



## **STS Adult CV Surgery National Database - Fall 2003 Executive Summary Contents**

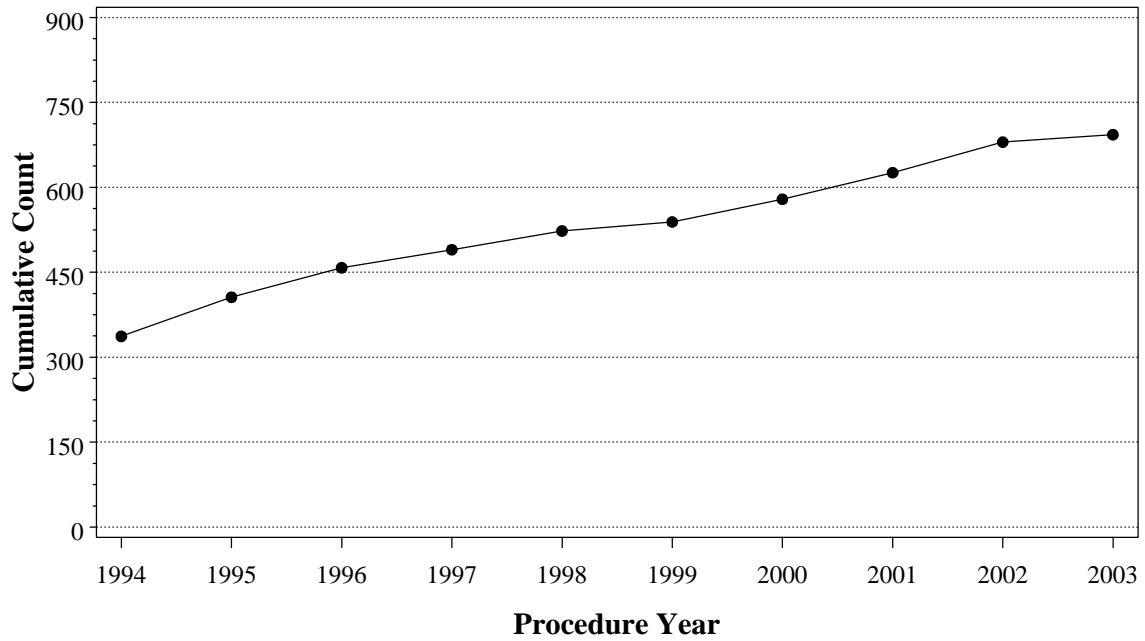
- Figure 1. Cumulative Number of Participating Sites
- Figure 2. Cumulative Number of Procedures Performed
- Figure 3. Cumulative Number of Isolated CAB Procedures Performed
- Figure 4. Unadjusted Isolated CAB Operative Mortality
- Figure 5. Risk-Adjusted Isolated CAB Operative Mortality
- Figure 6. Post-Procedure Length of Stay for Isolated CAB Procedures
- Figure 7. Cumulative Number of Aortic Valve Procedures Performed
- Figure 8. Unadjusted Aortic Valve Operative Mortality
- Figure 9. Risk-Adjusted Aortic Valve Operative Mortality
- Figure 10. Mean Post-Procedure Length of Stay for Aortic Valve Procedures
- Figure 11. Cumulative Number of Mitral Valve Procedures Performed
- Figure 12. Unadjusted Mitral Valve Operative Mortality
- Figure 13. Risk-Adjusted Mitral Valve Operative Mortality
- Figure 14. Mean Post-Procedure Length of Stay for Mitral Valve Procedures
- Figure 15. Cumulative Number of Selected Other Cardiac Procedures Performed
- Figure 16. Unadjusted Other Cardiac Operative Mortality
- Figure 17. Mean Post-Procedure Length of Stay for Other Cardiac Procedures
- Figure 18. Cumulative Number of Selected Other Non-Cardiac Procedures Performed
- Figure 19. Unadjusted Other Non-Cardiac Operative Mortality
- Figure 20. Mean Post-Procedure Length of Stay for Other Non-Cardiac Procedures

