

STS Congenital Heart Surgery Data Summary 1998-2002 Procedures Neonates (0 - 28 days)

Number of operations submitted, discharge mortality, and complexity information, by year

Year	Operations Submitted	Operations in Analysis*	Discharge Mortality # / Eligible	%	Mean Basic Complexity Score	Mean Basic Complexity Level
1998	640	507	65 / 378	17.2%	9.6	3.1
1999	681	531	44 / 387	11.4%	10.1	3.2
2000	861	707	52 / 562	9.3%	9.1	2.9
2001	1,201	1,031	96 / 841	11.4%	9.1	2.9
2002	1,249	992	93 / 815	11.4%	8.0	2.5
Total	4,632	3,768	350 / 2,983	11.7%	8.9	2.9

* Includes only operations classified as "CPB" or "No CPB, Cardiovascular". Mortality numbers in this report are based only operations in the analysis population.

Number of patients/operations submitted, discharge mortality, and complexity information, by age group

Age Group	# of patients	# of operations	Discharge Mortality # / Eligible	% of operations	Mean Basic Complexity Score	Mean Basic Complexity Level
Neonates (0-28 days)	3,278	3,768	350 / 2,983	11.7%	8.9	2.9

Primary diagnosis (N = 3,768), 25 Most Frequent

Diagnosis	Incidence	
	#	% of all
Patent ductus arteriosus	463	12.3
Hypoplastic left heart syndrome (HLHS)	440	11.7
[Missing diagnosis]	317	8.4
Coarctation of aorta	315	8.4
Miscellaneous, Other	276	7.3
TGA, NOS	204	5.4
Cardiac, Other	179	4.8
TGA, IVS	127	3.4
TOF	100	2.7
Pulmonary atresia, VSD (Including TOF, PA)	96	2.5
TGA, VSD	81	2.1
Truncus arteriosus	72	1.9
Pulmonary atresia, IVS	68	1.8
Interrupted aortic arch	67	1.8
Total anomalous pulmonary venous connection (TAPVC), Type 1 (Supracardiac)	63	1.7
AVC (AVSD), Complete CAVSD	62	1.6
Single ventricle, Tricuspid atresia	62	1.6
Pulmonary atresia	44	1.2
DORV, TGA type	37	1.0
Total anomalous pulmonary venous connection (TAPVC), Type 3 (Infracardiac)	36	1.0
VSD, Single	35	0.9
Single ventricle, DILV	32	0.8
DORV, NOS	27	0.7
Single ventricle, Unbalanced AV canal	27	0.7
Aortic arch hypoplasia	26	0.7

Primary procedure (N = 3,768), 25 Most Frequent

Procedure	Incidence		Discharge Mortality		Basic Complexity Score	Basic Complexity Level
	#	% of all	# / Eligible	%		
Norwood procedure	612	16.2	116 / 378	30.7%	14.5	4
PDA closure, Surgical	314	8.3	34 / 273	12.5%	3.0	1
Other procedure	312	8.3	30 / 255	11.8%		
[Missing procedure]	302	8.0	23 / 278	8.3%		
Arterial switch operation (ASO)	273	7.2	5 / 217	2.3%	10.0	4
Shunt, Systemic to pulmonary, Modified Blalock-Taussig shunt (MBTS)	243	6.4	18 / 210	8.6%	6.3	2
Delayed sternal closure	166	4.4	0 / 149	0.0%		
TAPVC repair	134	3.6	16 / 107	15.0%	9.0	3
Arterial switch operation (ASO) and VSD repair	122	3.2	8 / 94	8.5%	11.0	4
Mediastinal exploration	83	2.2	0 / 50	0.0%	1.5	1
Coarctation repair, End to end, Extended	77	2.0	1 / 65	1.5%	8.0	3
Shunt, Systemic to pulmonary, Central (From aorta or to main pulmonary artery)	65	1.7	7 / 59	11.9%	6.8	2
Interrupted aortic arch repair	64	1.7	3 / 48	6.3%	10.8	4
Coarctation repair, End to end	63	1.7	3 / 55	5.5%	6.0	2
Truncus arteriosus repair	59	1.6	3 / 37	8.1%	11.0	4
Shunt, Systemic to pulmonary, Other	56	1.5	5 / 55	9.1%		
Aortic arch repair	55	1.5	4 / 40	10.0%	7.0	2
PDA closure, NOS	53	1.4	7 / 42	16.7%		
RVOT procedure	50	1.3	7 / 37	18.9%	6.5	2
PA banding (PAB)	45	1.2	5 / 40	12.5%	6.0	2
Coarctation repair, NOS	36	1.0	1 / 30	3.3%		
VSD repair, Patch	35	0.9	2 / 27	7.4%	6.0	2
TOF repair, Ventriculotomy, Transannular patch	29	0.8	1 / 11	9.1%	8.0	3
TOF repair, NOS	26	0.7	1 / 19	5.3%		
Coarctation repair, Subclavian flap	24	0.6	3 / 24	12.5%	6.0	2

