



**STS Adult Cardiac Surgery Database – Period Ending 12/31/2015 Executive Summary Contents**

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**Table 1 - January 2006 through December 2015 Procedure Distribution**

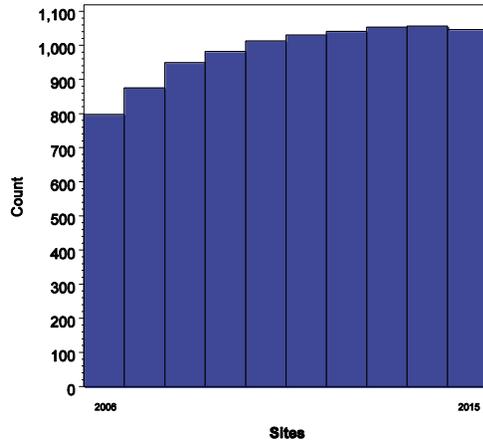
- Yearly Number of Sites in Analysis
- Yearly Overall Procedure Count
- Major Procedures Distribution
- Incidence of Other Procedures Distribution



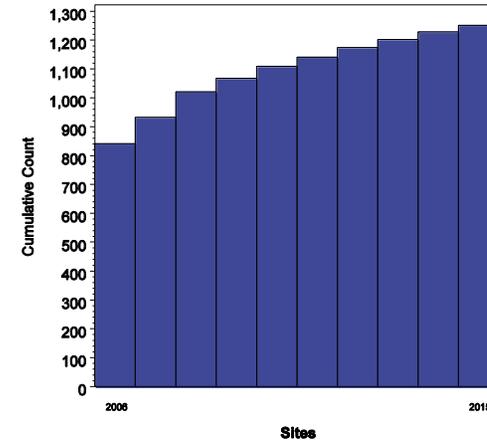
# Adult Cardiac Surgery Database Executive Summary 10 Years

STS Period Ending 12/31/2015

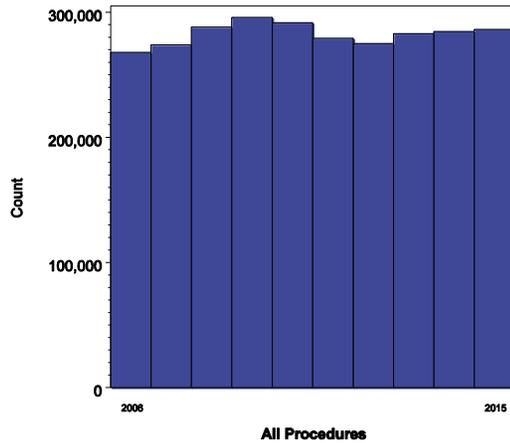
### Number of Participating Sites Yearly Count



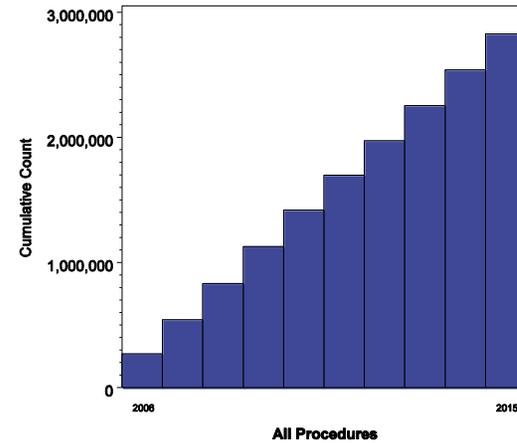
### Number of Participating Sites Cumulative over last 10 years



