



Adult Cardiac Surgery Database  
Executive Summary  
10 Years



STS Period Ending 3/31/2016

2016 is a partial year: Jan 2016 - Mar 2016

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**Table 1 - January 2007 through March 2016 Procedure Distribution**

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



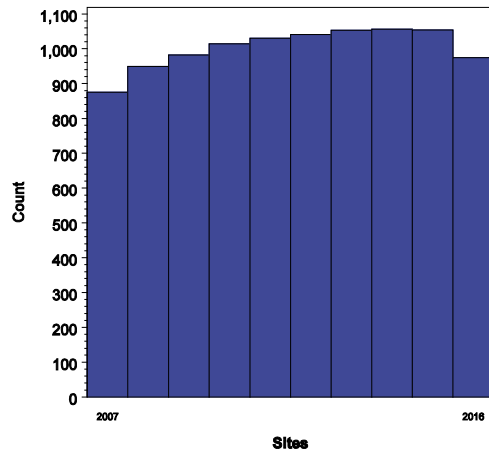
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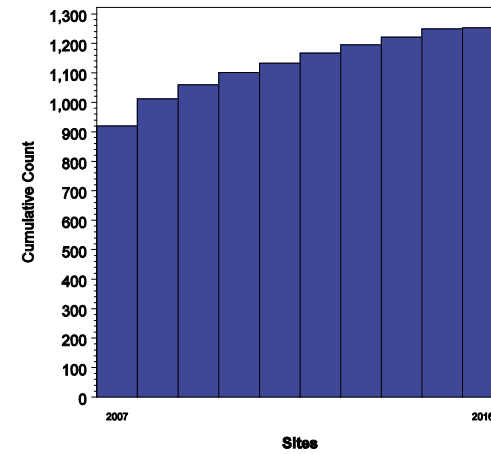
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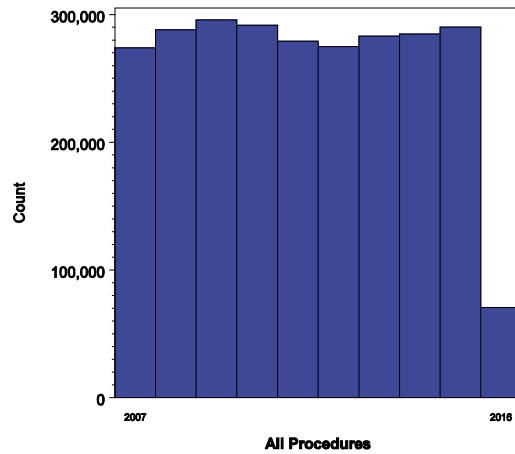
### Number of Participating Sites Yearly Count



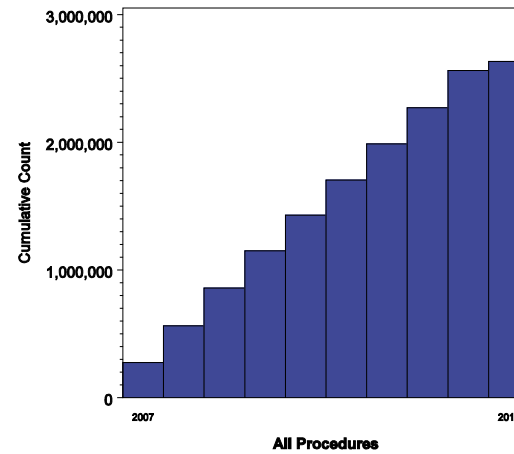
### Number of Participating Sites Cumulative over last 10 years