### **Table 1 - January 1994 to June 2003 Procedure Distribution**

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

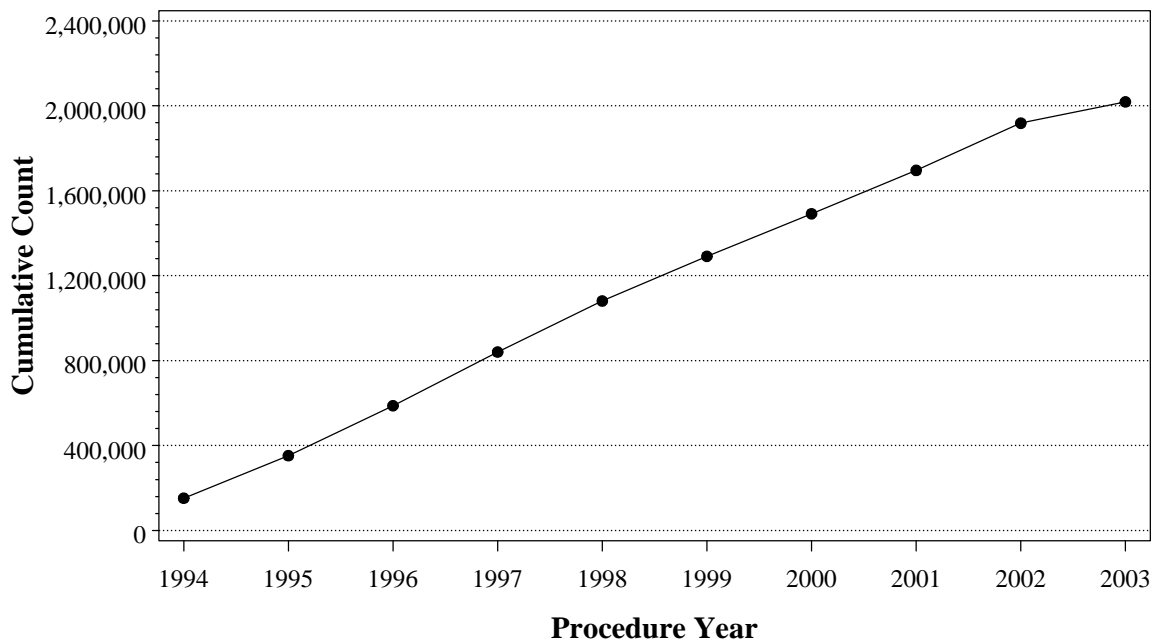
**Figure 1:**

### Number of Participating Sites Over Last 10 Years



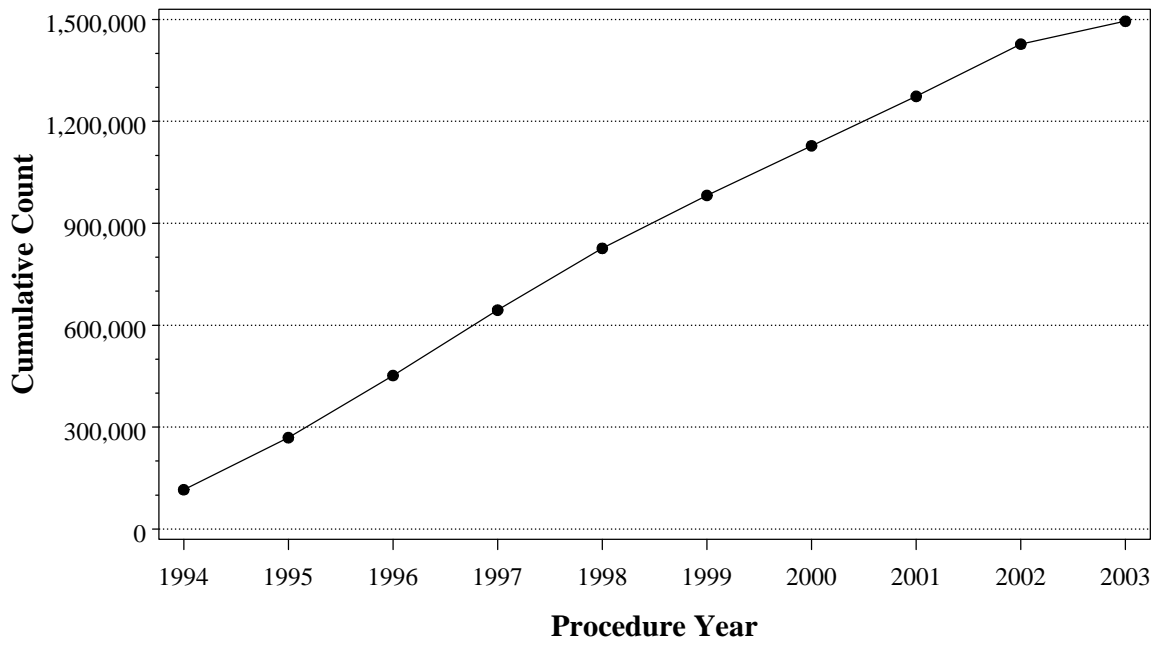
**Figure 2:**

### Number of Procedures Performed Over Last 10 Years



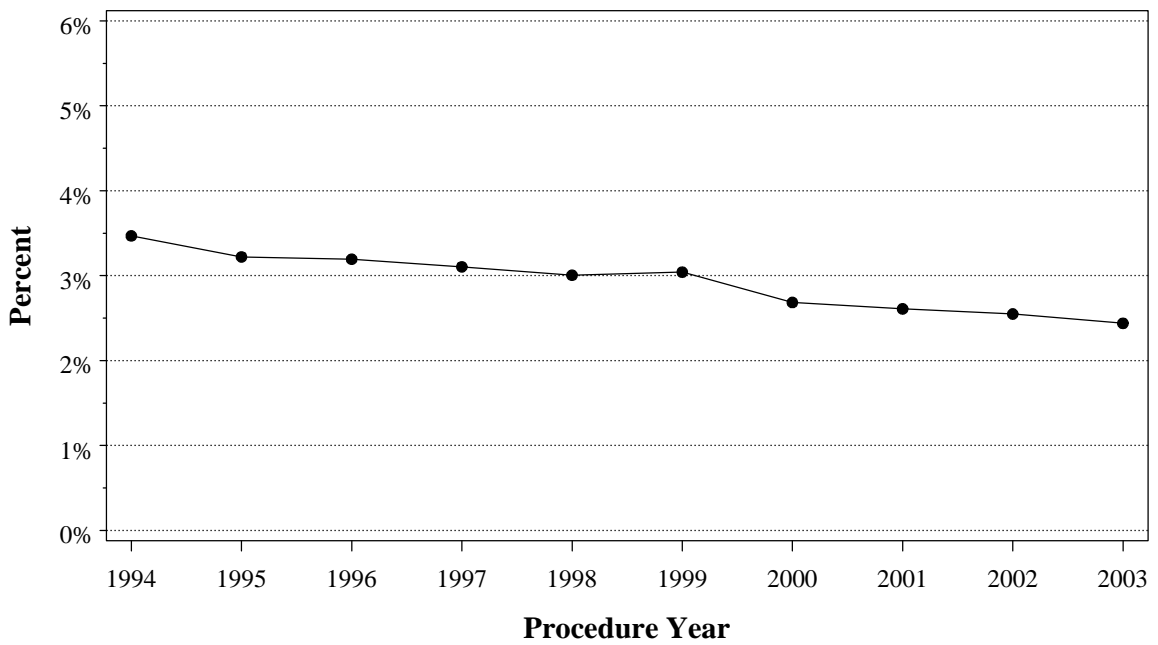
**Figure 3:**

**Number of Isolated CAB Procedures Performed Over Last 10 Years**



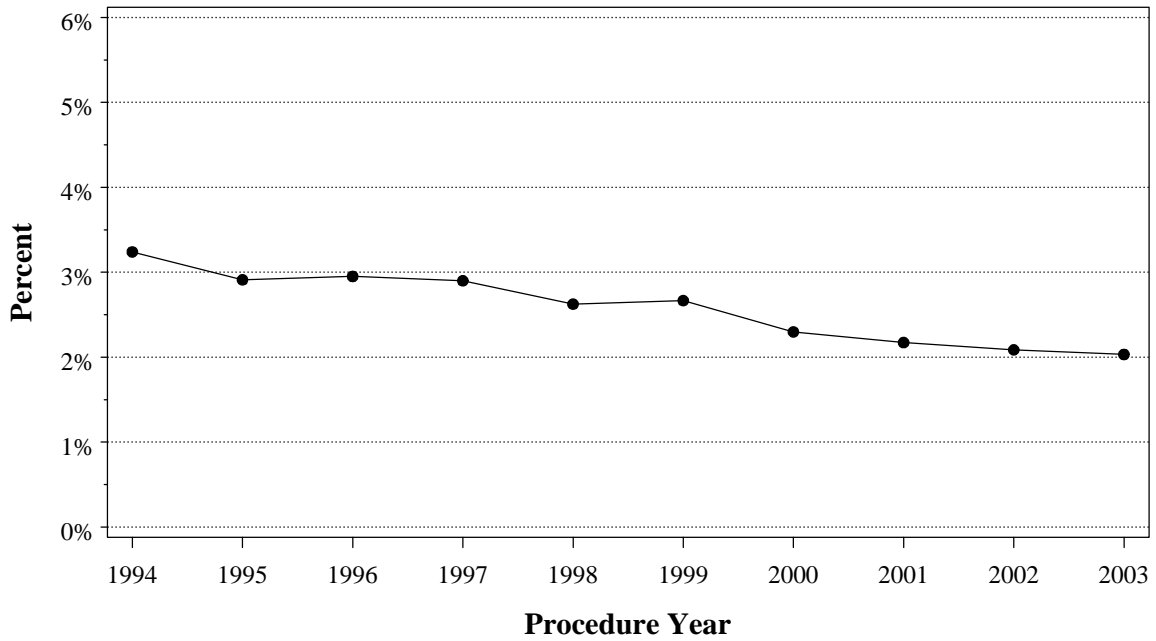
