

Appendix 1. Infection-related Diagnoses for qSOFA study

Abdominal abscess [262572]

Abscess [158252]

Abscess and cellulitis [416832]

Abscess of abdominal cavity [262855]

Abscess of anal and rectal regions [566.ICD-9-CM]

Abscess of chest wall [134020]

Abscess of foot [218526]

Abscess of lower extremity [937517]

Abscess, neck [328333]

Acalculous cholecystitis [141514]

Acute abdomen [158147]

Acute appendicitis [208462]

Acute chest syndrome [929616]

Acute cholangitis [141611]

Acute cholecystitis [575.0.ICD-9-CM]

Acute diverticulitis [938817]

Acute hepatitis [196142]

Acute kidney failure [166943]

Acute kidney injury [373818]

Acute kidney insufficiency [254367]

Acute pyelonephritis [208464]

Acute renal failure (ARF) [326813]

Acute respiratory failure [518.81.ICD-9-CM]

Acute URI [135857]

AIDS [153671]

AKI (acute kidney injury) [357193]

Altered mental state [271685]

Altered mental status [780.97.ICD-9-CM]

Altered mental status, unspecified altered mental status type
[1283912]

Appendicitis [185778]

Appendicitis with abscess [251859]

Appendicitis with perforation [141173]

Appendicitis, acute [175760]

ARF (acute renal failure) [204386]

Aspiration into airway [1005371]

Aspiration pneumonia [170901]

Bacteremia [790.7.ICD-9-CM]

Bacteremia associated with intravascular line [424193]

Bacteremia associated with intravascular line, initial encounter [660397]
Bacteremia due to Gram-negative bacteria [423620]
Bacteremia due to Staphylococcus [458206]
Brain abscess [160190]
C. difficile colitis [367005]
C. difficile diarrhea [279312]
CAP (community acquired pneumonia) [300768]
Cellulitis [160627]
Cellulitis and abscess [205643]
Cellulitis and abscess of face [682.0.ICD-9-CM]
Cellulitis and abscess of hand [205639]
Cellulitis and abscess of leg [205640]
Cellulitis diffuse, face [220721]
Cellulitis of abdominal wall [134064]
Cellulitis of arm [200329]
Cellulitis of foot [200331]
Cellulitis of groin [134068]
Cellulitis of hand [134076]
Cellulitis of left leg [365867]
Cellulitis of left thigh [468327]
Cellulitis of left upper extremity [406187]
Cellulitis of scrotum [143828]
Cellulitis, scrotum [220731]
Cellulitis, wound, post-operative [358328]
Change in mental state [271684]
Change in mental status [330715]
Cholangiolitis [160916]
Cholangitis [576.1.ICD-9-CM]
Cholecystitis [160931]
CNS infection [319317]
Community acquired pneumonia [250436]
Complicated UTI (urinary tract infection) [449272]
Confusion [161328]
Cough [786.2.ICD-9-CM]
Decubitus ulcer of sacral area [421434]
Dehiscence of closure of skin [305083]
Dental abscess [140266]
Dental infection [360222]
Diabetic foot infection [442703]
Disseminated zoster [312684]

Diverticulitis [162311]
Diverticulitis of colon with perforation [301300]
Diverticulitis of intestine with perforation [1103109]
Dyspnea [265863]
Elevated lactic acid level [425475]
Elevated WBC count [302484]
Emphysematous cholecystitis [189683]
Empyema [208785]
Empyema of lung [162783]
Endocarditis [162907]
Endophthalmitis [162959]
Epidural abscess (embolic) of spinal cord [188984]
Epidural abscess [146286]
Eye infection, left [835269]
Facial abscess [223480]
Facial cellulitis [439660]
Facial fracture [351940]
Facial swelling [255099]
Fever [304118]
Fever and neutropenia [373866]
Fever of unknown origin [304839]
Fever, unknown origin [304842]
Foot infection [283273]
Foot ulcer, left [351897]
Foot ulcer, right [351895]
Fournier's gangrene of scrotum [457135]
Free intraperitoneal air [724026]
FUO (fever of unknown origin) [304844]
Gangrene [785.4.ICD-9-CM]
Gangrene of digit [381254]
Gangrene of foot [349125]
Gangrenous toe [301387]
Gastroenteritis [164331]
Gram negative septic shock [254696]
HCAP (healthcare-associated pneumonia) [424403]
Healthcare-associated pneumonia [265144]
Hepatitis [208282]
Herpes genitalia [165783]
Herpes zoster [208412]
HIV (human immunodeficiency virus infection) [286798]
Hospital acquired PNA [374136]