### Number of Procedures Yearly Count



### Number of Procedures Cumulative over last 10 years



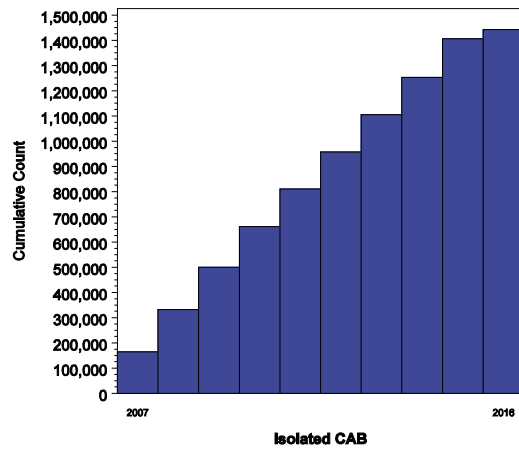


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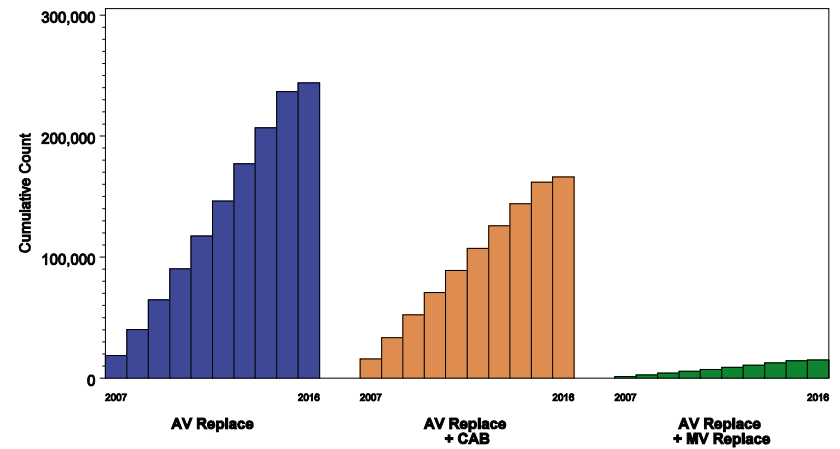
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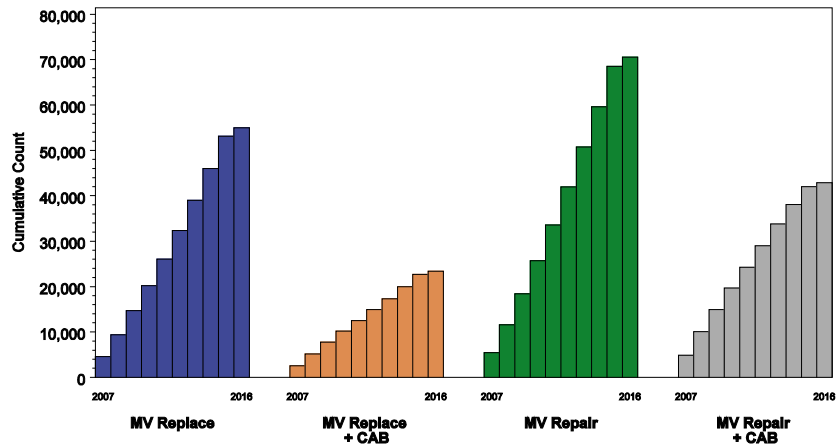
### Number of Isolated CABG Procedures Cumulative over last 10 years



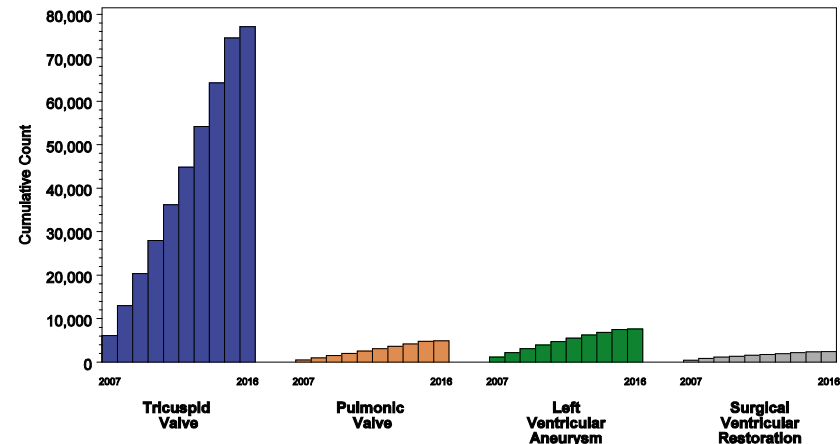
### Number of Aortic Valve Procedures Cumulative over last 10 years



