

Table S1. ICD procedure codes included in the definition of hemorrhage

ICD version	ICD code	ICD code definition
9	4995	Control of (postoperative) hemorrhage of anus
9	5793	Control of (postoperative) hemorrhage of bladder
9	6094	Control of (postoperative) hemorrhage of prostate
9	287	Control of hemorrhage after tonsillectomy and adenoidectomy
9	3941	Control of hemorrhage following vascular surgery
9	3998	Control of hemorrhage, not otherwise specified
9	4443	Endoscopic control of gastric or duodenal bleeding
9	4449	Other control of hemorrhage of stomach or duodenum
9	4444	Transcatheter embolization for gastric or duodenal bleeding
10	0W3F0ZZ	Control bleeding in abdominal wall, Open approach
10	0W3F3ZZ	Control bleeding in abdominal wall, Percutaneous approach
10	0W380ZZ	Control bleeding in chest wall, Open approach
10	0W384ZZ	Control bleeding in chest wall, Percutaneous endoscopic approach
10	0W310ZZ	Control bleeding in cranial cavity, Open approach
10	0W3P0ZZ	Control bleeding in gastrointestinal tract, Open approach
10	0W3P3ZZ	Control bleeding in gastrointestinal tract, Percutaneous approach
10	0W3P4ZZ	Control bleeding in gastrointestinal tract, Percutaneous endoscopic approach
10	0W3P7ZZ	Control bleeding in gastrointestinal tract, Via natural or artificial opening
10	0W3P8ZZ	Control bleeding in gastrointestinal tract, Via natural or artificial opening endoscopic
10	0W3R0ZZ	Control bleeding in genitourinary tract, Open approach
10	0W3R7ZZ	Control bleeding in genitourinary tract, Via natural or artificial opening
10	0W3R8ZZ	Control bleeding in genitourinary tract, Via natural or artificial opening endoscopic
10	0X354ZZ	Control bleeding in left axilla, Percutaneous endoscopic approach
10	0X3C0ZZ	Control bleeding in left elbow region, Open approach
10	0Y380ZZ	Control bleeding in left femoral region, Open approach
10	0Y383ZZ	Control bleeding in left femoral region, Percutaneous approach
10	0Y3G0ZZ	Control bleeding in left knee region, Open approach
10	0Y3J0ZZ	Control bleeding in left lower leg, Open approach
10	0W3B0ZZ	Control bleeding in left pleural cavity, Open approach
10	0W3B4ZZ	Control bleeding in left pleural cavity, Percutaneous endoscopic approach
10	0X393ZZ	Control bleeding in left upper arm, Percutaneous approach
10	0Y3D0ZZ	Control bleeding in left upper leg, Open approach
10	0W3L0ZZ	Control bleeding in lower back, Open approach
10	0W3C0ZZ	Control bleeding in mediastinum, Open approach
10	093K8ZZ	Control bleeding in nasal mucosa and soft tissue, Via natural or artificial opening endoscopic
10	0W360ZZ	Control bleeding in neck, Open approach
10	0W363ZZ	Control bleeding in neck, Percutaneous approach
10	0W3J0ZZ	Control bleeding in pelvic cavity, Open approach
10	0W3D0ZZ	Control bleeding in pericardial cavity, Open approach

Table S1. Continued

ICD version	ICD code	ICD code definition
10	0W3G0ZZ	Control bleeding in peritoneal cavity, Open approach
10	0W3G4ZZ	Control bleeding in peritoneal cavity, Percutaneous endoscopic approach
10	0W3Q0ZZ	Control bleeding in respiratory tract, Open approach
10	0W3Q7ZZ	Control bleeding in respiratory tract, Via natural or artificial opening
10	0W3Q8ZZ	Control bleeding in respiratory tract, Via natural or artificial opening endoscopic
10	0W3H0ZZ	Control bleeding in retroperitoneum, Open approach
10	0X340ZZ	Control bleeding in right axilla, Open approach
10	0Y370ZZ	Control bleeding in right femoral region, Open approach
10	0Y350ZZ	Control bleeding in right inguinal region, Open approach
10	0X3D0ZZ	Control bleeding in right lower arm, Open approach
10	0W390ZZ	Control bleeding in right pleural cavity, Open approach
10	0W394ZZ	Control bleeding in right pleural cavity, Percutaneous endoscopic approach
10	0Y3C0ZZ	Control bleeding in right upper leg, Open approach
10	0Y3C3ZZ	Control bleeding in right upper leg, Percutaneous approach

ICD: International Classification of Diseases.