Hospital-acquired pneumonia [277757]
HSV infection [301464]
Hypotension [208417]
Hypothermia [166405]
Hypoxemia [799.02.ICD-9-CM]
Hypoxia [262335]
Immunocompromised status associated with infection [941396]
Immunosuppressed status [377441]
Incisional infection [460485]
Infected hand [373162]
Infected hardware in right leg [454487]
Infected prosthetic knee joint [273989]
Infected prosthetic vascular graft [467439]
Infection [166487]
Infection due to portacath [305102]
Infection of AV graft for dialysis [311002]
Infection of PEG site [377491]
Infectious colitis [154674]
Infectious systemic inflammatory response syndrome (SIRS) [1134684]
Influenza A [240508]
Intra-abdominal abscess [262587]
Intracranial abscess [324.0.ICD-9-CM]
Invasive fungal sinusitis [939703]
Joint infection [302248]
Lactic acid acidosis [226293]
Lactic acidosis [141826]
Leukocytosis [270894]
Ludwig's angina [140417]
Meningitis [208298]
Meningoencephalitis [146280]
Metabolic acidosis [188509]
Neurosyphilis [208432]
Neutropenia [270764]
Neutropenia associated with infection [454432]
Neutropenic fever [360665]
Orbital cellulitis [376.01.ICD-9-CM]
Orbital cellulitis on left [361047]
Osteomyelitis [209041]
Osteomyelitis of ankle and foot [135517]

Osteomyelitis of ankle or foot [339090]
Osteomyelitis of ankle or foot, acute, left [825455]
Osteomyelitis of foot [352719]
Osteomyelitis of toe of left foot [355674]
Parotiditis [170509]
Perforated appendicitis [422871]
Perforated bowel [375580]
Perforated diverticulum of large intestine [283370]
Perforated duodenal ulcer [251132]
Perforated viscus [260226]
Perforation bowel [166626]
Peri-rectal abscess [228659]
Perianal abscess [141087]
Perianal fistula [141081]
Pericarditis [170656]
Perirectal abscess [141090]
Peritonitis [208439]
Pharyngitis [194204]
PID (acute pelvic inflammatory disease) [228890]
PNA (pneumonia) [424400]
Pneumonia [194251]
Pneumonia due to other specified infectious organisms [1143945]
Pneumonia involving left lung [503509]
Pneumoperitoneum [141422]
Post op infection [260078]
Post-operative infection [360171]
Preseptal cellulitis [265902]
Proctocolitis [141098]
Pyelonephritis [208315]
Pyelonephritis affecting pregnancy in first trimester [1133740]
Rash [163388]
Rash and nonspecific skin eruption [206086]
Rectal abscess [240824]
Renal abscess [143514]
Renal failure (ARF), acute on chronic [421460]
Renal failure [194455]
Renal insufficiency [262139]
Respiratory acidosis [158291]
Respiratory distress [265882]

Respiratory failure [171955]
Respiratory failure with hypercapnia [400807]
Respiratory failure with hypoxia [413260]
Respiratory failure with hypoxia and hypercapnia [1106368]
Rigors [175562]
Scrotal abscess [288687]
Sepsis [928905]
Sepsis affecting skin [1096727]
Sepsis due to cellulitis [1125099]
Sepsis due to Enterobacter species [940345]
Sepsis due to Escherichia coli [416228]
Sepsis due to pneumonia [1125100]
Sepsis due to urinary tract infection [472644]
Sepsis with acute organ dysfunction [269738]
Septic arthritis [159466]
Septic arthritis of knee, left [364537]
Septic arthritis of knee, right [364548]
Septic bursitis of elbow, right [873079]
Septic joint [368485]
Septic shock [927690]
Seroma, postoperative, initial encounter [685291]
Severe sepsis [929711]
Severe sepsis with acute organ dysfunction [942647]
Shingles [153292]
Shortness of breath [786.05.ICD-9-CM]
Sinusitis [172758]
SIRS (systemic inflammatory response syndrome) [348661]
SOB (shortness of breath) [207977]
SOB (shortness of breath) on exertion [319366]
Soft tissue infection [302126]
Spontaneous bacterial peritonitis [567.23.ICD-9-CM]
Strep pharyngitis [373780]
Systemic inflammatory response syndrome (SIRS) [253428]
Tachycardia [208330]
Tachypnea [786.06.ICD-9-CM]
Thrush of mouth and esophagus [302000]
TOA (tubo-ovarian abscess) [383648]
Toe infection [424731]

Tonsillar abscess [439648]
Urinary tract infection [208193]
UTI (urinary tract infection) [185719]
Viral meningitis [168599]
Viral pneumonia [208443]
Viral syndrome [174658]
Viral URI with cough [422894]
Wound infection [279965]
Wound infection after surgery [421318]
Zoster [165814]