

Table S1: ICD-9-CM codes for primary discharge diagnosis

Diagnosis	ICD-9-CM-codes
Infections and Access Issues	
Septicemia	038.0, 038.10, 038.11, 038.19, 038.2, 038.3, 038.40, 038.41, 038.42, 038.43, 038.44, 038.49, 038.8, 038.9
Bacteremia	790.7
Fungemia/Fungal endocarditis	112.5, 112.81, 115.04, 115.14, 114.94
Other blood stream infections	003.1, 020.2, 022.3, 036.2, 036.3, 098.89
Pneumonia	481, 482.XX, 483.X, 485, 486
Dialysis access complications	996.62, 996.68, 996.73
Cardiovascular diseases	
Acute coronary syndrome	410.XX, 411.XX
Congestive heart failure	398.91, 402.01, 402.11, 402.91, 404.01, 404.11, 404.91, 404.03, 404.13, 404.93, 428.XX
Fluid overload	276.6
Atrial fibrillation/flutter	427.3X
GI bleed	
Upper GI bleed	456.0, 456.2, 456.20, 531.0X, 531.2X, 531.4X, 531.6X, 532.0X, 532.2X, 532.4X, 532.6X, 533.0X, 533.2X, 533.4X, 533.6X, 534.0X, 534.2X, 534.4X, 534.6X, 530.7, 535.01, 535.11, 535.21, 535.41, 535.51, 535.61, 537.83, 537.84, 578.0, 578.1
Lower GI bleed	562.12, 562.13, 569.85, 569.3, 455.2, 455.5, 455.8 In addition patients with primary discharge codes indicative of a potential source of lower GI bleeding (009.X, 152.1, 152.2, 152.3, 152.8, 152.9, 153.X, 154.X, 230.1, 230.2, 230.3, 230.4, 230.5, 230.6, 230.7, 230.8, 230.9, 211.3, 211.4, 555.X, 556.X, 557.X, 558.X, 569.41, 569.82, 569.84, 747.61) when used with codes for hemorrhage of gastrointestinal tract unspecified (578.9) or acute posthemorrhagic anemia (285.1) were also included
Others	
Hyperkalemia	276.7
Hypertensive emergency	401.0, 402.0, 402.01, 403.0, 403.01, 404.0, 404.01, 404.03, 405.0, 405.01, 405.09