

Cost Avoidance Using the Argos Cardiac Output Monitor

Incidence of Acute Kidney Injury (AKI)



Goal-Directed Therapy guided by cardiac output monitors in patients after cardiac surgery is associated with **reduction in the incidence of AKI**³

	Cost Assumptions	Annual Cost of AKI	Cost Avoidance
Current Standard	\$11,000 in excess costs per AKI ⁴	\$3.22MM*	\$0
Goal-Directed Therapy	\$11,000 in excess costs per AKI ⁴	\$1.75MM**	\$1.47MM
	Estimated Savings per Treated Patient		\$1,474

*Based on 1000 cardiac surgery patients per year with a 29.3% AKI incidence rate

**13.4 % absolute reduction in AKI using goal-directed therapy with cardiac output monitoring⁴

The consistent accuracy of the **Argos Cardiac Output Monitor** can guide care to help reduce the incidence of AKI. The Argos setup takes less than one minute and *does not require the use of costly consumables*. Therefore, **per patient savings can be maximized**.

1. Lei VJ *et al.* Risk Stratification for Postoperative Acute Kidney Injury in Major Noncardiac Surgery Using Preoperative and Intraoperative Data. *JAMA Network Open*. 2019;2(12)
 2. Jin J *et al.* Postoperative diastolic perfusion pressure is associated with the development of acute kidney injury in patients after cardiac surgery: a retrospective analysis. *BMC Nephrology* (2019) 20:458
 3. Thomson R, *et al.* Goal-directed therapy after cardiac surgery and the incidence of acute kidney injury. *J Crit Care*. 2014 Dec;29(6):997-1000.
 4. Silver SA, Chertow GM. The Economic Consequences of Acute Kidney Injury. *Nephron*. 2017;137(4):297-301. doi: 10.1159/000475607. Epub 2017 Jun 9. PMID: 28595193; PMCID: PMC5743773.