### Number of Procedures Yearly Count



### Number of Procedures Cumulative over last 10 years

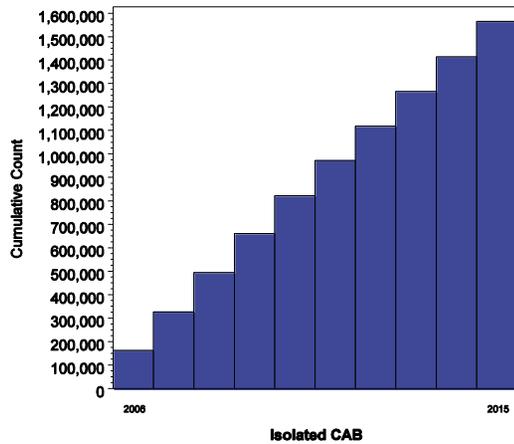




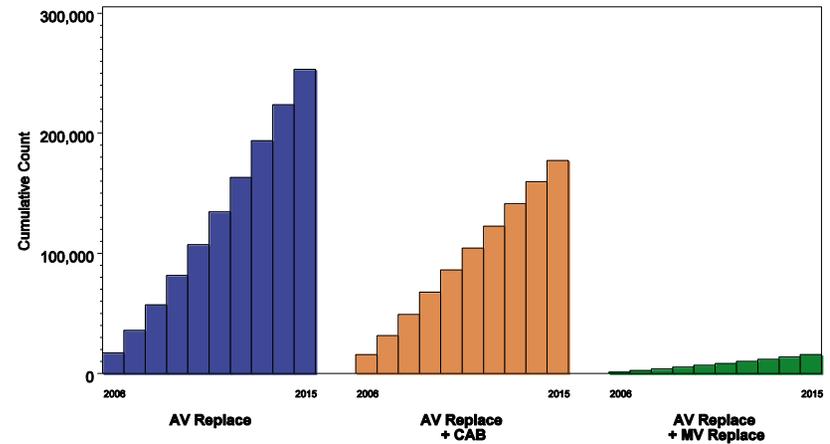
Adult Cardiac Surgery Database  
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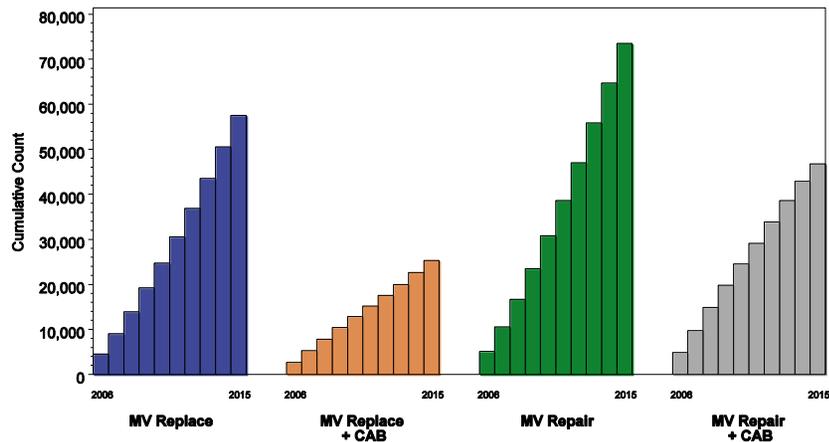
**Number of Isolated CABG Procedures**  
Cumulative over last 10 years



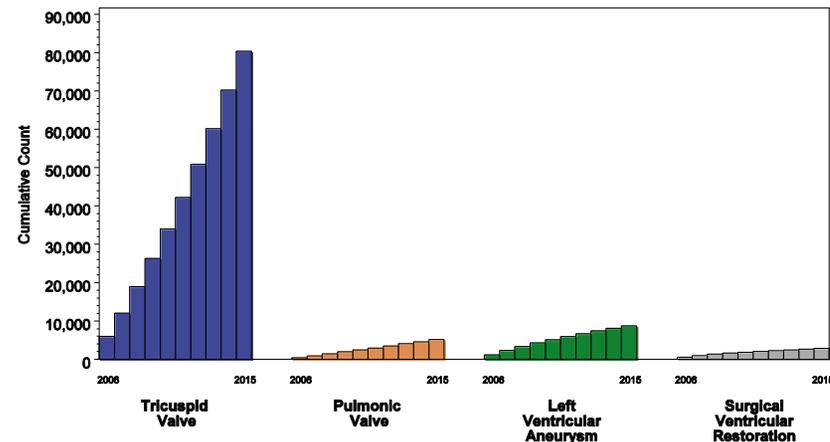
**Number of Aortic Valve Procedures**  
Cumulative over last 10 years