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



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



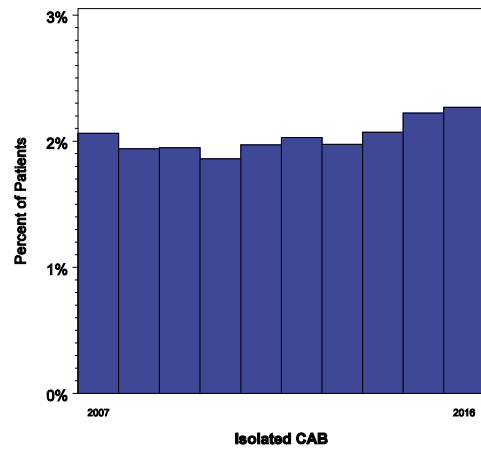


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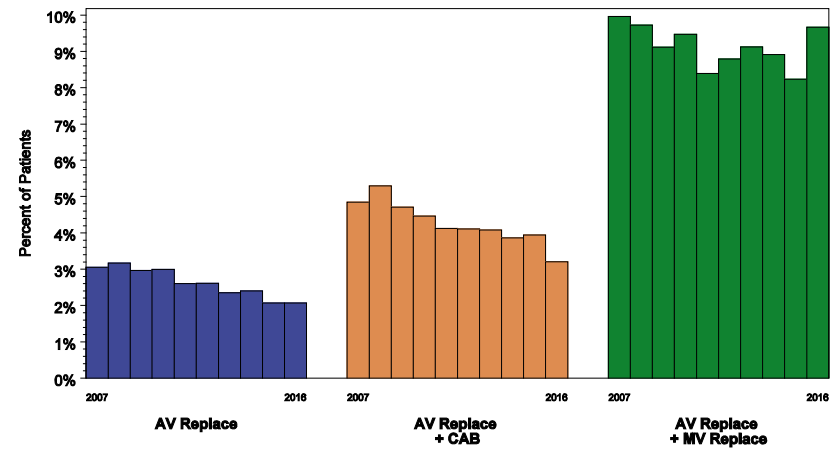
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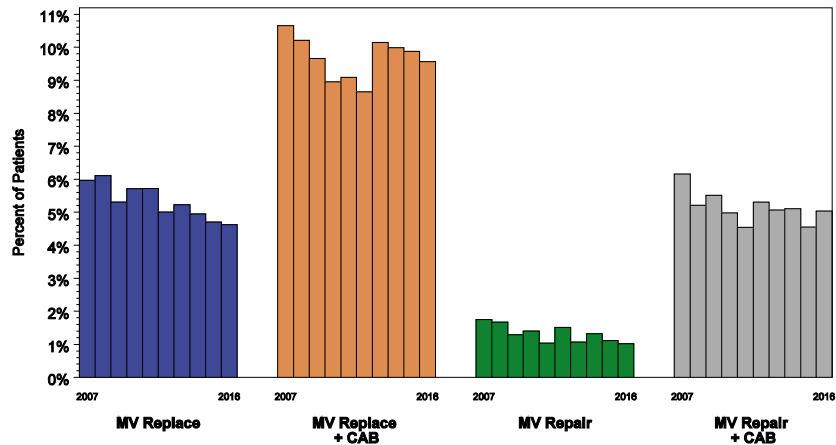
**Unadjusted Isolated CABG Operative Mortality**  
Yearly over last 10 years



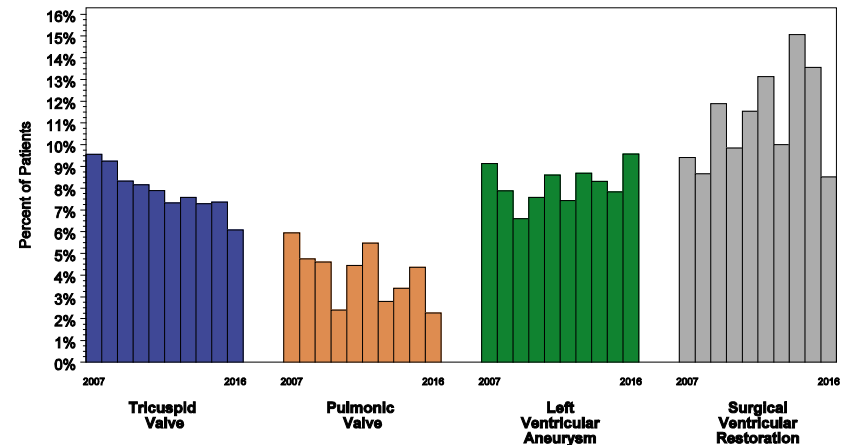
**Unadjusted Aortic Valve Operative Mortality**  
Yearly over last 10 years



