



2.61 (Jan 2008-June 2011)	1.64	0.99	2.73	1.68	1.01	2.81
2.73 (July 2011-June 2014)	1.64	0.99	2.71	1.54	0.93	2.56
2.81 (July 2014-May 2017)	0.99	0.54	1.82	0.79	0.42	1.47
ASA Physical Status	-	-	-	-	-	-
<b>Intraoperative Characteristics</b>						
Perfusion Time, hours	1.90	1.50	2.41	1.86	1.46	2.37
Aortic Crossclamp Time, hours	0.80	0.60	1.07	0.81	0.61	1.08
Anesthesia Duration, hours	1.02	1.00	1.04	1.02	1.00	1.04
Anesthesia Provider *****	-	-	-	-	-	-
Intraoperative Albuterol	1.96	0.90	4.28	1.98	0.91	4.34
Intraoperative Diuretic *****	-	-	-	-	-	-
Intraoperative Vasopressor infusion (phenylephrine, norepinephrine, vasopressin)	-	-	-	-	-	-
Intraoperative Inotrope infusion (epinephrine, dobutamine, milrinone, isoproterenol, dopamine)	1.53	1.19	1.97	1.49	1.16	1.92
Total intraoperative opioid, oral morphine equivalents	NI	NI	NI	NI	NI	NI
Total intraoperative crystalloid, L	1.06	1.01	1.12	1.06	1.00	1.11
Total intraoperative colloid, L	1.16	0.88	1.53	1.16	0.88	1.54
Intraoperative Transfusion *****	1.20	0.92	1.56	1.19	0.92	1.56
Total urine output, L	0.89	0.80	0.99	0.89	0.80	0.99
Median SpO <sub>2</sub> , %	0.89	0.79	0.99	0.89	0.80	1.00
Median Inspired FiO <sub>2</sub> , %	1.00	0.99	1.01	1.00	0.99	1.01
<b>Summary</b>						
Overall Model Performance, c-statistic (95% CI)	0.80 (0.78, 0.82)			0.80 (0.78, 0.82)		
Akaike Information Criterion (AIC)	2554.42			2549.39		

ASA = American Society of Anesthesiologists; CABG = coronary artery bypass graft; CI = confidence interval; CPB= cardiopulmonary bypass; FiO<sub>2</sub> = fraction of inspired oxygen; LPV = lung-protective ventilation; PA = pulmonary artery; STS = Society of Thoracic Surgeons

Study exposure variables presented in ***bold/italic***.

† Defined as intraoperative median values of: tidal volume <8 mL/kg predicted body weight, positive end-expiratory pressure ≥ 5 cm H<sub>2</sub>O, and driving pressure <16 cm H<sub>2</sub>O

\* Defined by chronic lung disease ≥ moderate or bronchodilator therapy within STS; or chronic obstructive pulmonary disease ≥ moderate on preoperative anesthesia history & physical

\*\* Defined by functional capacity – Low (≤4 metabolic equivalents of task) on preoperative anesthesia history & physical

\*\*\* Defined via STS as a history of any of the following: atrial fibrillation, atrial flutter, 3<sup>rd</sup> degree heart block, ventricular fibrillation, ventricular tachycardia

\*\*\*\* Calculated using the Chronic Kidney Disease – Epidemiology Collaboration equation; a unit increase defined as a 10 mL/min/1.73 m<sup>2</sup> (e.g. increase from 50 to 60 mL/min/1.73 m<sup>2</sup> defined as one unit)

\*\*\*\*\* Defined as the frequency of primary anesthesiology attending using a bundled LPV strategy, as a proportion of all cardiac cases performed by the anesthesiology attending among the study population, transformed into tertiles.

\*\*\*\*\* Defined as intraoperative administration of furosemide, bumetanide, or mannitol

\*\*\*\*\* Including any of the following: packed red blood cells, red blood cell salvage, fresh frozen plasma, platelets, or cryoprecipitate

Variables indicated by 'NI' were not included in the multivariable least absolute shrinkage and selection operator model.

Variables indicated by '-' were not selected by the least absolute shrinkage and selection operator model.