
Obstructive genitourinary defect		*		Patent ductus arteriosus		*	
Patent ductus arteriosus		*		Pyloric stenosis		*	
Pulmonary valve atresia and stenosis		*		Spina bifida without anencephalus		*	
Pyloric stenosis		*		Tetralogy of fallot		*	
Reduction deformity, upper limbs		*		Trisomy 18 (Edwards syndrome)		*	
Ventricular septal defect		*		Ventricular septal defect		*	

* indicates < 5 in number occurred.

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

Data compiled on 9/7/2012 1:23:53 PM

County	Live Births			County	Live Births		
Defect		Total	Rate	Defect		Total	Rate
STEUBEN	1825			STEUBEN	1825		
All Defects		64	350.68	Reduction deformity, lower limbs		*	
Aortic valve stenosis		*		Spina bifida without anencephalus		*	
Atrial septal defect		12	65.75	Transposition of great arteries		*	
Atrioventricular septal defect		*		Ventricular septal defect	15		82.19
Autism		*					
Cleft lip with and without cleft palate		*					
Cleft palate without cleft lip		*					
Coarctation of aorta		*					
Congenital hip dislocation		*					
Diaphragmatic hernia		*					
Down syndrome		*					
Esophageal atresia/tracheoesophageal fistula		*					
Fetus or newborn affected by maternal alcohol use		*					
Hydrocephalus without Spina Bifida		*					
Hypospadias		11	60.27				
Obstructive genitourinary defect		*					
Patent ductus arteriosus		*					
Pulmonary valve atresia and stenosis		*					
Pyloric stenosis		10	54.79				
Rectal and large intestinal atresia/stenosis		*					

* indicates < 5 in number occurred.

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County	Live Births			County	Live Births		
Defect		Total	Rate	Defect		Total	Rate
SULLIVAN	984			SWITZERLAND	571		
All Defects		26	264.23	All Defects		*	
Aortic valve stenosis		*		Atrial septal defect		*	
Atrial septal defect		6	60.98	Down syndrome		*	
Autism		*		Hypospadias		*	
Cleft lip with and without cleft palate		*		Ventricular septal defect		*	
Cleft palate without cleft lip		*					
Down syndrome		*					
Gastroschisis		*					
Hypoplastic left heart syndrome		*					
Hypospadias		*					
Microcephalus		*					
Obstructive genitourinary defect		*					
Patent ductus arteriosus		*					
Pulmonary valve atresia and stenosis		*					
Rectal and large intestinal atresia/stenosis		*					
Reduction deformity, upper limbs		*					
Renal agenesis/hypoplasia		*					
Spina bifida without anencephalus		*					
Total anomalous pulmonary venous connection		*					
Ventricular septal defect		*					

* indicates < 5 in number occurred.

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

Data compiled on 9/7/2012 1:23:53 PM

County	Live Births			County	Live Births		
Defect		Total	Rate	Defect		Total	Rate
TIPPECANOE	10828			TIPPECANOE	10828		
All Defects		305	281.68	Hydrocephalus without Spina Bifida	6		5.54
Anotia/microtia		*		Hypoplastic left heart syndrome	*		
Aortic valve stenosis		*		Hypospadias	35		32.32
Atrial septal defect		41	37.86	Microcephalus	8		7.39
Atrioventricular septal defect		6	5.54	Obstructive genitourinary defect	41		37.86
Autism		23	21.24	Patent ductus arteriosus	21		19.39
Biliary atresia		*		Pulmonary valve atresia and stenosis	12		11.08
Choanal atresia		*		Pyloric stenosis	18		16.62
Cleft lip with and without cleft palate	*			Rectal and large intestinal atresia/stenosis	7		6.46
Cleft palate without cleft lip		*		Reduction deformity, upper limbs	*		
Coarctation of aorta		9	8.31	Renal agenesis/hypoplasia	*		
Common truncus		*		Spina bifida without anencephalus	*		
Congenital cataract		6	5.54	Total anomalous pulmonary venous connection	*		
Congenital hip dislocation		12	11.08	Transposition of great arteries	*		
Diaphragmatic hernia		*		Trisomy 13 (Patau syndrome)	*		
Down syndrome		14	12.93	Ventricular septal defect	70		64.65
Epispadias		*					
Esophageal atresia/tracheoesophageal fistula		*					
Fetus or newborn affected by maternal alcohol use		*					
Gastroschisis		6	5.54				
Hirschsprung's disease (congenital megacolon)		*					

* indicates < 5 in number occurred.

