

Table S1: List of ICD-9 codes and corresponding diagnosis

ICD-9	Referred disease description
001-139	Infectious and parasitic diseases
254.1	Abscess of thymus
320-326	Diseases of the nervous system
331.81	Rye's syndrome
372-372.39	Conjunctivitis
373.0-373.2	Inflammation of eyelids (Blepharitis, Chalazion)
382-382.4	Suppurative and unspecified otitis media
383	Mastoiditis
386.33	Suppurative labyrinthitis
386.35	Viral labyrinthitis
388.6	Otorrhea
390-393	Rheumatic Fever
421-421.1	Acute and subacute endocarditis
422	Acute myocarditis
422.91-422.93	Acute myocarditis, idiopathic
460-466	Acute respiratory infections
472-474.0	Chronic pharyngitis and nasopharyngitis
475-476.1	Peritonsillar abscess
478.21-478.24	Other diseases of upper respiratory tract
478.29	Other diseases of upper respiratory tract
480-486	Pneumonia and influenza
490	Bronchitis, not specified as acute or chronic
491.1	Mucopurulent chronic bronchitis
494	Bronchiectasis
510	Empyema
511	Pleurisy
513	Abscess of lung and mediastinum
518.6	Allergic bronchopulmonary aspergillosis
519.01	Infection of tracheostomy stoma
522.5	Periapical abscess without sinus
522.7	Periapical abscess with sinus
527.3	Abscess of salivary gland
528.3	Cellulitis and abscess of oral soft tissues
540-542	Appendicitis
566-567.9	Abscess of anal and rectal regions
569.5	Abscess of intestine
572-572.1	Liver abscess and sequelae of chronic liver disease
573.1-573.3	Hepatitis, toxic
575-575.12	Other disorders of gallbladder
590-590.9	Infections of kidney
595-595.4	Cystitis
597-597.89	Urethritis, not sexually transmitted, and urethral syndrome
598	Stricture, urethral, unspecified infection
599	Urinary tract infection, unspecified/pyuria

601-601.9	Inflammatory diseases of prostate
604-604.9	Orchitis and epididymitis
607.1	Balanitis
607.2	Other inflammatory disorders of penis
608	Seminal vesiculitis
608.4	Other inflammatory disorders of male genital organs
611	Inflammatory disease of breast
614-616.1	Inflammatory disease of ovary fallopian tube pelvic cellular tissue and peritoneum
616.3-616.4	Abscess of Bartholin's gland, Other abscess of vulva
616.8	Other specified inflammatory diseases of cervix vagina and vulva
670	Major puerperal infection
680-686.9	Infections of skin and subcutaneous tissue
706	Acne varioliformis
711-711.9	Arthropathy associated with infections
730-730.3	Osteomyelitis, periostitis, and other infections involving bone
730.8-730.9	Osteomyelitis, periostitis, and other infections involving bone
790.7	Bacteremia (not septicemia)
790.8	Viremia, unspecified
996.60-996.69	Infection and inflammatory reaction due to internal prosthetic device implant and graft
997.62	Infection of amputation stump, unspecified extremity
998.5	Postoperative infection not elsewhere classified
999.3.	Other infection due to medical care not elsewhere classified

*The definitions of infection-related ICD-9 codes were based on the analytical methods used in United States Renal Data System (USRDS). Details are available at the USRDS website (http://www.usrds.org/2014/view/v2_00_appx.aspx.)