

**Table S3. Baseline Characteristics Associated with 30-Day Hospital Readmission or Death Prior to Readmission**

|   | Hospital Readmission<br>OR (95% CI) | Death without<br>Readmission<br>OR (95% CI) |
|---|-------------------------------------|---|
| Age, years  |                                     |   |
| 18 – 44   | 1.02 (0.95, 1.09)                   | 0.46 (0.34, 0.61)                           |
| 45 – 64   | Ref.                                | Ref.  |
| 65 – 74   | 1.07 (1.02, 1.13)                   | 1.91 (1.68, 2.18)                           |
| 75 – 84   | 1.11 (1.05, 1.18)                   | 3.11 (2.72, 3.54)                           |
| ≥ 85  | 1.08 (0.99, 1.18)                   | 3.86 (3.26, 4.56)                           |
| Male  | 0.92 (0.88, 0.95)                   | 0.96 (0.88, 1.05)                           |
| Race  |                                     |   |
| White   | Ref                                 | Ref   |
| Black   | 1.02 (0.97, 1.07)                   | 0.71 (0.63, 0.79)                           |
| Asian   | 0.81 (0.71, 0.93)                   | 0.56 (0.40, 0.77)                           |
| Other   | 0.84 (0.74, 0.96)                   | 0.44 (0.29, 0.68)                           |
| Hispanic Ethnicity                                | 0.86 (0.81, 0.91)                   | 0.59 (0.50, 0.70)                           |
| Medicare/Medicaid Dual Eligibility                | 1.11 (1.07, 1.16)                   | 0.98 (0.88, 1.08)                           |
| Region  |                                     |   |
| Northeast   | Ref                                 | Ref   |
| South   | 0.89 (0.84, 0.94)                   | 1.39 (1.23, 1.59)                           |
| Midwest   | 0.93 (0.88, 0.99)                   | 1.30 (1.13, 1.49)                           |
| West  | 0.86 (0.80, 0.92)                   | 1.24 (1.05, 1.45)                           |
| MDRD eGFR, per 5 ml/min/1.73m <sup>2</sup> higher | 1.07 (1.05, 1.08)                   | 1.09 (1.05, 1.13)                           |
| Albumin, g/dL                                     |                                     |   |
| < 2.5   | 1.16 (1.09, 1.25)                   | 1.24 (1.05, 1.46)                           |
| 2.5 – <3.0  | 1.12 (1.05, 1.20)                   | 1.17 (1.01, 1.35)                           |
| 3.0 – <3.5  | 1.10 (1.03, 1.16)                   | 1.13 (0.99, 1.29)                           |
| 3.5 – <4.0  | Ref                                 | Ref   |
| ≥ 4   | 0.98 (0.90, 1.07)                   | 1.02 (0.84, 1.23)                           |
| Initial Vascular Access Type                      |                                     |   |
| AVF   | Ref                                 | Ref   |
| Graft   | 1.10 (0.99, 1.23)                   | 0.91 (0.71, 1.18)                           |
| Dialysis Catheter                                 | 1.09 (1.02, 1.16)                   | 1.13 (0.98, 1.32)                           |
| Other   | 1.11 (0.93, 1.32)                   | 1.04 (0.69, 1.56)                           |

|  |                   |                   |
|--|-------------------|-------------------|
| BMI, kg/m <sup>2</sup>   |                   |                   |
| < 18.5   | 1.12 (1.01, 1.24) | 1.43 (1.17, 1.74) |
| 18.5 – <25   | 1.06 (1.01, 1.12) | 1.13 (1.01, 1.25) |
| 25 – <30   | Ref               | Ref               |
| ≥ 30   | 0.90 (0.85, 0.94) | 0.89 (0.79, 0.99) |
| Diabetes Mellitus  | 1.06 (1.01, 1.10) | 1.06 (0.97, 1.17) |
| Atherosclerotic Heart Disease  | 1.01 (0.97, 1.06) | 0.98 (0.89, 1.09) |
| Cerebrovascular Disease  | 0.97 (0.92, 1.03) | 1.07 (0.95, 1.21) |
| Peripheral Vascular Disease  | 1.05 (0.99, 1.11) | 1.17 (1.05, 1.31) |
| Heart Failure  | 1.08 (1.03, 1.12) | 1.24 (1.13, 1.35) |
| History of Amputation  | 1.01 (0.92, 1.11) | 0.99 (0.79, 1.24) |
| Hypertension   | 0.92 (0.87, 0.98) | 0.85 (0.75, 0.97) |
| Cancer   | 1.11 (1.03, 1.20) | 1.18 (1.03, 1.36) |
| COPD   | 1.14 (1.07, 1.21) | 0.97 (0.85, 1.10) |
| Inability to Ambulate or Transfer  | 1.13 (1.05, 1.22) | 1.30 (1.13, 1.49) |
| Current Tobacco Use  | 1.04 (0.97, 1.12) | 0.92 (0.75, 1.13) |
| Institutionalization at Dialysis Initiation  |                   |                   |
| None   | Ref               | Ref               |
| Assisted Living  | 0.94 (0.77, 1.16) | 1.13 (0.77, 1.65) |
| Nursing Home   | 1.03 (0.95, 1.10) | 1.43 (1.25, 1.64) |
| Other  | 0.86 (0.65, 1.14) | 1.34 (0.79, 2.27) |
| Nephrology Care Prior to Dialysis  |                   |                   |
| >12months  | Ref               | Ref               |
| 6-12 months  | 1.12 (1.06, 1.18) | 1.14 (1.01, 1.30) |
| < 6 months   | 1.13 (1.05, 1.21) | 1.15 (0.99, 1.35) |
| None   | 1.15 (1.09, 1.21) | 1.20 (1.06, 1.36) |
| Unknown  | 1.22 (1.14, 1.30) | 1.15 (0.99, 1.35) |
| COPD chronic obstructive pulmonary disease; MDRD eGFR Modification of Diet in Renal Disease estimated glomerular filtration rate |                   |                   |