Supplement 1: ICD-9 and ICD-10 diagnoses used to sort each severity category. Patient designated to the highest severity group based on all diagnoses listed at index visit.

| **Single Ventricle** | **Severe 2-Ventricle** | **Non-severe Heart Disease** | **Other** |
| --- | --- | --- | --- |
| Double Inlet Left Ventricle | Anomalous coronary artery communication | Aberrant left subclavian artery | Abnormal echocardiogram, unspecified |
| Hypoplastic Left Ventricle | Anomalous left coronary artery | Aortic valve insufficiency | Acute Rheumatic fever |
| Hypoplastic Right Ventricle | Anomalous pulmonary venous drainage, partial or total | Aortic valve stenosis, mild or unspecified | Attention Deficit Hyperactivity Disorder |
| S/p Fontan | Aortic rupture | Aortic valve stenosis, mild or unspecified | Anemia |
| S/p Glenn | Aortic valve replacement | Ascending aortic root dilation | Aneurysm |
| Single ventricle | Aortic valve stenosis, moderate or severe | Atrial septal defect | Aneurysm of atrial appendage |
| Tricuspid atresia | Aorto-left ventricular fistula | Bicuspid aortic valve | Asymptomatic Left Ventricular dysfunction |
|  | Atrioventricular septal defects, partial or total | Cardiomyopathy | Ataxia |
|  | Cleft mitral valve | Coronary artery abnormality, unspecified | Atrial enlargement |
|  | Coarctation | Coronary artery dilation | Atrial Ventricular Nodal Reentry Tachycardia |
|  | Common truncus | Coronary artery ectasia | Atrial Ventricular Reentry Tachycardia |
|  | Complete Atrioventircular canal | Cortriatriatum | Bradycardia |
|  | Conduits, valved or nonvalved | Dextrocardia | Cardiac mass |
|  | Congenital anomaly of aortic arch | Diastolic dysfunction | Cardiomegaly |
|  | Congestive heart failure | Dilated aortic root/valve | Chemotherapy |
|  | Coronary aneurysm | Dilated cardiomyopathy | Chest pain, noncardiac |
|  | Coronary artery fistula | Double arch | Chest pain, unspecified |
|  | Decreased cardiac function | Downs syndrome | Chest wall abnormality |
|  | Double chamber right ventricule | Hypertrophic cardiomyopathy | Chronic progressive external ophthalmoplegia |
|  | D-Transposition of the Great Arteries | Hypertrophic obstructive cardiomyopathy | Cobalamin C disease |
|  | Ebstein's anomaly | Left Ventricular dysfunction | Complete heart block |
|  | Eisenmenger syndrome | Left Ventricular noncompaction | Congenital anomaly of the heart |
|  | Endocardial cushion defect | Marfan's syndrome | Congenitally absent pericardium |
|  | Infundibular pulmonary stenosis | Membranous Ventricular septal defect | Connective tissue disorder |
|  | Infundibular right ventricular outflow obstruction | Mitral valve regurgitation | Costochondritis |
|  | Interrupted aortic arch | Myocarditis | Duchennes muscular dystrophy |
|  | Interrupted Inferior vena cava | Ostium primum | Dysplastic aortic Valve |
|  | Mitral atresia | Ostium secundum | Dysplastic mitral valve |
|  | Mitral valve replacement/prosthetic | Pacemaker | Ectopic atrial rhythm |
|  | Mitral valve stenosis | Patent Foramen Ovale | Ectopic lentis |
|  | PA stenosis | Pulmonary artery sling | Ehler's Danlos Syndrome |
|  | Partial anomalous pulmonary venous return | Pulmonary valve regurgitation | Eosinophila |
|  | Partial Aterioventicular canal | Pulmonary valve stenosis, unspecified | Family history of cardiac disorder |
|  | Patent Ductus Arterious (not closed) | S/p Atrial Septal Defect closure | Fatigue |
|  | Primum Atrial septal defect | S/p cardiac surgery unspecified | First Degree Atrioventricular block |
|  | Pulmonary atresia | Sinus of valsava aneurysm | Gaucher syndrome |
|  | Pulmonary hypertension | Supravalvar pulmonary stenosis | Gene mutation unspecified |
|  | Pulmonary valve atresia | Unspecified pulmonary valve abnormality | Goldenhar syndrome |
|  | Pulmonary valve regurgitation, moderate or severe | Vascular ring | History of Kawaski's disease |
|  | Pulmonary valve replaced | Ventricular septal defect | Human Immunodeficency Virus |
|  | Pulmonary valve stenosis, moderate or severe |  | Hyperlipidemia |
|  | Pulmonary vascular obstructive disease |  | Hypertension |
|  | Pulmonary vein stenosis |  | Hypoplasia of right lung |
|  | Scimitar syndrome |  | Innocent heart murmur |
|  | Sinus of valsalva aneurysm |  | Left ventricular hypertrophy |
|  | Sinus of valsalva fistula |  | Long QT syndrome |
|  | Subaortic membrane |  | Maternal Congenital heart disease |
|  | Subvalvar aortic stenosis |  | Mitochondrial disorder |
|  | Supravalvar aortic Stenosis |  | Mitral valve prolapse |
|  | Tetraology of Fallot |  | Multifocal atrial tachycardia |
|  | Total anomalous pulmonary venous return |  | Muscular dystrophy |
|  | Tricuspid atresia |  | Noonan syndrome |
|  | Truncus arterious |  | Osteogenesis imperfecta |
|  | Ventricular Septal Defect with sub-aortic Membrane |  | Obstructive sleep apnea |
|  |  |  | Other abnormal heart sounds |
|  |  |  | Palpitations |
|  |  |  | Pectus excavatum |
|  |  |  | Pentalogy of Cantrell with normal heart |
|  |  |  | Pericardial effusion |
|  |  |  | Pericarditis |
|  |  |  | Peripheral pulmonary artery stenosis |
|  |  |  | Persistent left SVC |
|  |  |  | Prader-Willi Syndrome |
|  |  |  | Premature atrial contractions |
|  |  |  | Premature ventricular contractions |
|  |  |  | Propionic acidemia |
|  |  |  | Rett syndrome |
|  |  |  | Rhabdomyoma of heart |
|  |  |  | Rheumatic carditis |
|  |  |  | Right bundle branch block |
|  |  |  | Right ventricular hypertrophy |
|  |  |  | Scoliosis |
|  |  |  | Screening for cardiovascular disease |
|  |  |  | Second degree Atrioventricular block |
|  |  |  | Sickle cell disease |
|  |  |  | Spinal muscular dystrophy |
|  |  |  | Superior vena cava stenosis |
|  |  |  | Supraventricular tachycardia |
|  |  |  | Syncope/collapse |
|  |  |  | Tall stature |
|  |  |  | Teratoma |
|  |  |  | Tricuspid valve prolapse |
|  |  |  | Tricuspid valve regurgitation |
|  |  |  | Tuberous sclerosis |
|  |  |  | Turner's syndrome |
|  |  |  | Undiagnosed cardiac murmur |
|  |  |  | Vascular ring |
|  |  |  | Vasovagal syncope |
|  |  |  | Ventricular tachycardia |
|  |  |  | Wolff-Parkinson-White syndrome |