

Supplemental Material

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Supplemental Table 1: Hierarchy for determining baseline reference creatinine.

	Creatinine values available prior to admission	Reference creatinine
Preference 1	3 or more outpatient values available in 365 days prior to admission (PTA)	Mean of all outpatient creatinine values
Preference 2	2 outpatient values available in 365 days PTA + some prior inpatient values	Mean of 2 outpatient values and lowest inpatient creatinine from prior admissions
Preference 3	1 or fewer outpatient creatinine values in 365 days PTA but more outpatient values available within 18 months PTA	Mean of any outpatient creatinine values available in 18 months prior to admission
Preference 4	No outpatient creatinine values in 18 months PTA but patient had prior inpatient admissions	Mean of 3 lowest inpatient creatinine values over the past 18 months
Preference 5	No prior inpatient or outpatient creatinine available	Creatinine at admission or as determined by nephrologist

Supplemental Table 2. Comparison of groups before and after propensity score matching

Original Cohort			
	Non-participants	Participants	Standardized Mean Difference
	400	52	
Age	63.60 (17.05)	63.42 (14.39)	0.011
Length of stay	12.89 (12.41)	10.06 (7.37)	0.277
Charlson comorbidity index	5.93 (3.82)	5.69 (4.08)	0.06
Discharge eGFR	53.95 (34.74)	32.22 (25.39)	0.714
Gender = Male n (%)	216 (54.0)	30 (57.7)	0.074
Race= White n (%)	384 (96.0)	52 (100.0)	0.289
Admissions in prior year n (%)	6 (1.5)	1 (1.9)	0.033
Discharge disposition n (%)			
Home	187 (46.8)	40 (76.9)	
Rehab	32 (8.0)	4 (7.7)	0.77
SNF	134 (33.5)	8 (15.4)	
Dialysis as inpatient n (%)	36 (9.0)	6 (11.5)	0.084
CHF diagnosis n (%)	123 (30.8)	10 (19.2)	0.268
ICU stay n (%)	205 (51.2)	17 (32.7)	0.383
AKI stage= stage 3 n (%)	131 (32.8)	44 (84.6)	1.239
After propensity score matching			
	Non-participants	Participants	Standardized Mean Difference
	45	45	
Age	62.76 (15.41)	63.69 (14.99)	0.061
Length of stay	11.93 (9.34)	10.53 (7.77)	0.163
Charlson comorbidity index	5.58 (3.35)	5.89 (4.33)	0.08
Discharge eGFR	37.93 (29.50)	35.01 (26.14)	0.105
Gender = Male n (%)	29 (64.4)	25 (55.6)	0.182
Race= White (%)	45 (100.0)	45 (100.0)	<0.001
Admissions in prior year (%)	0 (0.0)	1 (2.2)	0.213
Discharge disposition (%)			
Home	31 (68.9)	33 (73.3)	
Rehab	4 (8.9)	4 (8.9)	0.113
SNF	10 (22.2)	8 (17.8)	
Dialysis as inpatient n (%)	7 (15.6)	6 (13.3)	0.063
CHF diagnosis n (%)	5 (11.1)	9 (20.0)	0.247
ICU stay n (%)	18 (40.0)	17 (37.8)	0.046
AKI stage= stage 3 n (%)	39 (86.7)	37 (82.2)	0.123

All values indicate mean and standard deviation unless otherwise indicated

Supplemental Table 3. Rehospitalization and mortality outcomes of propensity score-matched AKI rehabilitation program participants and non-participants

Outcome	Participants N=45	Non-participants N= 45	p-value
30-day rehospitalization or mortality	8 (17.8%)	14 (31.1%)	0.22
30-day rehospitalization	7 (15.6%)	12 (26.7%)	0.30
30-day mortality	1 (2.2%)	2 (4.4%)	-
90-day rehospitalization or mortality	21 (46.7%)	26 (57.8%)	0.4
90-day rehospitalization	15 (33.3%)	17 (37.8%)	0.22
90-day mortality	3 (6.7%)	7 (15.6%)	0.31

Supplemental Table 4: Characteristics of stage 2 and stage 3 AKI patients in the AKI rehabilitation program

Characteristics	Stage 3 n = 44	Stage 2 n = 8
Age	61.6 (13.6)	73.5 (15.1)
Gender		
Female	16 (36%)	6 (75%)
Male	28 (64%)	2 (25%)
Race		
Caucasian	42 (95%)	8 (100%)
Hispanic	2 (5%)	
Length of stay	10.4 (7.5)	8.1 (6.5)
Discharge disposition		
Home	34 (77%)	6 (75%)
Acute rehab	4 (9%)	0 (0%)
SNF	6(14%)	2 (25%)
Charlson Comorbidity Index	4.9 (4.0)	6 (3.8)
Discharge eGFR	35.7 (25.9)	13.1 (7)
Inpatient dialysis/ CRRT	6 (14%)	0
ICU stay during admission	16 (36%)	1 (13%)
Type of admission		
Medical	25 (57%)	6 (75%)
Surgical	19 (43%)	2 (25%)
Outcomes		
30-day mortality	1 (2%)	0 (0%)
30-day rehospitalization	4 (9%)	3 (38%)
30-day mortality or rehospitalization	5 (11%)	3 (38%)
90-day mortality	3 (7%)	0 (0%)
90-day rehospitalization	11 (25%)	4 (50%)
90-day mortality or rehospitalization	12 (27%)	4 (50%)