

Supplemental table. Hospital acquired conditions defined by the Centers for Medicare and Medicaid Services (CMS) criteria

Hospital acquired conditions	CMS ICD-9CM criteria*
Surgical site infection (SSI), mediastinitis, after coronary artery bypass graft	519.2 with procedure codes 36.10-36.19
SSI after certain orthopedic procedures (spine, neck, shoulder, elbow)	996.67, 998.59 with procedure codes: 81.01-81.08, 81.23-81.24, 81.31-81.38, 81.83, or 81.85
SSI after bariatric surgery for obesity (laparoscopic gastric bypass, gastroenterostomy, laparoscopic gastric restrictive surgery)	278.01, 539.01, 539.81, 998.59 with procedure codes: 44.38, 44.39, 44.95
SSI after cardiac implantable electronic device	996.61, 998.59 with procedure codes: 00.50-00.54, 37.80-37.87, 37.04, 37.96, 37.98, 37.74-37.79, 37.89
Foreign object retained after surgery	998.4, 998.7
Catheter associated urinary tract infection	996.4
Vascular catheter associated infection	999.31-999.33
Deep vein thrombosis and pulmonary embolism after certain orthopedic procedures (total knee replacement, hip replacement)	415.11, 415.13, 415.19, 453.40-453.42 with procedure codes: 00.85-00.87, 81.51-81.52, 81.54
Falls and trauma	800-829, 830-839, 850-854, 925-929, 940-949, 991-994
Manifestations of poor glycemic control	250.10-250.13, 250.20-250.23, 251.0, 249.10-249.11, 249.20-249.21
Air embolism	999.1
Blood incompatibility	999.60-999.69
Pressure ulcers	707.23-707.24
Iatrogenic pneumothorax with venous catheterization	512.1 with procedure code: 38.93

*Hospital acquired conditions were identified using International Classification of Diseases, ninth edition, Clinical Modification (ICD-9CM) codes and verified with literature from CMS.