

SUPPLEMENTAL MATERIAL

WEB TABLE 1. Billing codes for acute kidney injury, chronic kidney disease, dialysis, and transplant used to stratify hospitalizations

Kidney disease classification	Description	ICD-9-code	ICD-10-code
AKI	Acute kidney injury	584.x	N17.x
CKD	Chronic glomerulonephritis	582	N03
CKD	Nephritis and nephropathy	583	
CKD	Chronic kidney disease	585, 585.x where $x \geq 3$	N18, N18.x where $x \geq 3$
CKD	Renal failure	586	N19
CKD	Renal sclerosis	587	N26
CKD	Disorders resulting from impaired renal function	588	N25
CKD	Hypertensive chronic kidney disease	403	I12
CKD	Hypertensive heart and kidney disease	404	I13
CKD	Unspecified disorder of the kidney and ureter	593.9	
CKD	Diabetes with renal complications	250.4	E10.2, E11.2, E13.2
Transplant	Kidney replaced by transplant	V42.0	Z94.0
Transplant	Transplant of kidney	55.6	
Transplant	Complications of transplanted kidney	996.81	
Dialysis	Renal dialysis status	V45.1	Z99.2
Dialysis	Admission for dialysis treatment or session	V56	Z49
Dialysis	Hemodialysis	39.95	
Dialysis	Peritoneal dialysis	54.98	
Dialysis	Encounter for adjustment and management of vascular access device		Z45.2

WEB TABLE 2. Categorization of AKI/ in-hospital death by serum creatinine criteria (≥ 0.3 mg/dL increase in serum creatinine over 48 hours, or $\geq 50\%$ increase in serum creatinine from baseline, or ≥ 0.5 mg/dL increase from baseline if peak serum creatinine ≥ 4 mg/dL) and urine output criteria (< 20 ml/hour x 24 hours)†

		Urine Output Criteria	
		AKI	No AKI
Serum Creatinine Criteria	AKI	N=110 Death=30.0%	N=237 Death=13.5%
	No AKI	N=262 Death=5.0%	N=1230 Death=2.1%

Kappa = 0.14, $p < 0.001$

†Electronic medical record sample