

SUPPLEMENTARY DATA

Supplementary Table 1. *Organ failure and gastrointestinal bleeding codes*

Organ failure	Codes	Code Description
Cardiovascular	458.0	Hypotension, postural
	458.8	Hypotension, specified type, not elsewhere classified
	458.9	Hypotension, arterial, constitutional
	785.5	Shock
	785.51	Shock, cardiogenic
	785.59	Shock, circulatory or septic
	796.3	Hypotension, transient
Respiratory	518.81	Acute respiratory failure
	518.82	Acute respiratory distress syndrome (ARDS)
	518.85	ARDS after shock or trauma
	786.09	Respiratory insufficiency
	799.1	Respiratory arrest
	96.7 (96.71, 96.72)	Ventilator management
	96.04	Endotracheal intubation (emergency procedure)
	93.90	Continuous positive airway pressure
Renal	584.x	Acute renal failure
Hepatic	570	Acute hepatic failure or necrosis
	572.2	Hepatic encephalopathy
	573.3	Hepatitis (septic & not elsewhere classified)
	573.4	Hepatic infarction
Neurologic	293	Transient organic psychosis
	348.1	Anoxic brain injury
	348.3	Encephalopathy, acute
	780.01	Coma
	780.09	Altered consciousness, unspecified
	89.14	Electroencephalography
Hematologic	286.2	Disseminated intravascular coagulation
	286.6	Purpura fulminans
	286.9	Coagulopathy
	287.3-5	Thrombocytopenia, primary, secondary or unspecified
	790.92	Abnormal coagulation profile
Metabolic	276.2	Acidosis, metabolic or lactic
Gastrointestinal bleeding	531.x (exclude 531.3, 531.7, 531.9)	Gastric ulcer with bleeding
	532.x (exclude 532.3, 532.7, 532.9)	Duodenal ulcer with bleeding
	533.x (exclude 533.3, 533.7, 533.9)	Peptic ulcer with bleeding
	534.x (exclude 534.3, 534.7, 534.9)	Gastrojejunal ulcer with bleeding
	535.x1	Gastritis/duodenitis with bleeding
	578.0, 578.1, 578.9	Non-specific gastrointestinal bleeding

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Supplementary Table 2. Diseases and corresponding weights in the Charlson Co-morbidity Index (21,22)

Diseases	Weight
Myocardial infarct	1
Congestive heart failure	1
Peripheral vascular disease	1
Cerebrovascular disease	1
Dementia	1
Chronic pulmonary disease	1
Connective tissue disease	1
Ulcer disease	1
Mild liver disease	1
Diabetes	1
Diabetes with end-organ damage	2
Hemiplegia	2
Moderate or severe renal disease	2
Any tumor	2
Leukemia	2
Lymphoma	2
Moderate or severe liver disease	3
Metastatic solid tumor	6
Acquired immunodeficiency syndrome	6

Note: Because diabetes mellitus is a variable of primary interest in this study, diabetes with or without complications was not counted in the Charlson index.