

**Web Table 1.** British Pediatric Association codes utilized for each heart defect phenotype

<b>Heart Defect Phenotype</b>	<b>British Pediatric Association Code(s)</b>
Any CHD	745.000–745.490, 745.510–745.900, 746.000–746.995, 747.100–747.320, 747.330–747.490
ASD	745.510, 745.520, 745.580, 745.590
Complete AVCD	745.630
CTD	
Tetralogy of Fallot	745.200–745.210
Truncus arteriosus	745.000
LVOT	746.300, 746.700, 747.100–747.190
AS	746.300
COA	747.100–747.190
HLHS	746.700
RVOT	746.000–746.010, 746.100, 746.200
Ebstein malformation	746.200
PVA	746.000
PVS	746.010
TVA	746.100
Single ventricle	745.300
TAVPR	747.420
VSD	745.400–745.490

Abbreviations: AS, aortic stenosis; ASD, atrial septal defect; AVCD, atrioventricular canal defect; CHD, congenital heart disease; COA, coarctation of the aorta; CTD, conotruncal heart defect; HLHS, hypoplastic left heart syndrome; LVOT, left ventricular outflow tract; PVA, pulmonary valve atresia; PVS, pulmonary valve stenosis; RVOT, right ventricular outflow tract; TAPVR, total anomalous pulmonary venous return; TVA, tricuspid atresia and stenosis valve; VSD, ventricular septal defect.

**Web Table 2.** Adjusted prevalence ratios for any maternal diabetes and CHDs, further adjusted for alcohol use (1999–2004) and body mass index (2005–2009), Texas

	Any Diabetes			
	Further Adjusted for Alcohol Use <sup>a</sup>		Further Adjusted for Maternal BMI <sup>b</sup>	
	PR	95% CI	PR	95% CI
Live births	1.00		1.00	
Any CHD	2.08	1.96, 2.21	1.75	1.64, 1.87
ASD	1.99	1.81, 2.19	1.61	1.49, 1.75
Complete AVCD	2.70	2.06, 3.54	2.10	1.48, 2.99
CTD				
Tetralogy of Fallot	1.45	1.05, 2.00	1.44	0.92, 2.24
Truncus arteriosus	6.93	4.68, 10.26	4.03	2.12, 7.66
LVOT	1.99	1.59, 2.49	2.23	1.84, 2.70
AS	2.42	1.55, 3.77	1.18	1.55, 3.06
COA	1.88	1.45, 2.42	2.52	1.99, 3.20
HLHS	1.77	1.24, 2.53	1.28	0.77, 2.12
RVOT	2.03	1.73, 2.39	1.77	1.47, 2.14
Ebstein malformation	1.41	0.75, 2.64	2.12	0.77, 5.84
PVA	2.93	2.08, 4.13	2.62	1.61, 4.25
PVS	1.88	1.51, 2.34	1.55	1.25, 1.92
TVA	1.79	1.04, 3.10	2.62	1.82, 3.78
Single ventricle	5.39	3.96, 7.35	1.79	1.04, 3.10
TAVPR	1.46	0.86, 2.48	2.43	1.69, 3.49
VSD	1.99	1.80, 2.19	1.64	1.50, 1.80

Abbreviations: AS, aortic stenosis; ASD, atrial septal defect; AVCD, atrioventricular canal defect; BMI, body mass index; CHD, congenital heart disease; CI, confidence interval; COA, coarctation of the aorta; CTD, conotruncal heart defect; HLHS, hypoplastic left heart syndrome; LVOT, left ventricular outflow tract; PR, prevalence ratio; PVA, pulmonary valve atresia; PVS, pulmonary valve stenosis; RVOT, right ventricular outflow tract; TAPVR, total anomalous pulmonary venous return; TVA, tricuspid atresia and stenosis valve; VSD, ventricular septal defect.

<sup>a</sup> Adjusted for alcohol use (only available from 1999–2004), maternal age, race/ethnicity, any hypertension, previous live births, and smoking.

<sup>b</sup> Adjusted for body mass index (only available from 2005–2009), maternal age, race/ethnicity, any hypertension, previous live births, and smoking.

**Web Table 3.** Prevalence and prevalence ratios for any maternal diabetes and isolated, simple CHDs<sup>a</sup>, Texas, 1999–2009

	Any Diabetes 1999–2009							
	Yes		No		Crude		Adjusted <sup>b</sup>	
	N	Prev. <sup>c</sup>	N	Prev. <sup>c</sup>	PR	95% CI	PR	95% CI
Live births	148,869	1.00	4,059,027	1.00	1.00		1.00	
Any CHD	1,914	128.7	25,523	62.9	2.04	1.95, 2.14	1.84	1.74, 1.96
ASD	460	30.9	6,566	16.2	1.91	1.74, 2.10	1.71	1.53, 1.92
Complete AVCD	3	0.2	45	0.1	— <sup>d</sup>		— <sup>d</sup>	
CTD								
Tetralogy of Fallot	9	0.6	252	0.6	0.97	0.50, 1.89	0.76	0.37, 1.57
Truncus arteriosus	0	0.0	11	0.0	— <sup>d</sup>		— <sup>d</sup>	
LVOT	30	2.0	422	1.0	1.94	1.34, 2.81	1.94	1.34, 2.81
AS	12	0.8	174	0.4	1.88	1.05, 3.38	1.82	0.95, 3.50
COA	16	1.1	187	0.5	2.33	1.40, 3.89	2.24	1.40, 3.60
HLHS	2	0.1	61	0.2	— <sup>d</sup>		— <sup>d</sup>	
RVOT	50	3.4	845	2.1	1.61	1.21, 2.15	1.48	0.98, 2.23
Ebstein malformation	5	0.3	42	0.1	3.25	1.28, 8.20	2.37	0.87, 6.49
PVA	1	0.1	12	0.0	— <sup>d</sup>		— <sup>d</sup>	
PVS	43	2.9	774	1.9	1.51	1.11, 2.06	1.40	0.89, 2.20
TVA	1	0.0	17	0.2	— <sup>d</sup>		— <sup>d</sup>	
Single ventricle	0	0.0	2	0.0	— <sup>d</sup>		— <sup>d</sup>	
TAVPR	2	0.1	49	0.1	— <sup>d</sup>		— <sup>d</sup>	
VSD	647	43.5	10,593	26.1	1.67	1.54, 1.80	1.49	1.35, 1.64

Abbreviations: AS, aortic stenosis; ASD, atrial septal defect; AVCD, atrioventricular canal defect; CHD, congenital heart disease; CI, confidence interval; COA, coarctation of the aorta; CTD, conotruncal heart defect; HLHS, hypoplastic left heart syndrome; LVOT, left ventricular outflow tract; PR, prevalence ratio; PVA, pulmonary valve atresia; PVS, pulmonary valve stenosis; RVOT, right ventricular outflow tract; TAPVR, total anomalous pulmonary venous return; TVA, tricuspid atresia and stenosis valve; VSD, ventricular septal defect.

<sup>a</sup> Some cases may be included in more than one phenotype because they were diagnosed with >1 of the 14 phenotypes.

<sup>b</sup> Adjusted for maternal age, race/ethnicity, any hypertension, previous live births, and smoking.

<sup>c</sup> Prevalence per 10,000 live births.

<sup>d</sup> PRs and 95% CIs not calculated due to <5 exposed cases.

**Web Figure 1.** Forest plot of relative risks examining the association of pregestational diabetes and any CHD from a random-effects meta-analysis.

