

Supplementary Table 1 ICD-9 codes used to generate the study data

Description	ICD-9-CM code/definition
Non-variceal upper gastrointestinal bleed:	
(a) Bleeding esophageal ulcer	530.21
(b) Mallory Weiss	530.7
(c) Bleeding peptic ulcer (gastric or duodenal)	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
(d) Gastritis/ duodenitis with hemorrhage	535.01, 535.11, 535.21, 535.31, 535.41, 535.51, 535.61, 535.71
(e) Angiodysplasia (stomach or duodenum) with hemorrhage	537.83, 569.85
(f) Dieulafoy's lesion of stomach or duodenum	569.86
Long-term anticoagulant use	58.61
Intensive care unit admission	96.70, 96.71, 96.72, 00.17