

## SUPPLEMENTAL TABLES

<b>Table S1: Diagnosis of Septic Arthritis</b>	
<b><u>Clinical Diagnosis</u></b>	<b><u>ICD-9 code</u></b>
Pyogenic Arthritis	711.00-711.09
Unspecified infective arthritis	711.90-711.99
Salmonella arthritis	003.23
Gonococcal arthritis	098.50
Meningococcal arthritis	036.82
Infection of prosthetic joint	996.66
Infection of orthopedic device implant	996.67

<b>Table S2: Specific Organisms Isolated</b>	
<b><u>Organism(s)</u></b>	<b><u>ICD-9 code</u></b>
<i>Streptococcus sp.</i>	041.00-041.05; 041.09
<i>Staphylococcus sp.</i> (excluding MRSA)	041.10; 041.11; 041.19
Methicillin-resistant <i>S. aureus</i> (MRSA)	041.12
<i>Pneumococcus</i>	041.2
Gram-negative organisms	041.3; 041.41-041.43; 041.49; 041.5; 041.6; 041.7; 041.85
Anaerobic organisms	041.82-041.84
<i>Mycoplasma</i>	041.81

<b>Table S3: Risk Factors</b>	
<b>Clinical Event</b>	<b>ICD-9/CPT-4 code</b>
Gouty arthropathy	ICD-9: 274.00-274.03; 274.89; 274.9
Rheumatoid arthritis	ICD-9: 714.0; 714.2; 714.30-714.33
Hemarthrosis	ICD-9: 719.10-719.19
Other arthropathy	ICD-9: 716.10-716.19 (traumatic); 716.20-716.29 (allergic); 716.30-716.39 (climacteric); 716.40-716.49 (transient); 716.50-716.59 (unspecified polyarthropathy); 716.60-716.69 (unspecified monoarthritis); 716.80-716.89 (other specified arthropathy); 716.90-716.99 (unspecified); 696.0 (psoriatic); 715.00, 715.04, 715.09, 715.10-715.18, 715.20-715.28, 715.30-715.38, 715.89, 715.90-715.98 (osteoarthrosis); 712.90-712.99 (crystal arthropathy); 713.0 (endocrine/metabolic disorder); 713.1 (GI condition other than infection); 713.2 (hematological disorder); 713.3 (dermatological disorder); 713.4 (respiratory disorder); 713.5 (neurological disorder); 713.6 (hypersensitivity disorder); 713.8 (other conditions); 714.4 (chronic postrheumatic); 726.0 (chronic capsulitis)
Joint Prosthesis	ICD-9: V43.60-V43.66, V43.69 CPT-4: 23470, 23472; 24360, 24361, 24362, 24363, 24365, 24366; 25441, 25442, 25443, 25444, 25445, 25446, 25447; 26530, 26531, 26535, 26536; 27125, 27130, 27132, 27136; 27438, 27446, 27447; 27702, 27703
HIV	ICD-9: 042; 079.53 (HIV-2); 795.71 (non-specific serologic evidence of HIV)
Hepatitis C virus	ICD-9: 70.41; 70.44; 70.51; 70.54; 70.70; 70.71
Cirrhosis	ICD-9: 571.2 (alcoholic); 571.5 (non-alcoholic); 571.6 (biliary)

Select autoimmune conditions	ICD-9: 710.0 (SLE); 695.4 (lupus erythematosus); 571.42 (autoimmune hepatitis); 136.1 (Behcet's disease); 556.8, 556.9 (ulcerative colitis); 446.4 (Wegner's granulomatosis); 446.00 (Polyarteritis nodosa)
Bacteremia	ICD-9: 790.7
Urinary tract infection	ICD-9: 599.0
Diabetes mellitus	ICD-9: 249.00, 249.01; 249.10, 249.11; 249.20, 249.21; 249.30, 249.31; 249.40, 249.41; 249.50, 249.51; 249.60, 249.61; 249.70, 249.71; 249.80, 249.81; 249.90, 249.91; 250.00-250.03; 250.10-250.13; 250.20-250.23; 250.30-250.33; 250.40-250.43; 250.50-250.53; 250.60-250.63; 250.70-250.73; 250.80-250.83; 250.90-250.93

<b>Table S4: Selected sequelae of septic arthritis</b>	
<b><u>Clinical Event</u></b>	<b><u>ICD-9 Code</u></b>
Bacteremia	790.7
<i>Clostridioides difficile</i> infection	008.45
Amputation	V49.60-V49.67, V49.70-V49.77
Joint Prosthesis	V43.60-V43.66, V43.69, V54.81, V54.82, V54.89, V54.9