**Figure 4:**

**Unadjusted Isolated CAB Operative Mortality**



**Figure 5:**

### **Risk-Adjusted Isolated CAB Operative Mortality**



**Figure 6:**

### **Post-Procedure Length of Stay for Isolated CAB Procedures**

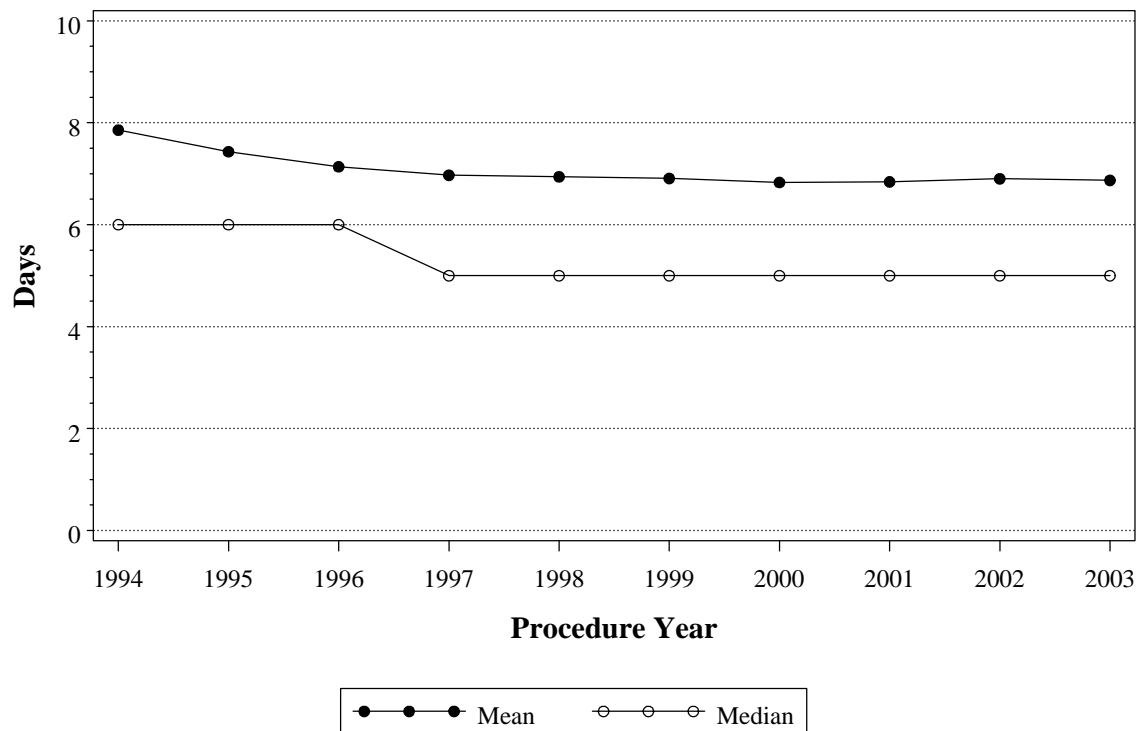


Figure 7:

### Number of Aortic Valve Procedures Performed Over Last 10 Years

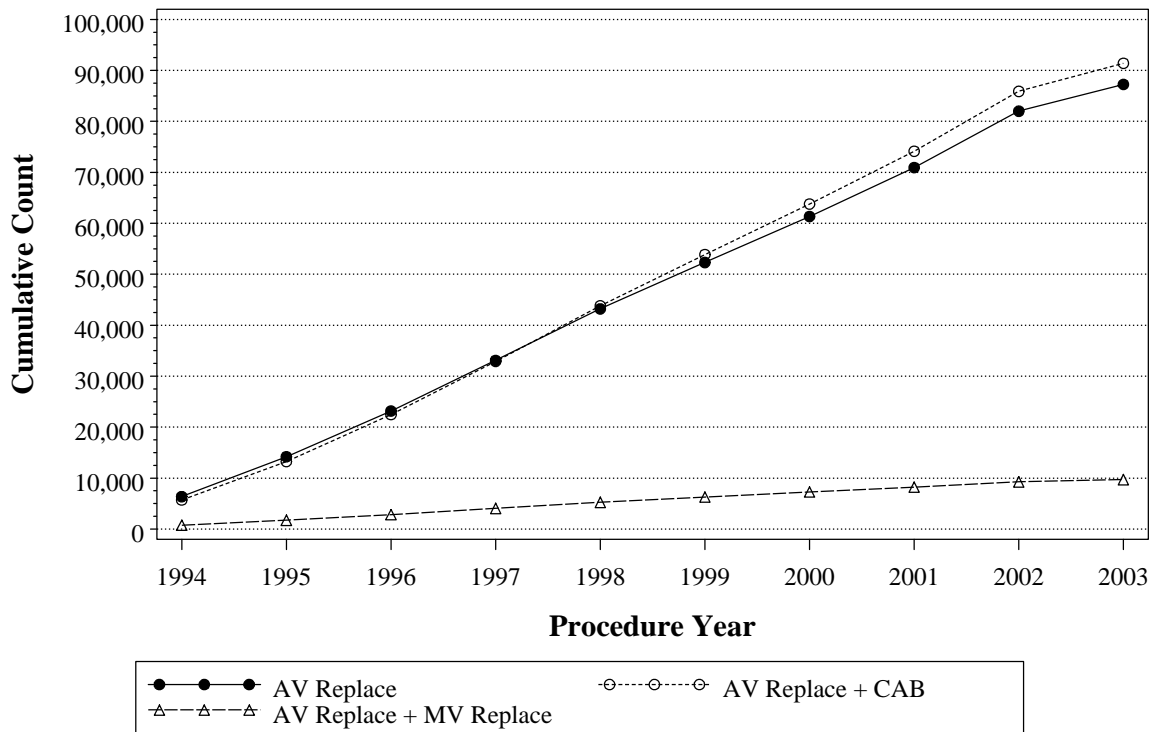
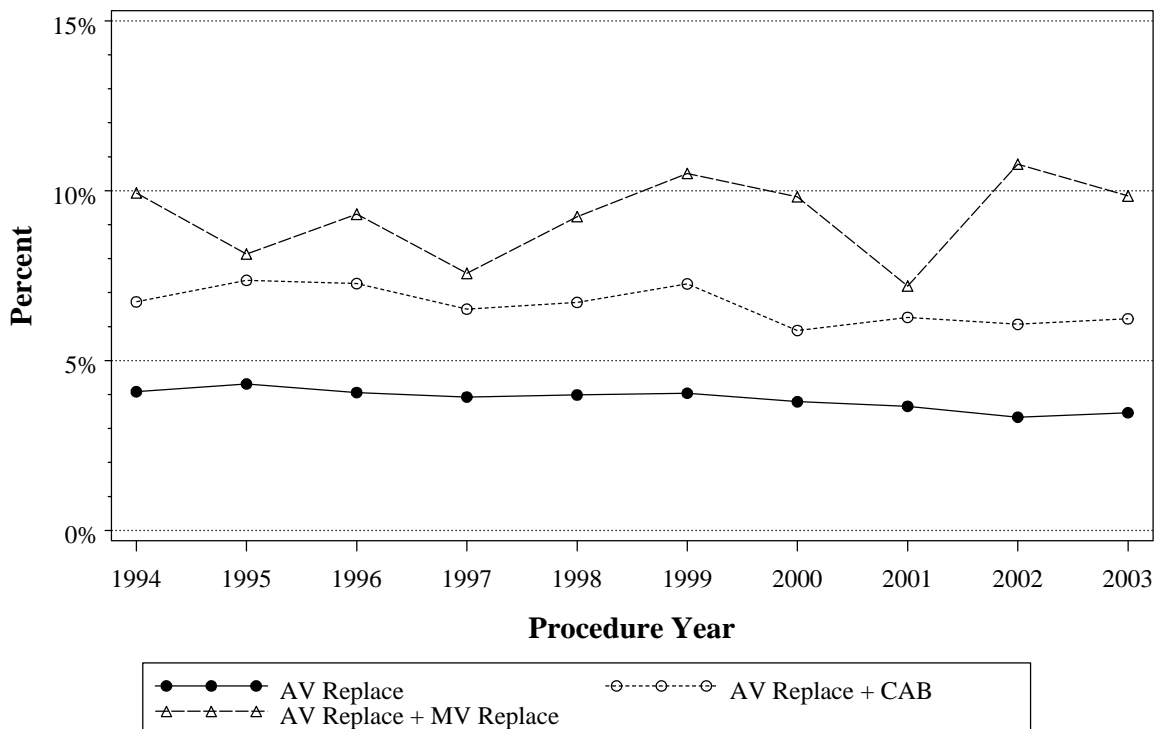


