

**Table S1** – Congenital heart disease severity groups with corresponding ICD-10 codes. Admissions with only non-specific congenital heart disease diagnoses were excluded in the query.

<b>Simple</b>	
Atrial septal defect (small)	Q21.1
Ventricular septal defect (small)	Q21.0
<b>Moderate</b>	
Anomalous coronary	Q24.5
Anomalous left coronary artery from the pulmonary artery	Q24.5
Anomalous pulmonary venous return (partial or total)	Q26.2, Q26.3, Q26.4
Aortic stenosis	Q23.0
Atrio-ventricular septal defect	Q21.2
Coarctation of the aorta	Q25.1, Q25.42
Cor triatriatum	Q24.2
Double aortic arch	Q25.45
Ebstein anomaly	Q22.5
Mitral stenosis	Q23.2
Patent ductus arteriosus (moderate+)	Q21.4, Q25.0
Peripheral pulmonary stenosis	Q25.6, Q25.7, Q25.71
Pulmonary regurgitation (moderate+)	Q22.2
Pulmonary stenosis (moderate+)	Q22.1
Sinus of Valsalva fistula	Q25.4
Subaortic stenosis (not hypertrophic cardiomyopathy)	Q24.4
Subpulmonary stenosis	Q24.3
Supravalvar aortic stenosis	Q25.3
Tetralogy of Fallot (repaired)	Q21.3
<b>Severe</b>	
Criss cross heart/heterotaxy	Q20.6
Double outlet left ventricle	Q20.2
Double outlet right ventricle	Q20.1

Eisenmenger syndrome	I27.83, I27.2, I27.20, I27.21, I27.22, I27.23, I27.81
Interrupted aortic arch	Q25.21
Pulmonary atresia	Q22.0, Q25.5
Single ventricle (double inlet left ventricle, hypoplastic left heart syndrome, tricuspid atresia, etc)	Q20.4, Q22.4, Q22.6, Q23.4, Q25.2, Q25.29, Q25.41
Transposition of the great arteries (any form)	Q20.3, Q20.5
Truncus arteriosus	Q20.0
<b>Non-specific congenital heart disease</b>	Q20.8, Q20.9, Q21.8, Q21.9, Q22.3, Q22.8, Q22.9, Q23.1, Q23.3, Q23.8, Q23.9, Q24.0, Q24.1, Q24.6, Q24.8, Q24.9, Q25.40, Q25.43, Q25.44, Q25.46, Q25.47, Q25.48, Q25.49, Q25.72, Q25.79, Q25.8, Q25.9, Q26.0, Q26.1, Q26.5, Q26.6, Q26.8, Q26.9

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**Table S2** – ICD-10 codes for vaginal delivery and caesarian sections and well as obstetric and neonatal complications.

<b>Delivery method</b>	
Vaginal delivery	Z37.0, Z37.2, Z37.5, Z37.50, Z37.51, Z37.52, Z37.53, Z37.54, Z37.59, 10D07Z3, 0W82XZZ, 10D07Z4, 10D07Z5, 10S07ZZ, 10D07Z6, 10D07Z8, 10900ZC, 10903ZC, 10904ZC, 10907ZC, 10908ZC, 0U7C7ZZ, 10D07Z7, 10J07ZZ, 3E030VJ, 3E033VJ, 3E040VJ, 3E043VJ, 3E050VJ, 3E053VJ, 3E060VJ, 3E063VJ, 3E0DXGC, 3E0P3VZ, 3E0P7VZ, 10E0XZZ, 0W8NXZZ, 10907ZA, 10908ZA, 10A07ZZ, 10A08ZZ, 10S0XZZ, 0Q820ZZ, 0Q823ZZ, 0Q824ZZ, 0Q830ZZ, 0Q833ZZ, 0Q834ZZ
Caesarian section	10D00Z0, 10D00Z1, 10D00Z2, 10T20ZZ, 10T23ZZ, 10T24ZZ
<b>Obstetric complications</b>	
Pre-eclampsia	O16.1, O16.2, O16.3, O16.5, O16.9, O16.4, O15.2, O15.02, O15.03, O15.1, O15.9, O14.12, O14.13, O14.15, O14.22, O14.23, O14.25, O14.14, O14.24, O14.10, O14.20, O14.05, O14.95, O14.02, O14.03, O14.92, O14.93, O14.05, O14.95, O14.04, O14.94, O14.00, O14.90, O13.1, O013.2, O13.3, O13.5, O13.4, O13.9
Embolic events	I61.9, I63.22, I63.139, I63.239, I63.019, I63.119, I63.219, I63.59, I63.20, I63.30, I63.40, I63.50, G45.0, G45.8, G45.1, G45.9, I67.848, I67.89, I26.90, I26.99, T80.0XXA, T82.817A, T82.818A, I26.92, I74.01, I74.09, I74.11, I74.2, I74.3, I74.5, I74.8, I74.9, I75.019, I75.029, I75.81, I75.89, O88.83, O88.811, O88.812, O88.813, O88.82, O88.83, O88.819, O88.33, O88.311, O88.312, O88.313, O88.33, O88.319, O88.23O88.211, O88.212, O88.213, O88.22, O88.23, O88.219, O88.13, O88.111, O88.112, O88.113, O88.12, O88.13, O88.119, O88.03, O88.011, O88.012, O88.013, O88.02, O88.03, O88.011, O88.012, O88.013, O88.019
Acute respiratory distress syndrome/pulmonary edema	J95.821, J96.00, J95.2, J95.822, J96.20, J81.0

