

STS Measure 1- Prolonged Length of Stay following CABG

Title	Prolonged Length of Stay Following Coronary Artery Bypass Grafting (PLOS)										
Description	Percentage of patients aged 18 years and older undergoing isolated CABG with an inpatient postoperative length of stay of more than 14 days whether patient is alive or dead at discharge										
Denominator	Patients \geq 18 years of age undergoing isolated coronary artery bypass grafting surgery										
Denominator Time Window	12 months										
Numerator	Patients undergoing isolated CABG with an inpatient postoperative length of stay of more than 14 days										
Exclusions	NA										
Priority	High										
Meaningful Measure Area	Admissions and Readmissions to Hospitals										
NQS Domain	Efficiency and Cost Reduction										
Care Setting/ Telehealth Eligible	Hospital No										
Performance rates	1										
Traditional or Inverse	Inverse										
Type	Proportional										
Risk Adjusted	Yes										
Rationale	There is increased resource utilization and cost incurred for patients experiencing prolonged length of stay following isolated CABG surgery. Analyzing the percentage of patients in this group will enable surgeons to identify patients at risk for prolonged length of stay and examine possible ways to mitigate risk, such as patient selection, timing of surgery, and optimal preoperative management.										
Evidence	<p>Post-Procedure Length of Stay (days) in calendar year 2013</p> <table> <tr> <td>Mean</td> <td>6.8</td> </tr> <tr> <td>Median</td> <td>6.0</td> </tr> <tr> <td>25th Percentile</td> <td>4.0</td> </tr> <tr> <td>75th Percentile</td> <td>7.0</td> </tr> <tr> <td>PLOS >14 days</td> <td>4.9%</td> </tr> </table> <p><u>Details regarding the risk models are provided in the following publication:</u></p> <p>Shahian DM, O'Brien SM, Filardo G, Ferraris VA, Haan CK, Rich JB, Normand SL, DeLong ER, Shewan CM, Dokholyan RS, Peterson ED, Edwards FH, Anderson RP. The Society of Thoracic Surgeons 2008 cardiac surgery risk models: part 1--coronary artery bypass grafting surgery. <i>Ann Thorac Surg.</i> 2009 Jul;88(1 Suppl):S2-22.</p>	Mean	6.8	Median	6.0	25th Percentile	4.0	75th Percentile	7.0	PLOS >14 days	4.9%
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