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Data compiled on 9/7/2012 1:23:53 PM

County Defect	Live Births	Total	Rate	County Defect	Live Births	Total	Rate
TIPTON	787						
All Defects		22	279.54				
Anotia/microtia		*					
Atrial septal defect		*					
Autism		*					
Cleft lip with and without cleft palate		*					
Coarctation of aorta		*					
Congenital hip dislocation		*					
Down syndrome		*					
Gastroschisis		*					
Hypospadias		*					
Obstructive genitourinary defect		*					
Pulmonary valve atresia and stenosis		*					
Pyloric stenosis		*					
Reduction deformity, upper limbs		*					
Spina bifida without anencephalus		*					
Ventricular septal defect		*					
UNION	247						
All Defects		*					
Autism		*					

* indicates < 5 in number occurred.

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

Data compiled on 9/7/2012 1:23:53 PM

County	Live Births			County	Live Births		
Defect		Total	Rate	Defect		Total	Rate
VANDERBURGH	11659			VANDERBURGH	11659		
All Defects		271	232.44	Hirschsprung's disease (congenital megacolon)	*		
Anencephalus		*		Hydrocephalus without Spina Bifida	7	6	
Anophthalmia/microphthalmia		*		Hypoplastic left heart syndrome	*		
Anotia/microtia		*		Hypospadias	40	34.31	
Atrial septal defect		30	25.73	Microcephalus	*		
Atrioventricular septal defect		8	6.86	Obstructive genitourinary defect	31	26.59	
Autism		*		Patent ductus arteriosus	20	17.15	
Biliary atresia		*		Pulmonary valve atresia and stenosis	12	10.29	
Bladder exstrophy		*		Pyloric stenosis	45	38.6	
Cleft lip with and without cleft palate	7		6	Rectal and large intestinal atresia/stenosis	*		
Cleft palate without cleft lip	8		6.86	Reduction deformity, upper limbs	*		
Coarctation of aorta	8		6.86	Renal agenesis/hypoplasia	*		
Congenital hip dislocation	*			Spina bifida without anencephalus	6	5.15	
Diaphragmatic hernia	*			Tetralogy of fallot	6	5.15	
Down syndrome	6		5.15	Total anomalous pulmonary venous connection	*		
Ebstein anomaly	*			Transposition of great arteries	11	9.43	
Encephalocele	*			Tricuspid valve atresia and stenosis	*		
Epispadias	*			Trisomy 18 (Edwards syndrome)	*		
Esophageal atresia/tracheoesophageal fistula	*			Ventricular septal defect	52	44.6	
Fetus or newborn affected by maternal alcohol use	*						
Gastroschisis	*						

* indicates < 5 in number occurred.

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Data compiled on 9/7/2012 1:23:53 PM

County Defect	Live Births	Total	Rate	County Defect	Live Births	Total	Rate
VERMILLION	762						
All Defects		19	249.34				
Atrial septal defect		*					
Cleft lip with and without cleft palate		*					
Cleft palate without cleft lip		*					
Gastroschisis		*					
Hypospadias		*					
Microcephalus		*					
Obstructive genitourinary defect		*					
Patent ductus arteriosus		*					
Pyloric stenosis		*					
Reduction deformity, upper limbs		*					
Tetralogy of fallot		*					
Ventricular septal defect		*					

* indicates < 5 in number occurred.

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

Data compiled on 9/7/2012 1:23:53 PM

County	Live Births			County	Live Births		
Defect		Total	Rate	Defect		Total	Rate
VIGO	6236			VIGO	6236		
All Defects		167	267.8	Microcephalus		10	16.04
Aortic valve stenosis		*		Obstructive genitourinary defect		10	16.04
Atrial septal defect		15	24.05	Patent ductus arteriosus		8	12.83
Atrioventricular septal defect		*		Pulmonary valve atresia and stenosis		7	11.23
Autism		21	33.68	Pyloric stenosis		19	30.47
Bladder exstrophy		*		Rectal and large intestinal atresia/stenosis		6	9.62
Cleft lip with and without cleft palate	6		9.62	Reduction deformity, lower limbs		*	
Cleft palate without cleft lip		*		Reduction deformity, upper limbs		6	9.62
Coarctation of aorta		*		Renal agenesis/hypoplasia		*	
Congenital cataract		*		Spina bifida without anencephalus		*	
Congenital hip dislocation		*		Tetralogy of fallot		*	
Diaphragmatic hernia		*		Transposition of great arteries		*	
Down syndrome		9	14.43	Ventricular septal defect		26	41.69
Ebstein anomaly		*					
Epispadias		*					
Esophageal atresia/tracheoesophageal fistula		*					
Fetus or newborn affected by maternal alcohol use		*					
Hirschsprung's disease (congenital megacolon)		*					
Hydrocephalus without Spina Bifida	7		11.23				
Hypoplastic left heart syndrome		*					
Hypospadias		11	17.64				

