



## Appendix A: Participant-Specific Data Quality Summary

Participant 88888  
STS Spring 2007 Report



### INTRODUCTION

This data in this appendix is specific to your participating organization. We provide this data quality information to help you interpret and assess the weight and reliability of your results and to help you target data review and cleanup efforts for future harvests to the warehouse. Addressing and correcting data quality issues will result in increased value and meaningfulness of future participant-specific reports.

### INCLUSION TIME PERIOD (First and Last Surgery Dates)

The first and last surgery dates found in the report for Participant 88888 for any record are:

**First Surgery**      **Last Surgery**  
January 2, 2004   to   December 29, 2006

### MISSING DATA

For all fields reported, the percentage of missing data is listed in the data summary table for each procedure. The graph at right displays the ten reported data fields that have a percentage missing or 0.1% or more for CAB risk model variables at your participating organization in the latest calendar year.

### Data Quality: CAB Model Variables

[No records with missing data present for 2006]

### MISSING DATA COLLECTION MONTHS

The table at right displays the months covered in this report for which no data from your organization is present at the warehouse. A review of this list can highlight incomplete data capture and/or data transfer problems.

Year	Months with no data
2004	[No missing months]
2005	[No missing months]
2006	[No missing months]



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### OUTLIER DATA

The STS Database Committee has developed thresholds for model-related data fields in order to highlight extreme participant-level values, known as outliers. The table below shows these thresholds along with your organization's value. Outliers are bolded.

Reported variable	Low Threshold	High Threshold	Your Value
Patient age, mean	55.0	75.0	65.5
Morbid obesity (BMI 40.0+)	-	10%	5.5%
Diabetes mellitus	15%	60%	38.6%
Hypertension	40%	95%	77.8%
Dyslipidemia	30%	95%	78.6%
Smoker	25%	80%	56.1%
Current smoker	5%	50%	18.1%
Congestive heart failure	0%	50%	13.6%
NYHA class IV	-	70%	20.7%
Peripheral vascular disease	3%	40%	14.8%
Cerebrovascular disease	1%	35%	11.7%
Cerebrovascular accident	0%	20%	6.6%
Creatinine, mean	0.5	2.0	1.1
Renal failure	0%	20%	7.6%
Dialysis-dependent	-	8%	1.2%
Immunosuppressive treatment	-	10%	1.4%
First reoperation	0%	20%	7.0%
Second+ reoperation	-	5%	0.4%
PCI <= 6 hours prior to surgery	-	5%	1.0%
Emergent	0%	20%	5.1%
Emergent/Salvage	-	4%	0.2%
MI	20%	75%	48.7%
Cardiogenic shock	-	8%	1.0%
Resuscitation	-	5%	0.8%
Triple vessel disease	40%	95%	79.9%
Left main disease (>50% stenosis)	5%	50%	33.3%
EF, mean	40.0	60.0	49.8
Pulmonary hypertension	-	30%	21.8%
Preop IABP	-	30%	9.4%
Outcome: Operative mortality	0%	15%	1.4%
Outcome: Combined mortality/morbidity	0%	40%	13.6%
Outcome: Any reoperation	0%	15%	4.1%
Outcome: Deep sternal wound infection	0%	5%	0.6%
Outcome: Permanent stroke	0%	6%	0.6%
Outcome: Prolonged ventilation	0%	30%	8.2%
Outcome: Renal failure	0%	15%	3.5%