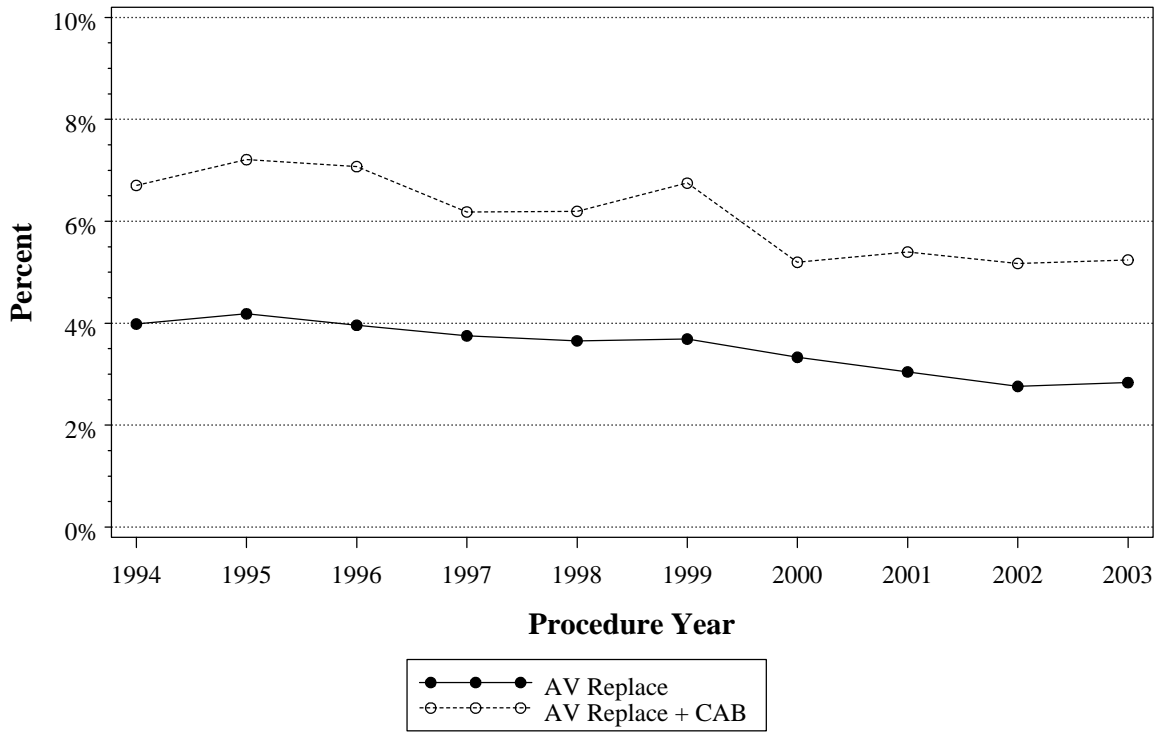
Figure 8:

