

Supplemental material

Table S1. International Classification of Diseases version 10 (ICD-10) mapping to subcategories of congenital heart disease in the Global Burden of Disease 2017 database

<b>ICD-10 code</b>	<b>ICD 10 name</b>
<b>a) Single ventricle and single ventricle pathway defects</b>	
Q20.4	Double inlet ventricle
Q22.4	Congenital tricuspid stenosis
Q22.6	Hypoplastic right heart syndrome
Q23.4	Hypoplastic left heart syndrome
<b>b) Severe congenital heart defects excluding single ventricle and single ventricle pathway defects</b>	
Q20.0	Common arterial trunk
Q20.1	Double outlet right ventricle
Q20.2	Double outlet left ventricle
Q20.3	Discordant ventriculoarterial connection
Q21.3	Tetralogy of Fallot
Q22.0	Pulmonary valve atresia
Q23.0	Congenital stenosis of aortic valve
Q23.1	Congenital insufficiency of aortic valve
Q26.2	Total anomalous pulmonary venous connection
<b>c) Critical malformations of great vessels, congenital valvular heart disease and patent ductus arteriosus</b>	
Q22.1	Congenital pulmonary valve stenosis
Q22.2	Congenital pulmonary valve insufficiency
Q22.3	Other congenital malformations of pulmonary valve
Q22.5	Ebstein's anomaly
Q22.8	Other congenital malformations of tricuspid valve
Q22.9	Congenital malformation of tricuspid valve, unspecified
Q23.2	Congenital mitral stenosis
Q23.3	Congenital mitral insufficiency

Q23.8	Other congenital malformations of aortic and mitral valves
Q23.9	Congenital malformation of aortic and mitral valves, unspecified
Q25.0	Patent ductus arteriosus
Q25.1	Coarctation of aorta
Q25.2	Atresia of aorta
Q25.3	Supravalvular aortic stenosis
Q25.4	Other congenital malformations of aorta
Q25.5	Atresia of pulmonary artery
<b>d) Ventricular septal defects and atrial septal defects</b>	
Q21.0	Ventricular septal defect
Q21.1	Atrial septal defect
Q21.2	Atrioventricular septal defect
Q21.4	Aortopulmonary septal defect
Q21.8	Other congenital malformations of cardiac septa
Q21.9	Congenital malformation of cardiac septum, unspecified
Q26.3	Partial anomalous pulmonary venous connection
<b>e) Other congenital cardiovascular anomalies</b>	
Q20.5	Discordant atrioventricular connection
Q20.6	Isomerism of atrial appendages
Q20.8	Other congenital malformations of cardiac chambers and connections
Q20.9	Congenital malformation of cardiac chambers and connections, unspecified
Q24	Other congenital malformations of heart
Q24.0	Dextrocardia
Q24.1	Levocardia
Q24.2	Cor triatriatum
Q24.3	Pulmonary infundibular stenosis
Q24.4	Congenital subaortic stenosis
Q24.5	Malformation of coronary vessels

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Q24.6	Congenital heart block
Q24.8	Other specified congenital malformations of heart
Q24.9	Congenital malformation of heart, unspecified
Q25.6	Stenosis of pulmonary artery
Q25.7	Other congenital malformations of pulmonary artery
Q25.71	Coarctation of pulmonary artery
Q25.72	Congenital pulmonary arteriovenous malformation
Q25.79	Other congenital malformations of pulmonary artery
Q25.8	Other congenital malformations of other great arteries
Q25.9	Congenital malformation of great arteries, unspecified
Q26.0	Congenital stenosis of vena cava
Q26.1	Persistent left superior vena cava
Q26.4	Anomalous pulmonary venous connection, unspecified
Q26.5	Anomalous portal venous connection
Q26.6	Portal vein-hepatic artery fistula
Q26.8	Other congenital malformations of great veins
Q26.9	Congenital malformation of great vein, unspecified
Q27	Other congenital malformations of peripheral vascular system
Q27.1	Congenital renal artery stenosis
Q27.2	Other congenital malformations of renal artery
Q27.3	Arteriovenous malformation (peripheral)
Q27.30	Arteriovenous malformation, site unspecified
Q27.31	Arteriovenous malformation of vessel of upper limb
Q27.32	Arteriovenous malformation of vessel of lower limb
Q27.33	Arteriovenous malformation of digestive system vessel
Q27.34	Arteriovenous malformation of renal vessel
Q27.39	Arteriovenous malformation, other site

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Q27.4	Congenital phlebectasia
Q27.8	Other specified congenital malformations of peripheral vascular system
Q27.9	Congenital malformation of peripheral vascular system, unspecified
Q28	Other congenital malformations of circulatory system
Q28.0	Arteriovenous malformation of precerebral vessels
Q28.1	Other malformations of precerebral vessels
Q28.2	Arteriovenous malformation of cerebral vessels
Q28.3	Other malformations of cerebral vessels
Q28.8	Other specified congenital malformations of circulatory system
Q28.9	Congenital malformation of circulatory system, unspecified

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ICD-10: International Classification of Diseases version 10

References in supplement

1. Zimmerman MS, Smith AGC, Sable CA, et al. Global, regional, and national burden of congenital heart disease, 1990–2017: a systematic analysis for the Global Burden of Disease Study 2017. *The Lancet Child & Adolescent Health*. 2020;4(3):185-200.