**Number of Mitral Valve Procedures**  
Cumulative over last 10 years



**Number of Selected Other Cardiac Procedures**  
Cumulative over last 10 years

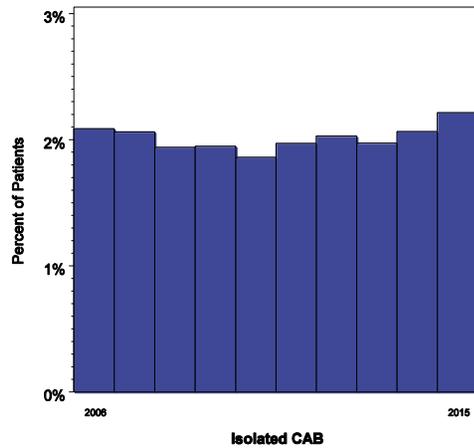




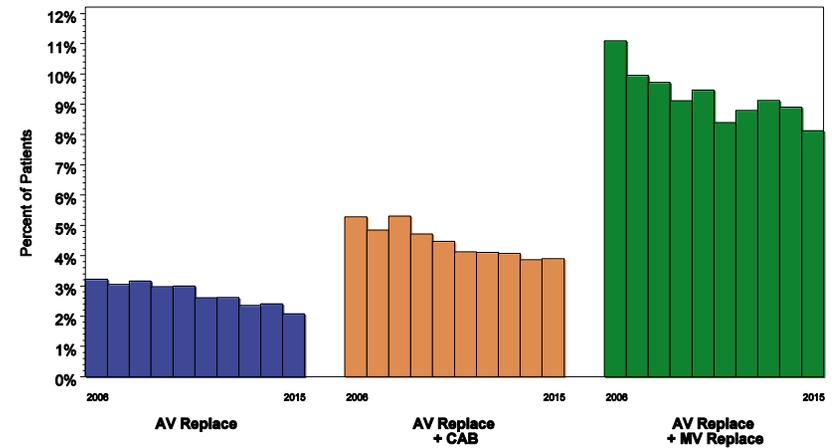
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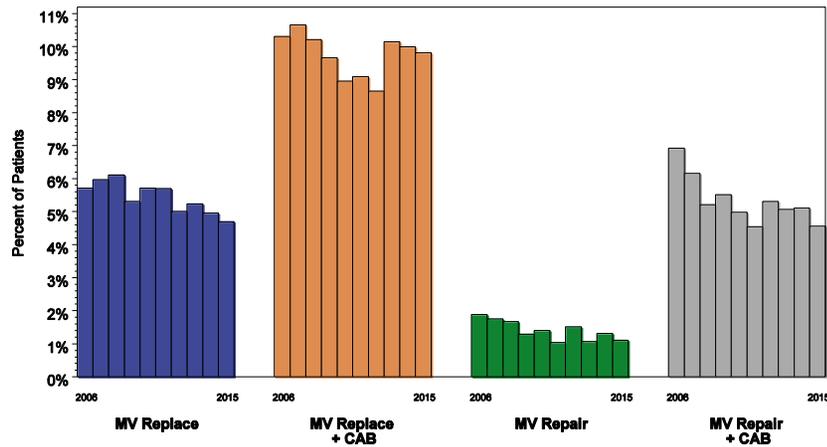
**Unadjusted Isolated CABG Operative Mortality**  
Yearly over last 10 years



