

Supplemental Material

Supplementary Table 1. Adjusted Rate of Emergency Department Visits Leading to a Hospital Admission by Recipient Characteristics

Recipient Characteristic	Level (% of study population)	Adjusted Incident Rate Ratio	p-value**
Recipient age (years)	18-29 (8) 30-44 (25) 45-59 (36) 60+ (32)	0.98 (0.89, 1.07) 0.90 (0.84, 0.95) 0.90 (0.85, 0.95) - reference -	<0.001
Recipient gender*	Female (40) Male (60)	1.20 (1.15, 1.26) - reference -	<0.001
Recipient race	Black (19) Hispanic (23) Asian/Pacific Islander (8) Other (9) White (41)	1.16 (1.09, 1.23) 1.07 (1.00, 1.13) 0.90 (0.82, 0.99) 1.12 (1.03, 1.23) - reference -	<0.001
Primary Insurance	Medicare (65) Medicaid (5) Other (1) Private (29)	1.47 (1.39, 1.56) 1.77 (1.60, 1.95) 1.41 (1.10, 1.82) - reference -	<0.001
Discharge site	Other facility (2) Home health (19) Home/Routine (80)	1.35 (1.17, 1.55) 1.25 (1.18, 1.31) - reference -	<0.001
Median Income based on residential zip code*	Lowest income quartile (25) Second quartile (24) Third quartile (25) Highest income quartile (25)	1.01 (0.87, 1.17) 1.03 (0.97, 1.10) 0.99 (0.93, 1.06) - reference -	0.55
Depression	Yes (4) No (96)	1.06 (0.95, 1.17) - reference -	0.30
Hypertension	Yes (8) No (92)	1.10 (1.02, 1.20) - reference -	0.01
Diabetes (uncomplicated)	Yes (10) No (90)	1.10 (1.03, 1.19) - reference -	0.07
Diabetes (with complications)	Yes (19) No (81)	1.39 (1.32, 1.47) - reference -	<0.001
Congestive heart failure	Yes (5) No (95)	1.09 (0.99, 1.19) - reference -	0.07
Peripheral vascular disease	Yes (6) No (94)	1.28 (1.18, 1.38) - reference -	<0.001
Hypothyroidism	Yes (8) No (92)	1.02 (0.95, 1.10) - reference -	0.58
Liver disease	Yes (4) No (96)	1.02 (0.92, 1.13) - reference -	0.75
Arthritis	Yes (4) No (96)	1.09 (0.97, 1.22) - reference -	0.15
Coagulopathy	Yes (9) No (91)	1.14 (1.06, 1.22) - reference -	<0.001
Valve disease	Yes (5) No (95)	0.89 (0.80, 0.99) - reference -	0.03
Length of initial hospital stay (days)	1-4 days (30) 5-6 days (36) 7+ days (34)	- reference - 1.22 (1.15, 1.30) 1.57 (1.47, 1.66)	<0.001
Emergency department visit within one year prior to transplant	Yes - without admission (21) Yes - with admission (29) No (50)	1.41 (1.33, 1.49) 1.82 (1.73, 1.92) - reference -	<0.001
State of residence	California (47) Florida (25) New York (28)	0.83 (0.78, 0.88) 0.92 (0.87, 0.97) - reference -	0.004

Supplementary Table 2. Complexity Level for Primary Procedure Codes for ED Visits Not Requiring Admission following Discharge for Kidney Transplantation

Complexity Code (Description) for ED Visit	Frequency (%)
99281 (Limited / Minor Problem)	200 (3.4%)
99282 (Low/ Moderate Severity)	619 (10.6%)
99283 (Moderate Severity)	1792 (30.7%)
99284 (High / Urgent Severity)	2226 (38.2%)
99285 (High Severity & Threat)	828 (14.2%)
99291 (Critical Care Illness / Injured Patient)	169 (2.9%)