Fig. E-1

Mean length of hospital stay for primary and revision total hip arthroplasty (THA).

Fig. E-2

Rates of adverse outcomes occurring in the hospital or within ninety days after primary total hip arthroplasty, adjusted for patient demographics, comorbidities, and hospital clustering.
Fig. E-3

Rates of adverse outcomes occurring in the hospital or within ninety days after revision total hip arthroplasty, adjusted for patient demographics, comorbidities, and hospital clustering.

Fig. E-4

Readmission rate within ninety days after primary and revision total hip arthroplasty (THA), adjusted for patient demographics, comorbidities, and hospital clustering.
Appendix 1. ICD-9-CM Diagnostic and Procedure Codes Used for Identifying Outcomes

Pulmonary Embolism
   4151 Pulmonary embolism and infarction
      41511 Iatrogenic pulmonary embolism and infarction
      41519 Other

Deep Vein Thrombosis
   45111 Phlebitis and thrombophlebitis of femoral vein
   45119 Phlebitis and thrombophlebitis of other deep vessel of lower extremities
   45181 Phlebitis and thrombophlebitis of iliac vein
   4512 Phlebitis and thrombophlebitis of lower extremities, unspecified
   4519 Phlebitis and thrombophlebitis of unspecified site
   4531 Thrombophlebitis migrans
   4532 Embolism and thrombosis of vena cava
   4538 Embolism and thrombosis of other specified veins
   4539 Embolism and thrombosis of unspecified site
   45340 Venous embolism and thrombosis of unspecified deep vessels of lower extremity
   45341 Venous embolism and thrombosis of deep vessels of proximal lower extremity
   45342 Venous embolism and thrombosis of deep vessels of distal lower extremity

Hemorrhage
   99811 Hemorrhage complicating a procedure
   99812 Hematoma complicating a procedure
   3880 Other surgical occlusion of vessels (unspecified site)
   3881 Other surgical occlusion of vessels – intracranial
   3882 Other surgical occlusion of other vessels of head and neck
   3883 Other surgical occlusion of upper limb vessels
   3884 Other surgical occlusion of abdominal aorta
   3885 Other surgical occlusion of other thoracic vessel
   3888 Other surgical occlusion of lower limb arteries
   3889 Other surgical occlusion of lower limb veins
   3998 Control of hemorrhage, not otherwise specified
   8604 Other incision w/drainage of skin and subcutaneous tissue

Sepsis
   0380 Streptococcal septicemia
   0831 Staphylococcal septicemia
   03810 Staphylococcal septicemia, unspecified
   03811 Staphylococcus aureus septicemia
03819 Other staphylococcal septicemia
0382 Pneumococcal septicemia (Streptococcus pneumonia septicemia)
0383 Septicemia due to anaerobes
03840 Septicemia due to gram-negative organism, unspecified
03841 Septicemia due to Hemophilus influenzae
03842 Septicemia due to Escherichia coli
03843 Septicemia due to Pseudomonas
03844 Septicemia due to Serratia
03849 Septicemia due to other gram-negative organism
0388 Other specified septicemia
0389 Unspecified septicemia
99591 Systemic inflammatory response syndrome due to infectious process without organ dysfunction
99592 Systemic inflammatory response syndrome due to infectious process with organ dysfunction

Infection
71100 Pyogenic arthritis, site unspecified
71105 Pyogenic arthritis, pelvic region and thigh
71103 Pyogenic arthritis, lower leg
71160 Arthropathy associated with mycoses, site unspecified
71165 Arthropathy associated with mycoses, pelvis and thigh
71166 Arthropathy associated with mycoses, lower leg
71190 Unspecified infective arthritis, site unspecified
71195 Unspecified infective arthritis, pelvis and thigh
71196 Unspecified infective arthritis, lower leg
73000 Acute osteomyelitis, site unspecified
73005 Acute osteomyelitis, pelvic region and thigh
73006 Acute osteomyelitis, lower leg
73010 Chronic osteomyelitis, site unspecified
73015 Chronic osteomyelitis, pelvic region and thigh
73016 Chronic osteomyelitis, lower leg
73020 Unspecified osteomyelitis, site unspecified
73025 Unspecified osteomyelitis, pelvic region and thigh
73026 Unspecified osteomyelitis, lower leg
73090 Unspecified infection of bone, site unspecified
73095 Unspecified infection of bone, pelvic region and thigh
73096 Unspecified infection of bone, lower leg
99660 Infection and inflammatory reaction due to unspecified device/implant/graft
99666 Infection and inflammatory reaction due to internal joint prosthesis
99667 Infection and inflammatory reaction due to other internal orthopedic device/implant/graft
7300 Acute osteomyelitis
7301 Chronic osteomyelitis

Myocardial Infarction
410 Acute myocardial infarction
412 Old myocardial infarction