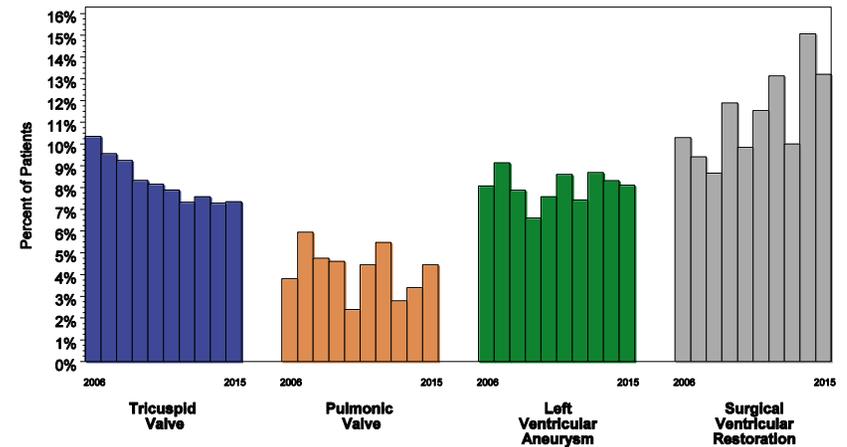
**Unadjusted Aortic Valve Operative Mortality**  
Yearly over last 10 years