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



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



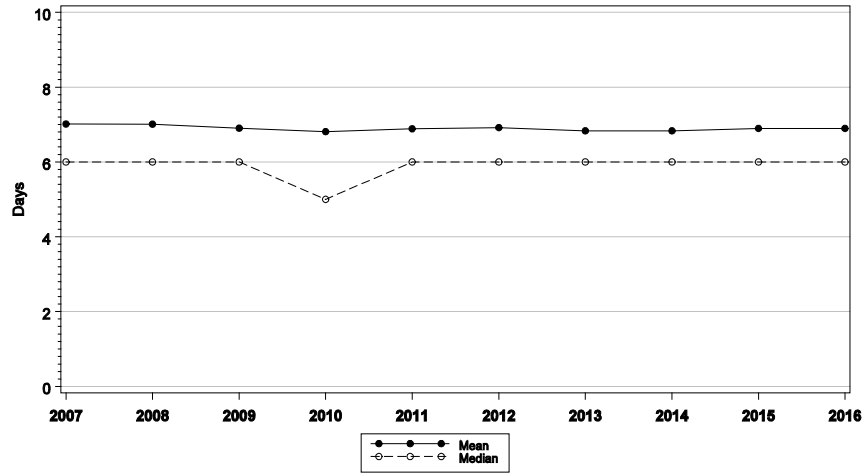


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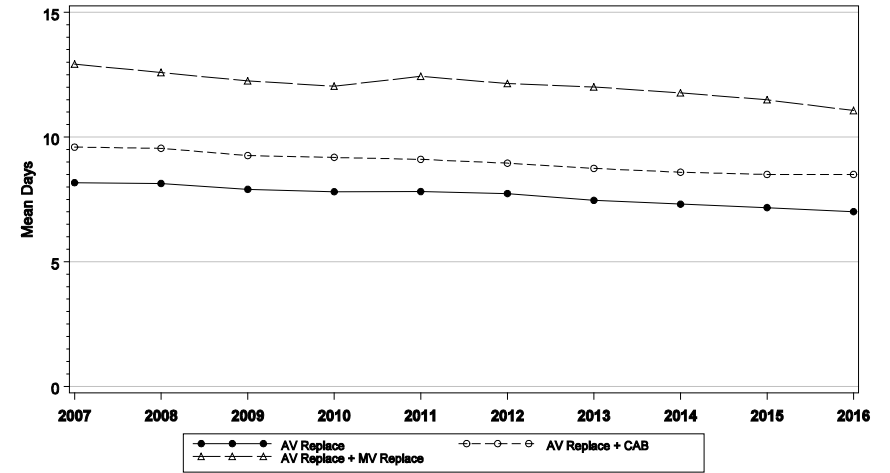


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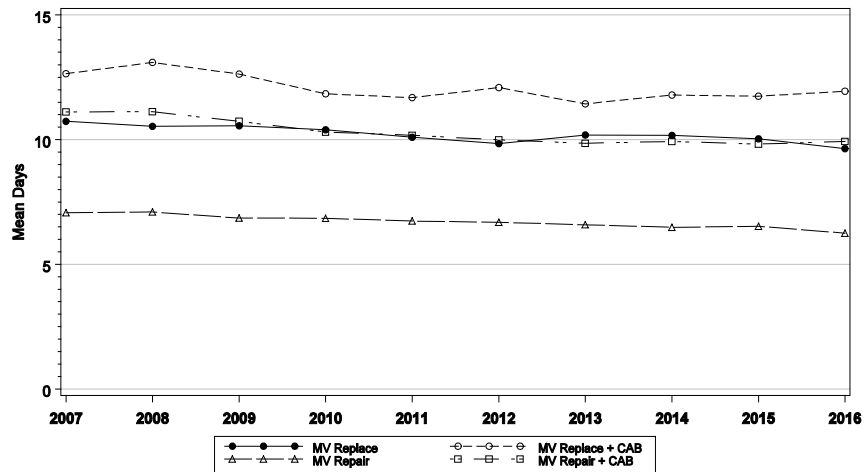
**Post-Procedure LOS for Isolated CABG Procedures**



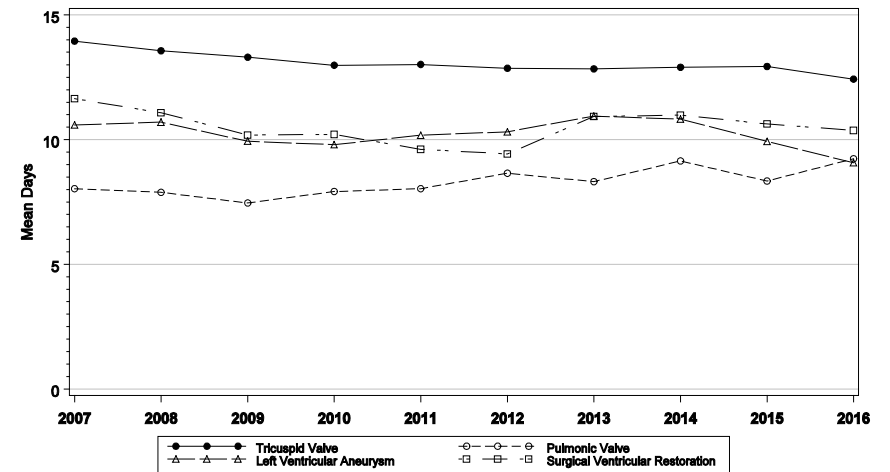
**Post-Procedure LOS for Aortic Valve Procedures**