<b>Delivery-related complications</b>	
Preterm delivery	O60.1, O60.10, O60.10X0, O60.10X1, O60.10X2, O60.10X3, O60.10X4, O60.10X5, O60.10X9, O60.12X0, O60.12X1, O60.12X2, O60.12X3, O60.12X4, O60.12X5, O60.12X9, O60.13X0, O60.13X1, O60.13X2, O60.13X3, O60.13X4, O60.13X5, O60.13X9, O60.14X0, O60.14X1, O60.14X2, O60.14X3, O60.14X4, O60.14X5, O60.14X9
Intrauterine growth restriction	O36.5190, O36.5990, O36.5110, O36.5120, O36.5130, O36.5910, O36.5920, O36.5930
Non-cardiac birth defects	O35.0, O35.0XX0, O35.0XX1, O35.0XX2, O35.0XX3, O35.0XX4, O35.0XX5, O35.0XX9, O35.1, O35.1XX0, O35.1XX1, O35.1XX2, O35.1XX3, O35.1XX4, O35.1XX5, O35.1XX9, O35.6, O35.6XX0, O35.6XX1, O35.6XX2, O35.6XX3, O35.6XX4, O35.6XX5, O35.6XX9, O35.7, O35.7XX0, O35.7XX1, O35.7XX2, O35.7XX3, O35.7XX4, O35.7XX5, O35.7XX9, O35.8, O35.8XX0, O35.8XX1, O35.8XX2, O35.8XX3, O35.8XX4, O35.8XX5, O35.8XX9
Fetal demise	O36.4XX0, Z37.1, Z37.4, Z37.7

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**Table S3** – ICD-10 codes for cardiopulmonary and other system pregnancy complications.

<b>Cardiopulmonary complications</b>	
Hypertension (non-gestational)	O11.5, O11.1, O11.2, O11.3, O11.4, O11.9, O10.13, O10.23, O10.33, O10.111, O10.112, O10.133, O10.211, O10.212, O10.213, O10.311, O10.312, O10.313, O10.12, O10.22, O10.32, O10.119, O10.219, O10.319, O10.43, O10.411, O10.412, O10.413, O10.43, O10.42, O10.419, O10.03, O10.93, O10.011, O10.012, O10.013, O10.911, O10.912, O10.913, O10.02, O10.92, O10.019, O10.919
Dysrhythmia	I47.1, I47.2, I48.91, I48.92, I49.01, I49.02, I46.9, I49.5
Heart failure	I50.814, I50.9, I50.1, I50.20, I50.21, I50.22, I50.23, I50.30, I50.31, I50.32, I50.33, I50.40, I50.41, I50.42, I50.43, I50.810, I50.811, I50.812, I50.813, I50.82, I50.83, I50.84, I50.89, I50.9
Pulmonary hypertension	I27.2, I27.20, I27.21, I27.22, I27.23, I27.81, I27.83
<b>Other system complications</b>	
Diabetes (non-gestational)	O99.810, O24.419, O24.425, O24.429, O99.814, O24.415, O24.419, O24.435, O24.439, O99.815, O24.319, O24.32, O24.911, O24.912, O24.913, O24.92, O24.93
Hypothyroidism	O99.280, O99.281, O99.282, O99.283, O99.284, O90.5, O99.285
Hemorrhage	O44.00, O44.20, O44.40, O44.01, O44.02, O44.03, O44.21, O44.22, O44.23, O44.41, O44.42, O44.43, O44.10, O44.30, O44.50, O44.11, O44.12, O44.13, O44.31, O44.32, O44.33, O44.51, O44.52, O44.53, O45.8X9, O45.8X1, O45.8X2, O45.8X3, O45.91, O45.92, O45.93, O46.009, O46.019, O46.029, O46.099, O45.001, O45.002, O45.003, O45.001, O45.012, O45.013, O45.021, O45.022, O45.023, O45.091, O45.092, O45.093, O46.001, O46.002, O46.003, O46.011, O46.012, O46.013, O46.021, O46.022, O46.023, O46.091, O46.092, O46.093, O67.0, O46.8X9, O46.8X1, O46.8X2, O46.8X3, O67.8, O46.90, O46.91, O46.92, O46.93, O67.9
Mental illness	O99.340, O99.341, O99.342, O99.343, O99.344, O90.6, O99.345
Drug abuse	O99.320, O99.321, O99.322, O99.323, O99.324, O99.325

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