### Unadjusted Aortic Valve Operative Mortality



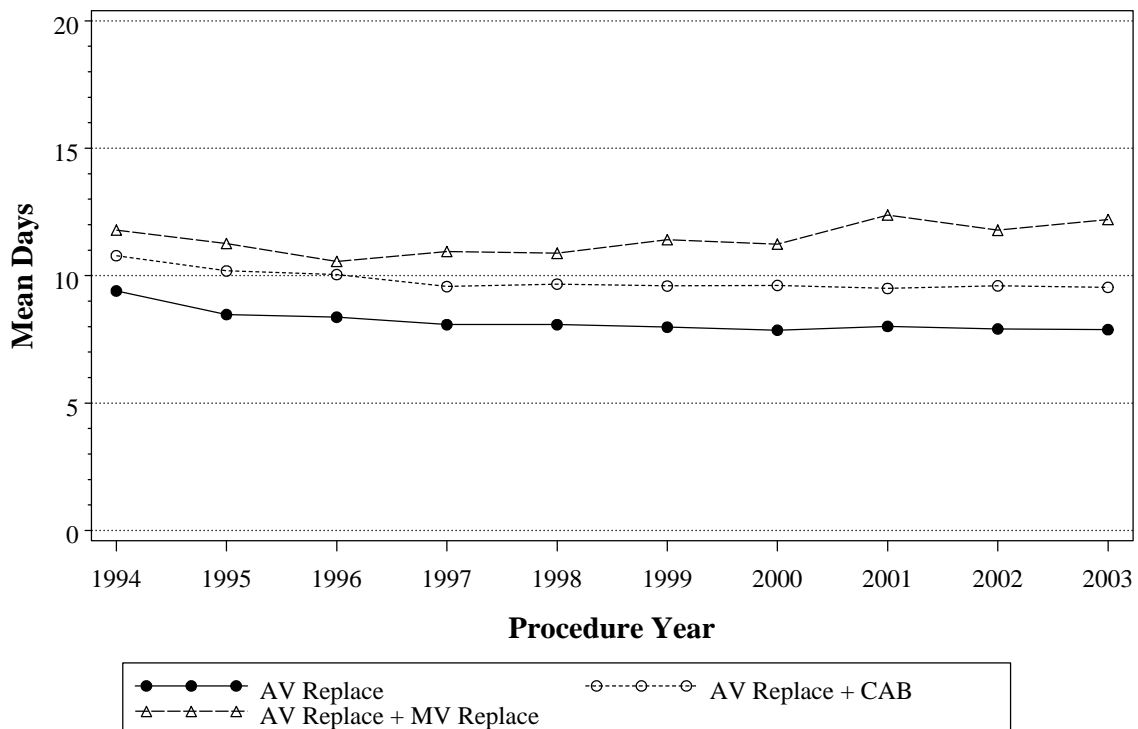
**Figure 9:**

### Risk-Adjusted Aortic Valve Operative Mortality



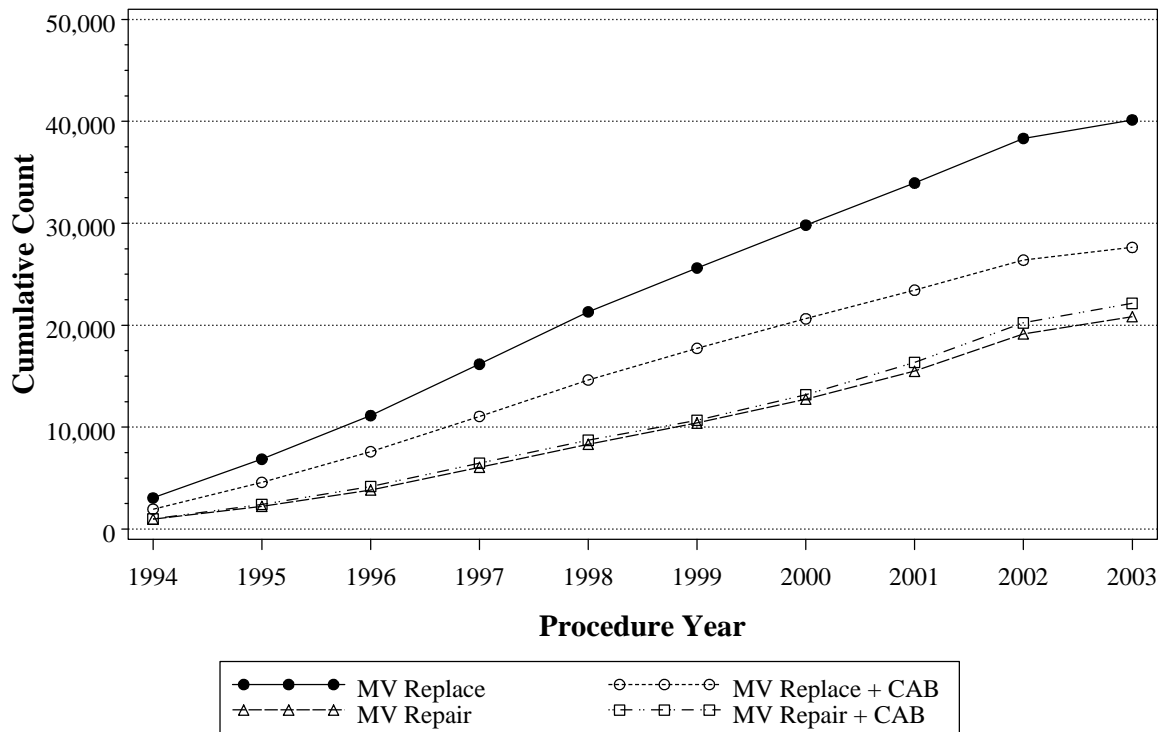
**Figure 10:**

### Mean Post-Procedure Length of Stay for Aortic Valve Procedures



**Figure 11:**

**Number of Mitral Valve Procedures Performed Over Last 10 Years**



**Figure 12:**

**Unadjusted Mitral Valve Operative Mortality**

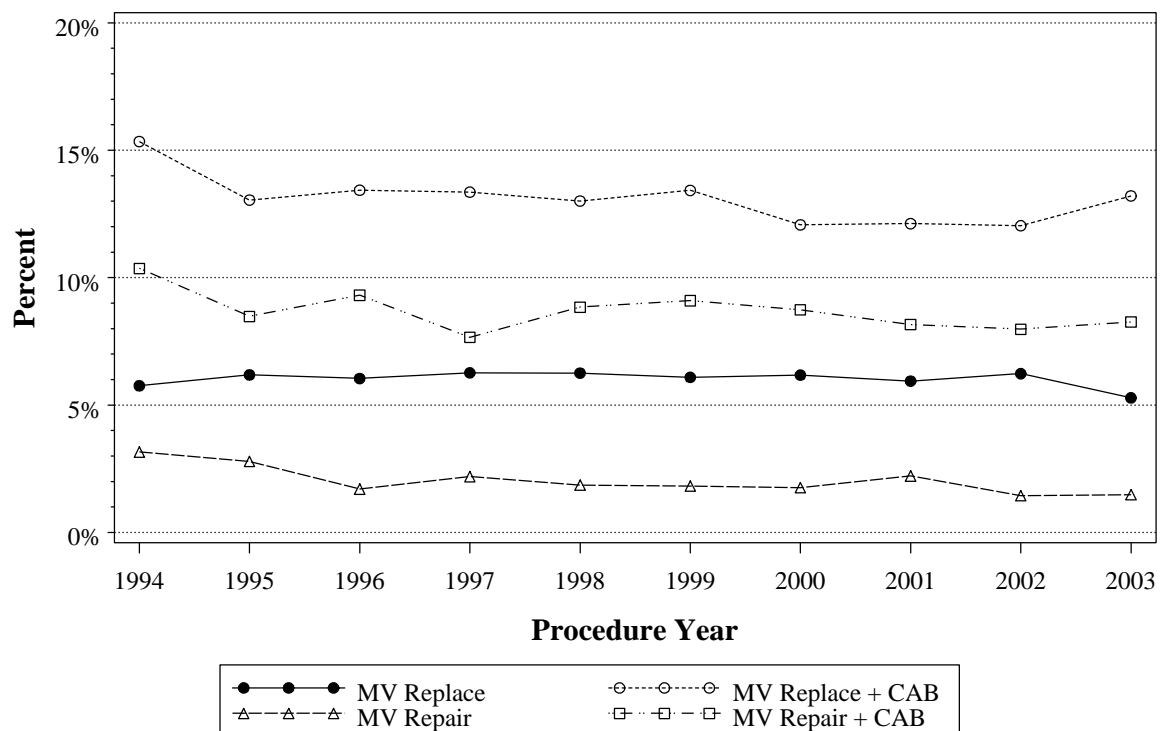


Figure 13:

### Risk-Adjusted Mitral Valve Operative Mortality

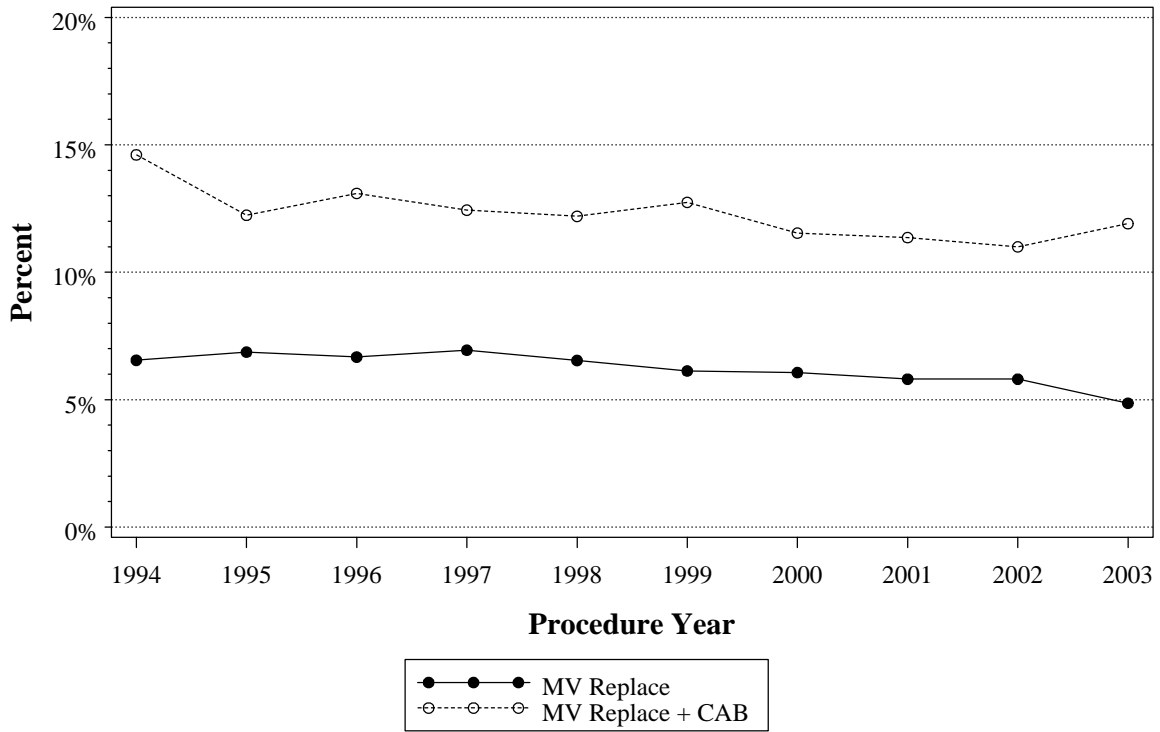
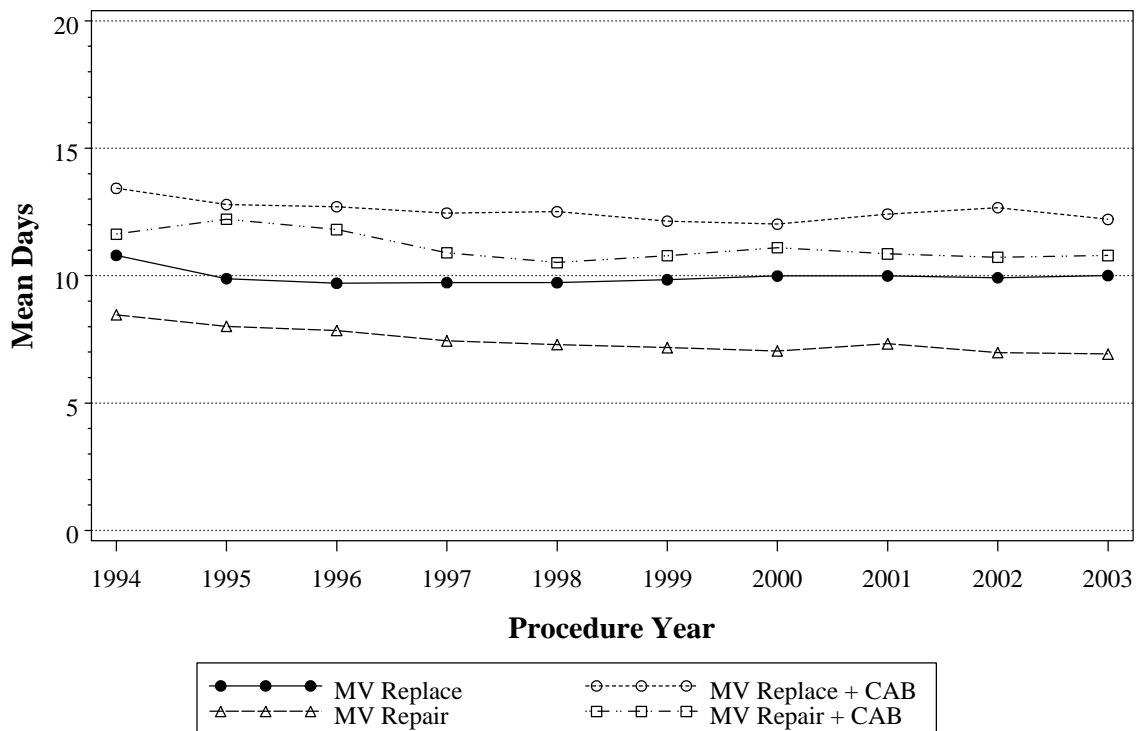
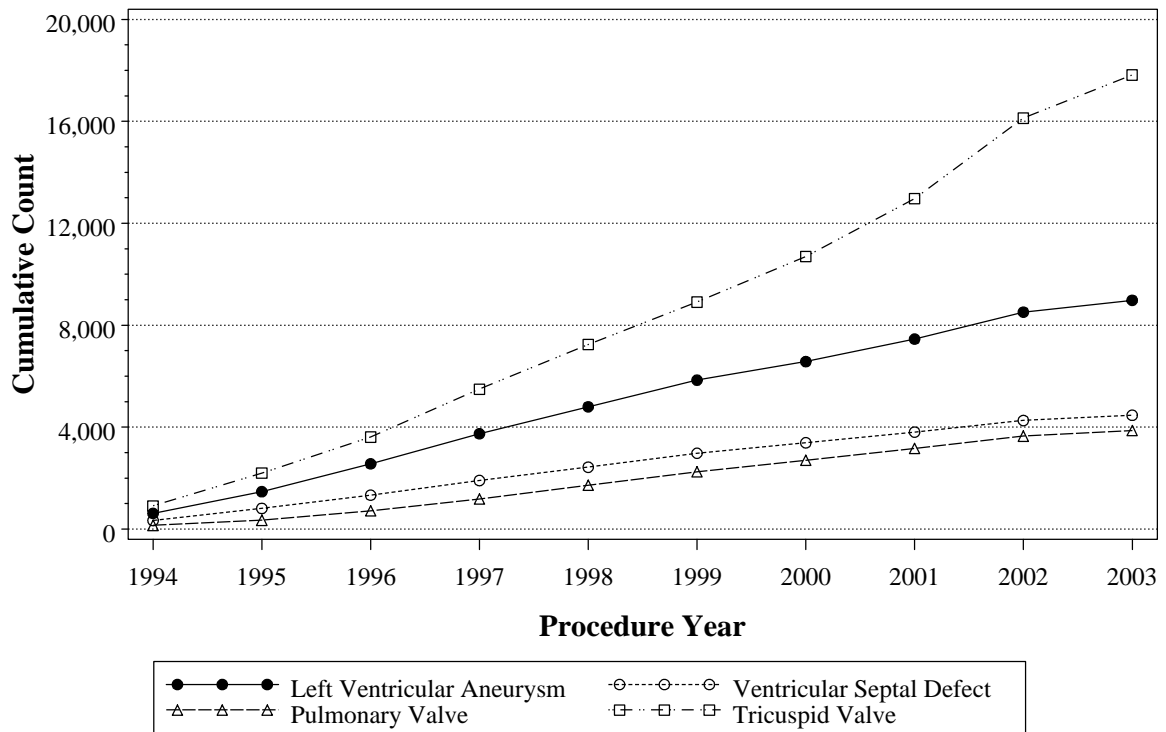


Figure 14:

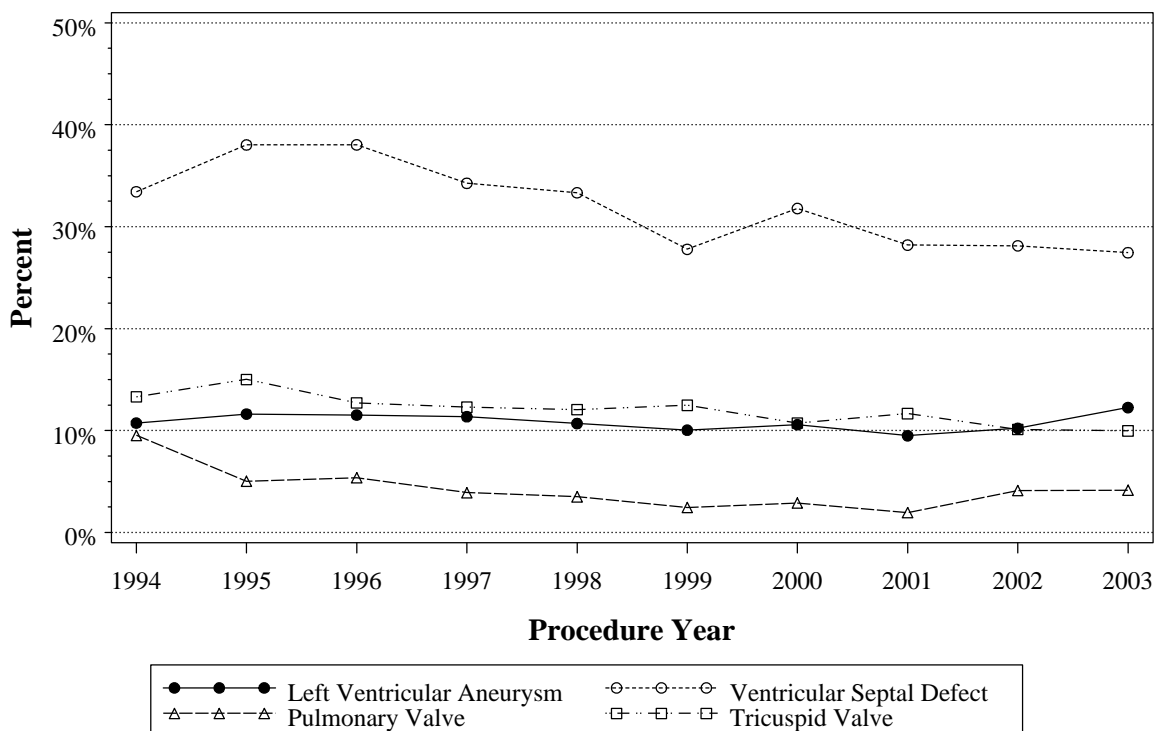
### Mean Post-Procedure Length of Stay for Mitral Valve Procedures