**Post-Procedure LOS for Mitral Valve Procedures**



**Post-Procedure LOS for Other Cardiac Procedures**





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	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
<b>Yearly Number of Sites in Analysis</b>	875	949	982	1,014	1,030	1,041	1,053	1,056	1,054	974
<b>Yearly Overall Procedure Count</b>	273,864	287,964	295,774	291,410	279,011	275,008	282,913	284,658	290,006	70,519
<b>Major Procedures</b>										
Isolated CABG .....	164,340	168,027	167,329	160,819	149,652	146,461	147,792	147,985	153,207	36,948
Isolated Aortic Valve Replacement .....	18,730	21,376	24,501	25,620	27,258	28,778	30,671	29,817	29,891	7,207
Isolated Mitral Valve Replacement .....	4,522	4,845	5,336	5,496	5,878	6,295	6,639	6,989	7,125	1,859
Aortic Valve Replacement + CABG .....	15,879	17,536	18,823	18,344	18,214	18,374	18,576	18,367	17,790	4,341
Mitral Valve Replacement + CABG .....	2,582	2,576	2,589	2,446	2,322	2,383	2,435	2,634	2,714	732
Aortic + Mitral Valve Replacements .....	1,285	1,317	1,503	1,468	1,609	1,661	1,777	1,908	1,834	507
Mitral Valve Repair .....	5,424	6,155	6,817	7,300	7,835	8,394	8,820	8,864	8,881	2,067
Mitral Valve Repair + CABG .....	4,854	5,177	4,898	4,759	4,596	4,708	4,795	4,285	3,911	854
Not Classified Above .....	56,248	60,955	63,978	65,158	61,647	57,954	61,408	63,809	64,653	16,004
<b>Incidence of Other Procedures</b>										
Pulmonic Valve .....	454	505	543	543	472	548	537	561	596	133
Tricuspid Valve .....	6,090	6,903	7,369	7,625	8,202	8,655	9,329	10,015	10,324	2,617
Ventricular Assist Device .....	1,198	1,512	1,863	2,434	3,202	3,549	4,163	4,744	5,431	1,230
LVA - Left Ventricular Aneurysm Repair ..	1,139	1,041	925	831	790	781	702	674	613	136
VSD - Ventricular Septal Defect Repair ...	575	634	625	637	672	700	652	749	758	208
ASD - Atrial Septal Defect Repair .....	3,372	3,940	4,285	4,230	4,688	5,194	5,421	5,898	5,870	1,497
Batista .....	47	47	34	42	17	-	-	-	-	-
Surgical Ventricular Restoration .....	436	404	303	193	208	198	210	219	214	47
Congenital Defect Repair .....	2,073	1,821	1,579	1,544	1,563	1,702	1,667	1,299	970	240
Transmyocardial Laser Revascularization	2,497	2,387	2,033	2,011	1,755	1,723	1,493	1,465	1,361	278
Cardiac Trauma .....	291	335	297	287	280	289	267	269	275	64
Cardiac Transplant .....	1,031	1,121	1,226	1,367	1,356	1,387	1,587	1,717	1,743	432
Arrhythmia Correction Surgery .....	1,275	1,370	1,211	1,159	1,039	921	940	848	778	169
Atrial Fibrillation Correction Surgery .....	15,074	16,013	16,593	16,825	17,569	21,177	24,648	19,425	11,578	2,843
Aortic Aneurysm .....	10,138	11,734	13,127	13,947	12,881	11,755	12,500	12,640	13,375	3,513
Ascending Aorta .....	8,501	10,024	11,431	12,140	10,633	9,157	9,773	10,042	10,999	2,871
Aortic Arch .....	2,415	2,762	3,183	3,501	3,155	2,857	3,099	3,284	3,786	1,037
Descending Aorta .....	1,088	1,122	1,154	1,281	1,047	755	769	869	1,045	310
Thoracoabdominal Aorta .....	571	670	631	708	660	653	741	661	577	173
Carotid Endarterectomy .....	2,042	2,081	1,884	1,775	1,581	1,396	1,387	1,313	1,255	270
Other Vascular .....	1,199	1,470	1,566	1,500	1,383	1,253	1,304	1,385	1,451	356
Other Thoracic .....	1,605	1,795	1,663	1,663	1,556	1,599	1,681	1,737	1,678	429