* indicates < 5 in number occurred.

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

Data compiled on 9/7/2012 1:23:53 PM

County	Live Births			County	Live Births		
Defect		Total	Rate	Defect		Total	Rate
WABASH	1833			WARREN	446		
All Defects		63	343.7	All Defects		10	224.22
Atrial septal defect		11	60.01	Atrial septal defect		*	
Autism		*		Autism		*	
Choanal atresia		*		Congenital hip dislocation		*	
Cleft lip with and without cleft palate		*		Down syndrome		*	
Cleft palate without cleft lip		*		Hypospadias		*	
Congenital hip dislocation		*		Obstructive genitourinary defect		*	
Fetus or newborn affected by maternal alcohol use		*		Patent ductus arteriosus		*	
Hirschsprung's disease (congenital megacolon)		*		Pyloric stenosis		*	
Hypospadias		8	43.64	Spina bifida without anencephalus		*	
Microcephalus		*		Ventricular septal defect		*	
Obstructive genitourinary defect		*					
Patent ductus arteriosus		6	32.73				
Pulmonary valve atresia and stenosis		*					
Pyloric stenosis		9	49.1				
Renal agenesis/hypoplasia		*					
Spina bifida without anencephalus		*					
Tetralogy of fallot		*					
Transposition of great arteries		*					
Trisomy 18 (Edwards syndrome)		*					
Ventricular septal defect		9	49.1				

* indicates < 5 in number occurred.

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

Data compiled on 9/7/2012 1:23:53 PM

County	Live Births			County	Live Births		
Defect		Total	Rate	Defect		Total	Rate
WARRICK	3244			WASHINGTON	1469		
All Defects		73	225.03	All Defects		18	122.53
Anophthalmia/microphthalmia		*		Autism		*	
Atrial septal defect		*		Cleft lip with and without cleft palate		*	
Autism		*		Cleft palate without cleft lip		*	
Choanal atresia		*		Hypospadias		*	
Cleft lip with and without cleft palate		*		Obstructive genitourinary defect		*	
Cleft palate without cleft lip		*		Patent ductus arteriosus		*	
Coarctation of aorta		*		Rectal and large intestinal atresia/stenosis		*	
Congenital hip dislocation		*		Reduction deformity, upper limbs		*	
Down syndrome		*		Ventricular septal defect		6	40.84
Fetus or newborn affected by maternal alcohol use		*					
Gastroschisis		*					
Hypospadias		19	58.57				
Obstructive genitourinary defect		*					
Patent ductus arteriosus		*					
Pulmonary valve atresia and stenosis		*					
Pyloric stenosis		9	27.74				
Renal agenesis/hypoplasia		*					
Spina bifida without anencephalus		*					
Tetralogy of fallot		*					
Transposition of great arteries		*					
Ventricular septal defect		19	58.57				

* indicates < 5 in number occurred.

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

Data compiled on 9/7/2012 1:23:53 PM

County	Live Births			County	Live Births		
Defect		Total	Rate	Defect		Total	Rate
WAYNE	4094			WAYNE	4094		
All Defects		78	190.52	Transposition of great arteries		*	
Atrial septal defect		10	24.43	Trisomy 18 (Edwards syndrome)		*	
Atrioventricular septal defect		*		Ventricular septal defect		12	29.31
Cleft lip with and without cleft palate		*					
Cleft palate without cleft lip		*					
Coarctation of aorta		*					
Congenital hip dislocation		*					
Down syndrome		*					
Esophageal atresia/tracheoesophageal fistula		*					
Gastroschisis		*					
Hydrocephalus without Spina Bifida		*					
Hypoplastic left heart syndrome		*					
Hypospadias		8	19.54				
Microcephalus		*					
Obstructive genitourinary defect		6	14.66				
Patent ductus arteriosus		*					
Pulmonary valve atresia and stenosis		*					
Pyloric stenosis		10	24.43				
Reduction deformity, upper limbs		*					
Renal agenesis/hypoplasia		*					
Spina bifida without anencephalus		*					
Tetralogy of fallot		*					

* indicates < 5 in number occurred.