**Unadjusted Mitral Valve Operative Mortality**  
Yearly over last 10 years



**Unadjusted Other Cardiac Operative Mortality**  
Yearly over last 10 years



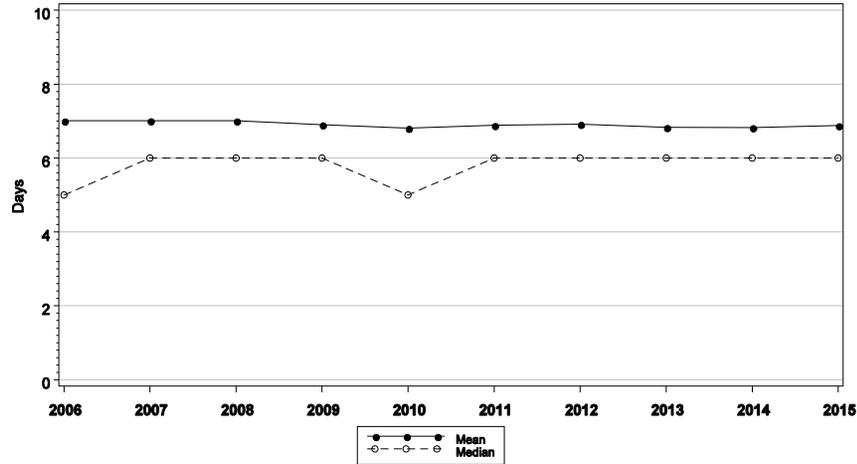


Adult Cardiac Surgery Database  
Executive Summary  
10 Years

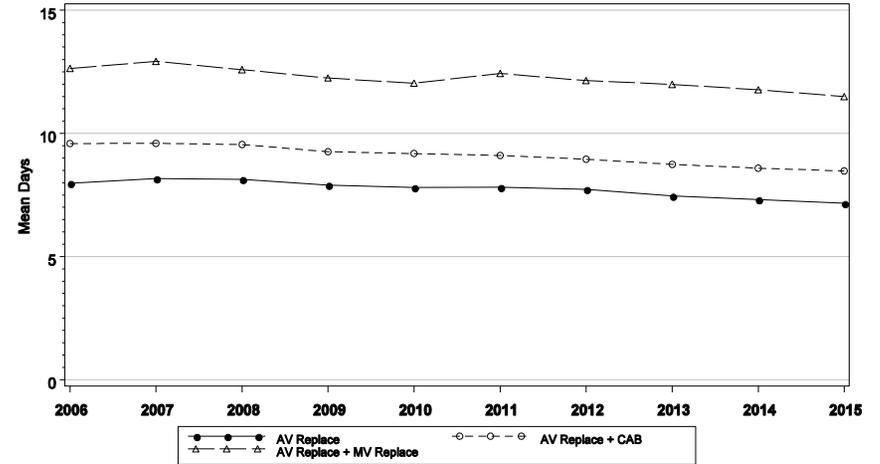


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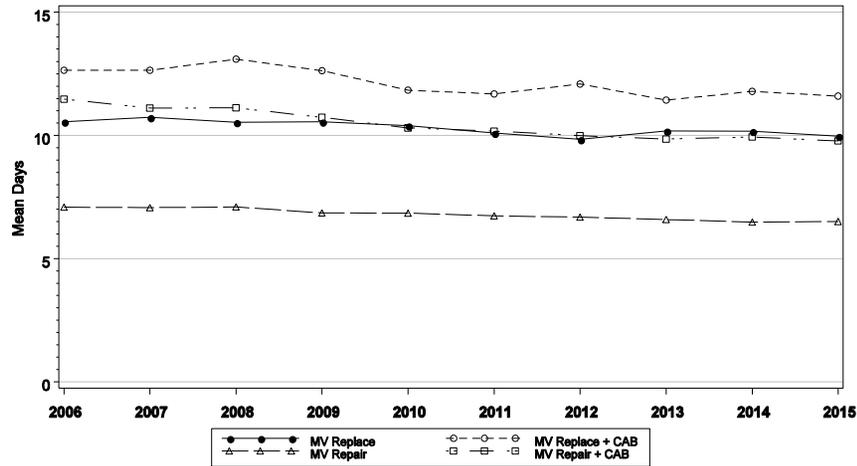
Post-Procedure LOS for Isolated CABG Procedures



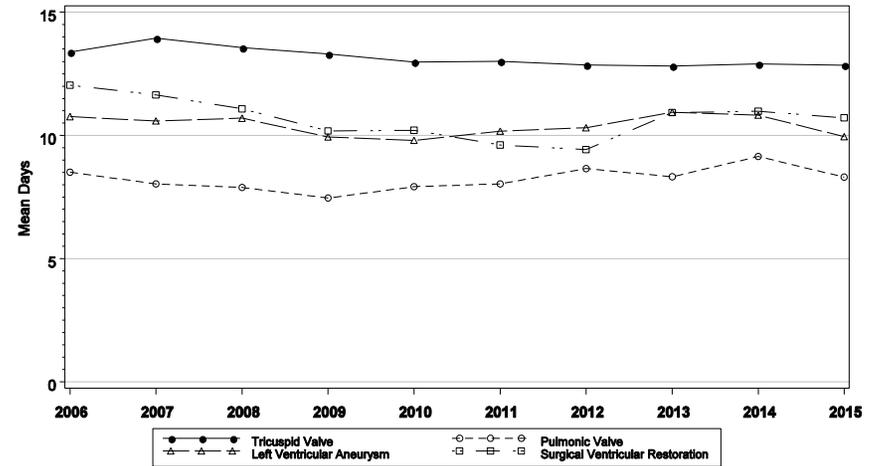
Post-Procedure LOS for Aortic Valve Procedures



