

## COAP Quality Metrics: Cardiac Surgery

Level	Outcome		Definition
I	Operative Mortality	CABG	All in-hospital deaths, even if after 30 days post surgery, and all deaths occurring after discharge but before the end of the 30 <sup>th</sup> postoperative day
		Valves	
		Combos	
I	Post-Operative Stroke		Postoperative stroke, defined as any confirmed neurological deficit of abrupt onset caused by a disturbance in blood supply to the brain, that did not resolve within 24 hours
	New Onset Renal Failure		Acute renal failure or worsening renal function resulting in ONE or BOTH of the following: 1) Increase in serum creatinine level 3.0 x greater than baseline, or serum creatinine level $\geq 4$ mg/dL. Acute rise must be at least 0.5 mg/dL. 2) New requirement for dialysis
II	Deep Sternal Wound Infection		Within 30 days postoperatively, patient had a deep sternal infection involving muscle, bone, and/or mediastinum <i>requiring operative intervention</i>
	Cardiac Related Reoperation		Return to OR for bleeding/tamponade, graft occlusion, valvular dysfunction, or other cardiac
	Early Extubation		Initial vent hours <6
	RBC Transfusion		Any intra- or post-op RBC units
	Multi-Arterial Grafting		Percentage of Isolated CABs with more than one arterial conduit used (Radial, LIMA, RIMA)
	30 Day Readmission		Readmission to an acute care facility as an in-patient within 30 days from the date of initial surgery for ANY reason
III	Long Length of Stay		LOS surgery – discharge >14 days
	LIMA Use		Left IMA used
	Prolonged Ventilation – Risk Adjusted		Postop vent hours >24; vent time includes OR exit until extubation plus any additional hours following reintubation
	Short Length of Stay – Risk Adjusted		LOS surgery – discharge <6 days
	Mitral Valve Repair		Rate of mitral valve repairs vs replacements in patients with degenerative mitral regurgitation
	Cardiac Rehab Participation		Proportion of patients who participated in 1 or more cardiac rehab session following discharge
	Failure to Rescue		Proportion of patients with operative mortality following any complication
	Substance Use Screening & Counseling		Indicate if substance use screening and appropriate counseling was performed. Patients require screening on tobacco use, alcohol use, and illicit/non-prescription drug use. Patient must be screened for all three. If the patient screens positive for any listed substance use, appropriate counseling is required to choose yes for this field.
	Concomitant Afib Ablation/Management		Proportion of patients with Afib pre-surgery where Atrial Fibrillation Procedure Performed=Yes AND there's an Other Card-Left Atrial Appendage Obliteration entry AND/OR Left Atrial Appendage Amputation entry