**Figure 15:**  
**Number of Selected Other Cardiac Procedures Performed Over Last 10 Years**

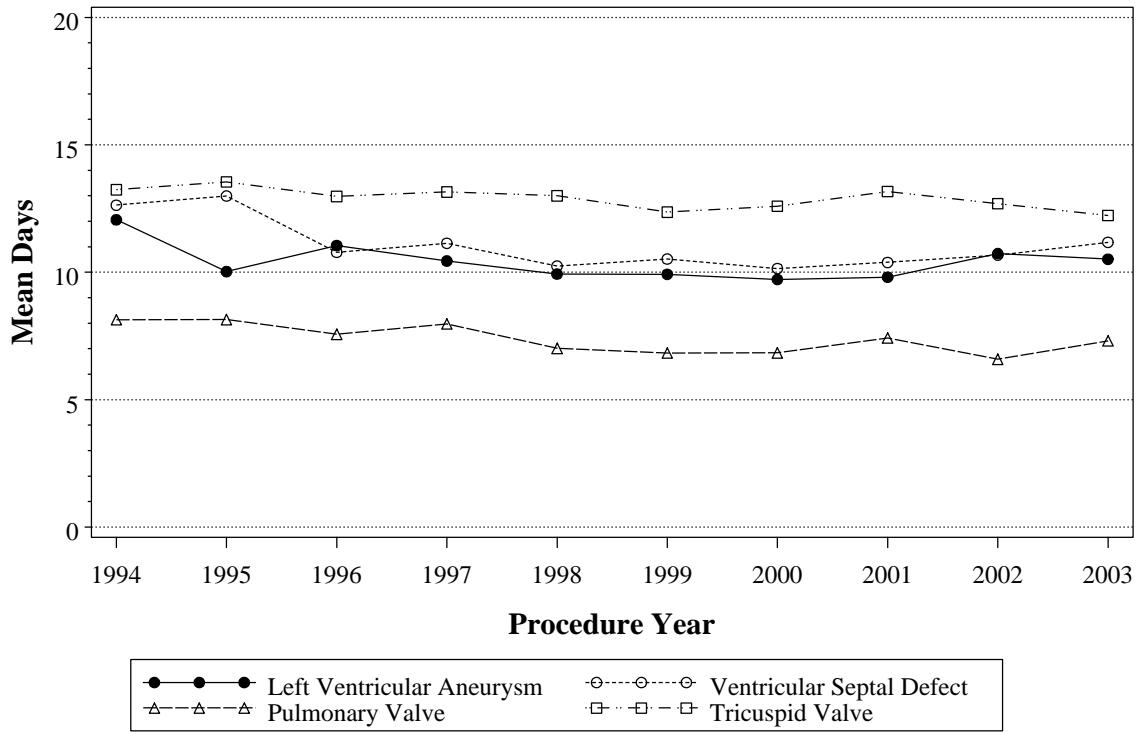


**Figure 16:**  
**Unadjusted Other Cardiac Operative Mortality**



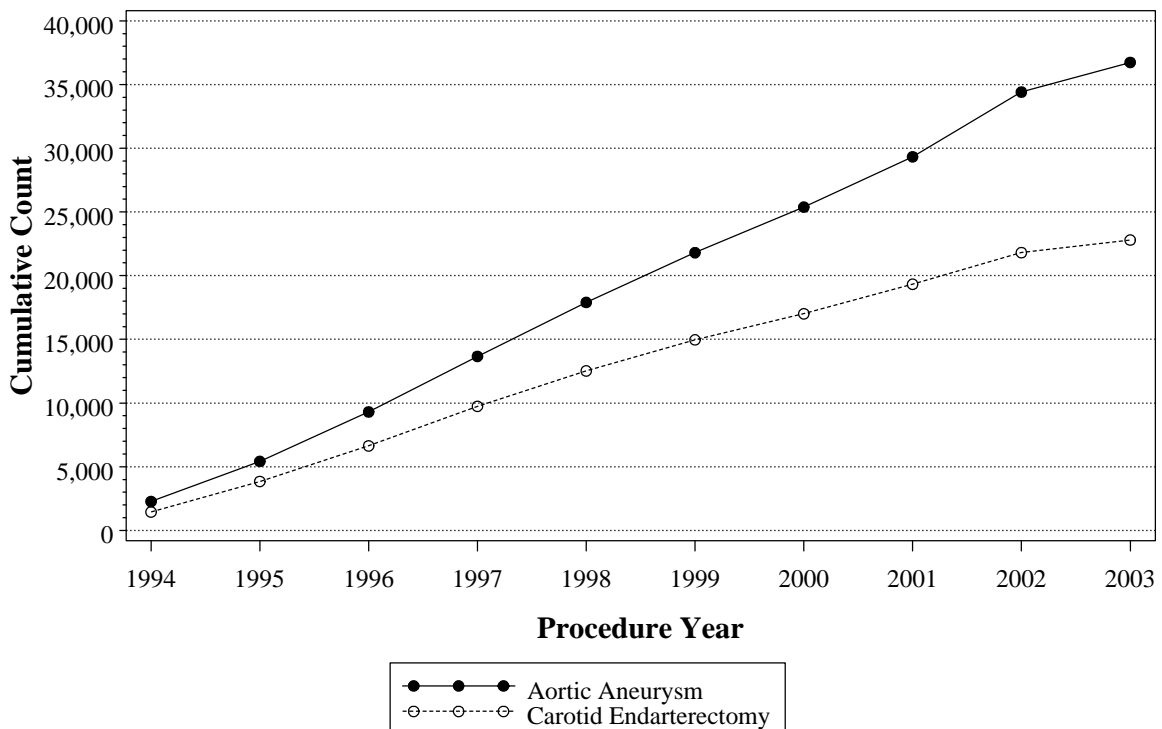
**Figure 17:**

**Mean Post-Procedure Length of Stay for Other Cardiac Procedures**



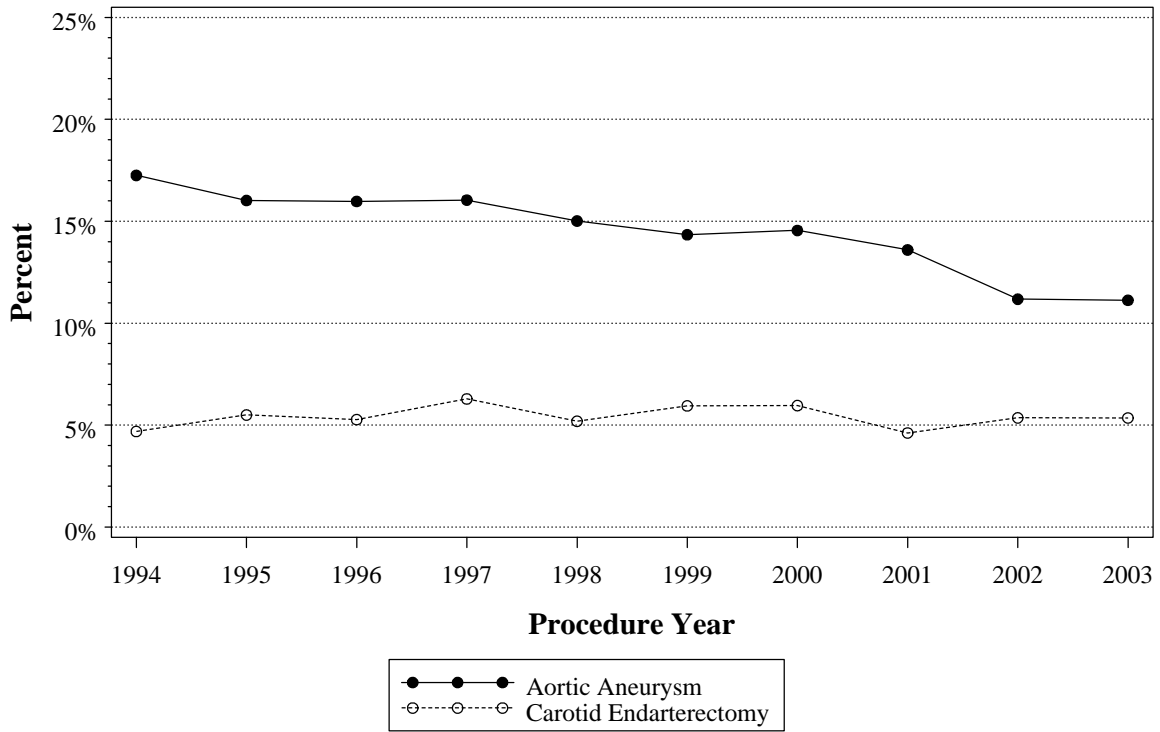
**Figure 18:**

**Number of Selected Other Non-Cardiac Procedures Performed Over Last 10 Years**



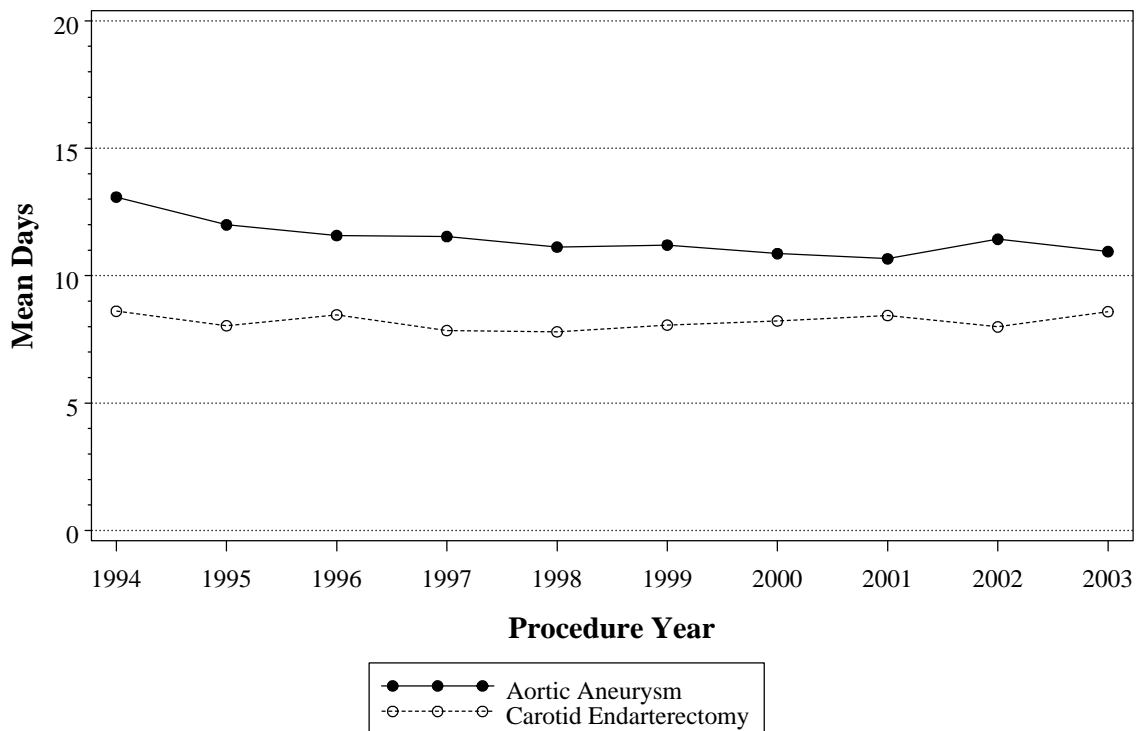
**Figure 19:**

### Unadjusted Other Non-Cardiac Operative Mortality



**Figure 20:**

### Mean Post-Procedure Length of Stay for Other Non-Cardiac Procedures



**Table 1:**

**The Society of Thoracic Surgeons  
National Adult Cardiac Surgery Database  
Jan 1994 to Jun 2003 Procedure Distribution**

	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
<b>Yearly Number of Sites in Analysis</b>	337	404	452	466	460	380	363	419	481	431
<b>Yearly Overall Procedure Count</b>	152,064	200,293	235,377	252,688	240,590	210,295	200,451	204,305	222,523	100,131
<b>Major Procedures</b>										
Isolated CAB	115,679	153,414	182,911	192,543	181,774	155,831	146,086	145,497	153,650	67,483
Isolated Aortic Valve Replace	6,367	7,836	8,969	9,932	10,108	9,108	9,025	9,602	11,062	5,251
Isolated Mitral Valve Replace	3,057	3,800	4,275	5,048	5,134	4,303	4,209	4,124	4,380	1,817
Aortic Valve Replace + CAB	5,707	7,552	9,212	10,444	10,908	10,045	9,921	10,361	11,751	5,506
