

STS Congenital Heart Surgery Data Summary 1998-2002 Procedures All Patients

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	3,189	2,526	113 / 1,984	5.7%	7.5	2.5
1999	3,284	2,610	81 / 1,935	4.2%	7.7	2.5
2000	3,736	3,046	88 / 2,485	3.5%	7.3	2.4
2001	5,267	4,530	151 / 3,769	4.0%	7.1	2.3
2002	5,100	4,208	150 / 3,493	4.3%	6.9	2.2
Total	20,576	16,920	583 / 13,666	4.3%	7.2	2.4

* 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
Infants (29 days - 1 year)	4,870	5,429	142 / 4,350	3.3%	7.0	2.3
Other (1 year+)	7,059	7,712	91 / 6,333	1.4%	6.5	2.1

Primary diagnosis (N = 16,920), 25 Most Frequent

Diagnosis	Incidence	
	#	% of all
[Missing diagnosis]	1,626	9.6
Patent ductus arteriosus	1,101	6.5
VSD, Single	1,085	6.4
TOF	1,020	6.0
Miscellaneous, Other	965	5.7
ASD, Secundum	928	5.5
Hypoplastic left heart syndrome (HLHS)	841	5.0
Coarctation of aorta	740	4.4
AVC (AVSD), Complete CAVSD	582	3.4
Cardiac, Other	328	1.9
Aortic stenosis, Subvalvar	301	1.8
Pulmonary atresia, VSD (Including TOF, PA)	294	1.7
Single ventricle, Tricuspid atresia	293	1.7
TGA, NOS	284	1.7
Arrhythmia	252	1.5
AVC (AVSD), Partial (Incomplete) (PAVSD) (ASD, Primum)	242	1.4
VSD, NOS	236	1.4
Aortic insufficiency	235	1.4
Mitral regurgitation	221	1.3
ASD, Sinus venosus	200	1.2
Conduit failure	192	1.1
Arrhythmia, Pacemaker, Indication for replacement	181	1.1
Vascular ring	175	1.0
TGA, IVS	147	0.9
Cardiomyopathy	146	0.9

Primary procedure (N = 16,920), 25 Most Frequent

Procedure	Incidence		Discharge Mortality		Basic Complexity Score	Basic Complexity Level
	#	% of all	# / Eligible	%		
[Missing procedure]	1,559	9.2	60 / 1,467	4.1%		
Other procedure	1,385	8.2	45 / 1,047	4.3%		
VSD repair, Patch	1,023	6.0	6 / 845	0.7%	6.0	2
PDA closure, Surgical	712	4.2	40 / 616	6.5%	3.0	1
Norwood procedure	632	3.7	119 / 391	30.4%	14.5	4
Bidirectional cavopulmonary anastomosis (BDCPA) (Bidirectional Glenn)	458	2.7	10 / 390	2.6%	6.8	2
ASD repair, Patch	453	2.7	1 / 332	0.3%	3.0	1
Shunt, Systemic to pulmonary, Modified Blalock-Taussig shunt (MBTS)	354	2.1	24 / 304	7.9%	6.3	2
AVC (AVSD) repair, Complete (CAVSD)	349	2.1	11 / 281	3.9%	9.0	3
Ross procedure	342	2.0	7 / 303	2.3%	10.3	4
Pacemaker implantation, Permanent	332	2.0	7 / 255	2.7%	3.0	1
TOF repair, NOS	314	1.9	1 / 278	0.4%		
Arterial switch operation (ASO)	298	1.8	8 / 237	3.4%	10.0	4
TOF repair, Ventriculotomy, Transanular patch	297	1.8	6 / 187	3.2%	8.0	3
RVOT procedure	280	1.7	9 / 225	4.0%	6.5	2
ASD repair, NOS	277	1.6	4 / 234	1.7%		
ASD repair, Primary closure	276	1.6	3 / 221	1.4%	3.0	1
Aortic stenosis, Subvalvar, Repair	269	1.6	0 / 228	0.0%	6.3	2
Valvuloplasty, Mitral	248	1.5	1 / 206	0.5%	8.0	3
Pacemaker procedure	246	1.5	3 / 216	1.4%	3.0	1
Transplant, Heart	244	1.4	11 / 179	6.1%	9.3	3
TAPVC repair	219	1.3	19 / 180	10.6%	9.0	3
Delayed sternal closure	217	1.3	0 / 193	0.0%		
Mediastinal exploration	212	1.3	0 / 132	0.0%	1.5	1
VSD repair, NOS	193	1.1	0 / 160	0.0%		