

SUPPLEMENTAL MATERIAL

Table S1. Patient and Hospital Characteristics Included in the Propensity Score Matching.

Age	Blood loss anemia
Race	Iron deficiency anemia
Sex	Paralysis
Hypertension	Neurological disorders
Diabetes mellitus without complications	Hypothyroidism
Diabetes mellitus with complications	Liver disease
Prior Sternotomy	AIDS*
Chronic Pulmonary disease	Lymphoma
Atrial fibrillation\flutter	Deep Venous Thrombosis
Congestive heart failure	Metastatic disease
Chronic Anticoagulation	Solid tumors without metastasis
Coagulopathy	Collagen vascular disease
Conduction abnormality	Weight loss
Drug Abuse	Alcoholism
Smoking	Depression
Peripheral vascular disease	Drug abuse
Pulmonary hypertension	Psychosis
Obesity	Hospital teaching status
Coronary artery disease	Hospital Bed Size
Electrolyte abnormalities	Rural Location
Conduction abnormality	Region of the Hospital
Coronary artery disease	Primary Payer
Atrial fibrillation\flutter	Median Household Income

*Acquired immunodeficiency syndrome

Table S2. International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) Codes for Outcomes.

Outcome	Diagnostic or Procedure Codes
Intracranial Hemorrhage	ICD-9-CM (431, 432.9)
Craniotomy	ICD-9-CM (01.24, 01.25)
Blood Transfusion	CCS procedure (222)
Gastrointestinal Bleeding	ICD-9-CM (578 to 578.9), CCS procedure (153)
Acquired Pneumonia	CCS procedure (122)
Sepsis	ICD-9-CM (995.91, 996.64, 038, 995.92, 9993)
Urinary Tract infection	ICD-9-CM (5990, 5909)
Gastrostomy	ICD-9-CM (4311, 4319)
Mechanical Ventilation	ICD-9-CM (672)
Tracheostomy	ICD-9-CM (31.1 and 31.2x)

Table S3. Calculation of Annual AIS Incidence in the Dialysis and non-Dialysis Populations.

Calculation of Annual AIS Incidence in the Dialysis Population												
Calendar Year	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
US Dialysis Patients	44851 4	46703 8	48590 5	50663 3	52670 9	54775 0	57041 6	59265 6	61241 7	63391 2	65685 6	68032 0
US Dialysis Patients with AIS	6233	6079	5756	5622	5812	5538	5660	5450	5594	4975	4845	5330
Incidence of AIS per 100,000	1389.7	1301.6	1184.6	1109.7	1103.5	1011.0	992.3	919.6	913.4	784.8	737.6	783.5
Calculation of Annual AIS Incidence in the non-Dialysis Population												
Calendar Year	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Non-Dialysis U.S Population	29011 0000	29281 0000	29552 0000	29838 0000	30123 0000	30409 0000	30677 0000	30935 0000	31166 0000	31400 0000	31620 0000	31856 0000
Non-Dialysis U.S Population with AIS	38746 7	37370 1	35989 2	35922 5	35319 6	37627 4	35966 6	37822 3	39508 3	38244 0	38778 5	39964 0
Incidence of AIS per 100,000	133.6	127.6	121.8	120.4	117.3	123.7	117.2	122.3	126.8	121.8	122.6	125.5