Note—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
WELLS	1603			WELLS	1603		
All Defects		63	393.01	Tetralogy of fallot		*	
Atrial septal defect		20	124.77	Transposition of great arteries		*	
Atrioventricular septal defect		*		Ventricular septal defect		19	118.53
Autism		*					
Choanal atresia		*		WHITE	1476		
Cleft lip with and without cleft palate		*		All Defects		45	304.88
Cleft palate without cleft lip		*		Atrial septal defect		*	
Coarctation of aorta		*		Atrioventricular septal defect		*	
Down syndrome		*		Autism		*	
Epispadias		*		Cleft palate without cleft lip		*	
Fetus or newborn affected by maternal alcohol use		*		Coarctation of aorta		*	
Hirschsprung's disease (congenital megacolon)		*		Congenital hip dislocation		*	
Hydrocephalus without Spina Bifida		*		Down syndrome		*	
Hypospadias		12	74.86	Hydrocephalus without Spina Bifida		*	
Microcephalus		*		Hypospadias		*	
Obstructive genitourinary defect		*		Microcephalus		*	
Patent ductus arteriosus		6	37.43	Obstructive genitourinary defect		*	
Pulmonary valve atresia and stenosis		*		Patent ductus arteriosus		*	
Pyloric stenosis		*		Pulmonary valve atresia and stenosis		*	
Rectal and large intestinal atresia/stenosis		*		Pyloric stenosis		7	47.43
				Reduction deformity, lower limbs		*	
				Ventricular septal defect		*	

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County	Live Births			County	Live Births		
Defect		Total	Rate	Defect		Total	Rate
WHITLEY	1950						
All Defects		61	312.82				
Anencephalus		*					
Atrial septal defect		15	76.92				
Atrioventricular septal defect		*					
Autism		9	46.15				
Cleft palate without cleft lip		*					
Coarctation of aorta		*					
Down syndrome		*					
Epispadias		*					
Hydrocephalus without Spina Bifida		*					
Hypospadias		7	35.9				
Obstructive genitourinary defect		*					
Patent ductus arteriosus		*					
Pulmonary valve atresia and stenosis		*					
Pyloric stenosis		*					
Rectal and large intestinal atresia/stenosis		*					
Transposition of great arteries		*					
Ventricular septal defect		12	61.54				

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County Defect	Live Births	Total	Rate	County Defect	Live Births	Total	Rate
UNKNOWN	21045			UNKNOWN	21045		
All Defects		291	138.28	Hypospadias		38	18.06
Anophthalmia/microphthalmia		*		Microcephalus		12	5.7
Aortic valve stenosis		*		Obstructive genitourinary defect		26	12.35
Atrial septal defect		37	17.58	Patent ductus arteriosus		20	9.5
Atrioventricular septal defect		*		Pulmonary valve atresia and stenosis		9	4.28
Autism		19	9.03	Pyloric stenosis		36	17.11
Choanal atresia		*		Rectal and large intestinal atresia/stenosis		9	4.28
Cleft lip with and without cleft palate	9		4.28	Reduction deformity, lower limbs		*	
Cleft palate without cleft lip	6		2.85	Reduction deformity, upper limbs		*	
Coarctation of aorta	12		5.7	Renal agenesis/hypoplasia		*	
Congenital hip dislocation	8		3.8	Spina bifida without anencephalus		*	
Diaphragmatic hernia		*		Tetralogy of fallot		*	
Down syndrome	11		5.23	Transposition of great arteries	8		3.8
Ebstein anomaly		*		Tricuspid valve atresia and stenosis	*		
Encephalocele		*		Trisomy 13 (Patau syndrome)	*		
Epispadias		*		Trisomy 18 (Edwards syndrome)	*		
Esophageal atresia/tracheoesophageal fistula		*		Ventricular septal defect	43		20.43
Fetus or newborn affected by maternal alcohol use		*		All Defects	10453		
Hirschsprung's disease (congenital megacolon)		*					
Hydrocephalus without Spina Bifida	7		3.33				
Hypoplastic left heart syndrome	6		2.85				

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