Mitral Valve Replace + CAB	1,955	2,629	3,003	3,467	3,575	3,106	2,899	2,805	2,949	1,249
Aortic + Mitral Valve Replace	775	959	1,086	1,230	1,191	1,037	1,008	959	1,011	457
Mitral Valve Repair	982	1,256	1,586	2,234	2,262	2,086	2,331	2,750	3,659	1,690
Mitral Valve Repair + CAB	994	1,427	1,753	2,297	2,239	1,957	2,517	3,162	3,886	1,913
Not Classified Above	16,548	21,420	22,582	25,493	23,399	22,822	22,455	25,045	30,175	14,765
<b>Incidence of Other Procedures</b>										
Pulmonary Valve	147	199	373	461	543	529	449	463	486	217
Tricuspid Valve	909	1,292	1,410	1,880	1,751	1,666	1,787	2,272	3,158	1,695
LVA - Left Ventricular Aneurysm Repair	615	852	1,095	1,180	1,057	1,046	728	885	1,057	465
VSD - Ventricular Septal Defect Repair	335	476	518	576	525	547	409	422	455	204
ASD - Atrial Septal Defect Repair	971	1,354	1,601	1,934	1,852	2,005	1,921	2,121	2,373	1,013
Batista	1	7	11	69	30	182	8	20	5	5
Congenital Defect Repair	524	497	548	600	577	681	494	628	762	390
Transmyocardial Laser Revascularization	1	13	61	148	194	652	1,521	1,479	1,763	865
Cardiac Trauma	73	97	97	134	98	233	95	114	180	60
Cardiac Transplant	439	497	575	657	558	699	450	480	615	268
AICD - Automatic Implanted Cardioverter Defibrillator	1,087	993	583	604	330	363	215	208	288	132
Aortic Aneurysm	2,272	3,152	3,882	4,358	4,236	3,905	3,580	3,949	5,080	2,328
Carotid Endarterectomy	1,450	2,400	2,790	3,106	2,778	2,439	2,047	2,317	2,482	990
Other Vascular	1,146	1,505	1,692	1,624	1,372	1,347	1,124	1,374	1,399	580
Other Thoracic	1,463	1,752	1,939	1,915	1,541	1,529	1,383	1,655	1,858	751