



www.BrundageGroup.com

Patient Safety Indicator (PSI 10)

Our government (AHRQ) is tracking Patient Safety Indicators to track quality. This PSI highlights the need to document the diagnosis of ARF as POA if at all possible.

Remember to document possible/probable, likely/suspected if unsure at the time of admission.

If your patient develops ARF at any time during their hospitalization, this should be documented to accurately reflect your patient's SOI.

New onset Acute Kidney Failure which occurs after an elective surgery that requires dialysis.

Exclusions:

Acute Kidney Failure as the Principal Diagnosis

Acute kidney Failure documented to be present on admission (POA)

Surgeons:

Document effectively to capture AKI on admission

Acute Renal Failure / Acute Kidney Injury (AKI)

DEFINITION:

Increase in SCr by ≥ 0.3 mg/dl (≥ 26.5 $\mu\text{mol/l}$) within 48 hours

OR

Increase in SCr to ≥ 1.5 times baseline, which is known or presumed to have occurred within the prior 7 days

OR

Urine volume < 0.5 ml/kg/h for 6 hours

If this condition develops after surgery, it only counts against PSI #10 if patient needs dialysis.



www.BrundageGroup.com

Patient Safety Indicator 10 (PSI 10)
Postoperative Acute Kidney Injury Requiring Dialysis

October 2016

DESCRIPTION

Postoperative acute kidney failure requiring dialysis per 1,000 elective surgical discharges for patients ages 18 years and older.
Excludes cases with principal diagnosis of acute kidney failure; cases with secondary diagnosis of acute kidney failure present on admission; cases with secondary diagnosis of acute kidney failure and dialysis or a dialysis access procedure before or on the same day as the first operating room procedure; cases with acute kidney failure and cardiac arrhythmia, cardiac arrest, shock, urinary tract obstruction or chronic kidney failure; and obstetric cases.

References:

https://www.qualityindicators.ahrq.gov/Downloads/Modules/PSI/V60-ICD09/TechSpecs/PSI_10_Postoperative_Acute_Kidney_Injury_Requiring_Dialysis.pdf
http://www.kdigo.org/clinical_practice_guidelines/pdf/KDIGO%20AKI%20Guideline.pdf