Post-Procedure LOS for Mitral Valve Procedures



Post-Procedure LOS for Other Cardiac Procedures





**Adult Cardiac Surgery Database  
Executive Summary  
10 Years**



**STS Period Ending 12/31/2015**

	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
<b>Yearly Number of Sites in Analysis</b>	797	875	949	982	1,012	1,030	1,041	1,053	1,056	1,046
<b>Yearly Overall Procedure Count</b>	267,860	273,864	287,964	295,774	291,410	279,006	275,008	282,869	284,531	286,149
<b>Major Procedures</b>										
Isolated CABG .....	161,733	164,340	168,027	167,329	160,819	149,650	146,461	147,776	147,918	151,474
Isolated Aortic Valve Replacement .....	16,957	18,730	21,376	24,501	25,621	27,258	28,778	30,665	29,810	29,462
Isolated Mitral Valve Replacement .....	4,498	4,522	4,845	5,336	5,495	5,877	6,295	6,636	6,987	7,027
Aortic Valve Replacement + CABG .....	15,540	15,879	17,536	18,823	18,344	18,214	18,374	18,578	18,362	17,570
Mitral Valve Replacement + CABG .....	2,648	2,582	2,576	2,589	2,446	2,322	2,383	2,435	2,632	2,681
Aortic + Mitral Valve Replacements .....	1,163	1,285	1,317	1,503	1,468	1,609	1,661	1,776	1,908	1,808
Mitral Valve Repair .....	5,092	5,424	6,155	6,817	7,301	7,835	8,395	8,819	8,858	8,764
Mitral Valve Repair + CABG .....	4,838	4,854	5,177	4,898	4,759	4,596	4,708	4,795	4,283	3,862
Not Classified Above .....	55,391	56,248	60,955	63,978	65,157	61,645	57,953	61,389	63,773	63,501
<b>Incidence of Other Procedures</b>										
Pulmonic Valve .....	447	454	505	543	543	472	548	536	561	584
Tricuspid Valve .....	5,965	6,090	6,903	7,369	7,625	8,202	8,655	9,322	10,014	10,137
Ventricular Assist Device .....	1,134	1,198	1,512	1,863	2,434	3,202	3,549	4,162	4,742	5,274
LVA - Left Ventricular Aneurysm Repair ..	1,189	1,139	1,041	925	831	790	781	702	674	605
VSD - Ventricular Septal Defect Repair ..	618	575	634	625	637	672	700	651	748	738
ASD - Atrial Septal Defect Repair .....	3,158	3,372	3,940	4,285	4,230	4,687	5,194	5,418	5,895	5,756
Batista .....	38	47	47	34	42	17	-	-	-	-
Surgical Ventricular Restoration .....	515	436	404	303	193	208	198	210	219	212
Congenital Defect Repair .....	1,697	2,073	1,821	1,579	1,544	1,564	1,702	1,665	1,299	946
Transmyocardial Laser Revascularization	3,208	2,497	2,387	2,033	2,011	1,755	1,723	1,492	1,465	1,346
Cardiac Trauma .....	293	291	335	297	287	280	289	267	268	266
Cardiac Transplant .....	978	1,031	1,121	1,226	1,367	1,356	1,387	1,585	1,718	1,687
Arrhythmia Correction Surgery .....	1,409	1,275	1,370	1,211	1,159	1,039	921	940	849	759
Atrial Fibrillation Correction Surgery .....	14,978	15,074	16,013	16,593	16,825	17,567	21,177	24,638	19,422	11,354
Aortic Aneurysm .....	9,553	10,138	11,734	13,127	13,947	12,882	11,755	12,494	12,635	13,113
Ascending Aorta .....	7,896	8,501	10,024	11,431	12,140	10,633	9,157	9,766	10,039	10,777
Aortic Arch .....	2,298	2,415	2,762	3,183	3,501	3,155	2,858	3,097	3,283	3,665
Descending Aorta .....	1,054	1,088	1,122	1,154	1,281	1,047	755	769	868	1,024
Thoracoabdominal Aorta .....	630	571	670	631	708	660	653	741	661	558
Carotid Endarterectomy .....	2,211	2,042	2,081	1,884	1,775	1,581	1,396	1,387	1,313	1,245
Other Vascular .....	1,365	1,199	1,470	1,566	1,500	1,383	1,253	1,304	1,385	1,397
Other Thoracic .....	1,631	1,605	1,795	1,663	1,663	1,556	1,599	1,681	1,734	1,658