

Appendix A. International classification of disease codes utilized		
Condition	Pre-Intervention Group (2012-2014)	Post-Intervention Group (2014-2016)
Acute renal failure	ICD-9	ICD-10
	584.5	N17.0
	583.6, 584.6	N17.1
	583.7, 584.7	N17.2
	584.8	N17.8
	584.9	N17.9
Venous Thromboembolism	ICD-9	ICD-10
	453.77	I82.2
	453.3	I82.3
	453.40	I82.4
	453.80	I82.6
	453.84	I82.A1
	453.85	I82.B1
	453.86	I82.C1
	453.79	I82.8
	453.79	I82.9
Occurrence of infection	ICD-9	ICD-10
Abdominal abscess	K65.1	K65.1
Abdominal infection	K65.9	K65.9
Abscess between intestinal loops	K63.0	K63.0

Abscess of lung and mediastinum	J85.2, J85.3	J85.2, J85.3
Abscess of lung with pneumonia	J85.1	J85.1
Abscess of lung with pneumonia, unspecified laterality	J85.1	J85.1
Abscess of male pelvis	K65.1	K65.1
Abscess of middle lobe of right lung with pneumonia	J85.1	J85.1
Abscess of peritoneum	K65.1	K65.1
Abscess of prostate	N41.2	N41.2
Abscess of sigmoid colon due to diverticulitis	K57.20	K57.20
Abscess of upper lobe of left lung with pneumonia	J85.1	J85.1
Abscess of upper lobe of left lung without pneumonia	J85.2	J85.2
Abscess of upper lobe of right lung with pneumonia	J85.1	J85.1
Abscess of upper lobe of right lung with pneumonia	J85.1	J85.1
Abscess of upper lobe of right lung without pneumonia	J85.2	J85.2
Abscess of upper lobe of right lung without pneumonia	J85.2	J85.2
Abscess, abdomen	K65.1	K65.1
Abscess, intestinal	K63.0	K63.0
Abscess, intestine	K63.0	K63.0

Abscess, intra-abdominal, postoperative	T81.4XXA, K65.1	T81.4XXA, K65.1
Abscess, intra-abdominal, postoperative, initial encounter	T81.4XXA, K65.1	T81.4XXA, K65.1
Actinomycoses	A42.9	A42.9
Acute cholangitis	K83.0	K83.0
Acute cystitis	N30.00	N30.00
Acute cystitis with hematuria	N30.01	N30.01
Acute inflammatory disease of uterus	N71.0	N71.0
Acute oophoritis	N70.02	N70.02
Acute parametritis and pelvic cellulitis	N73.0	N73.0
Acute peritonitis	K65.0	K65.0
Acute prostatitis	N41.0	N41.0
Acute pyelonephritis	N10	N10
Acute salpingitis	N70.01	N70.01
Acute salpingitis and oophoritis	N70.03	N70.03
Adenoviral pneumonia	J12.0	J12.0
Allergic Pneumonia	J82	J82
Ascending cholangitis	K83.0	K83.0
At risk for sepsis	Z91.89	Z91.89
Atypical pneumonia	J18.9	J18.9
Bacteremia due to Staphylococcus aureus without sepsis	R78.81	R78.81
Bacterial aspiration, pneumonia	J15.9	J15.9
Bacterial peritonitis	K65.9	K65.9
Bacterial pneumonia	J15.9	J15.9

Bacterial pneumonia, unspecified	J15.9	J15.9
Basal pneumonia	J18.9	J18.9
Basal pneumonia of both lungs	J18.9	J18.9
Beta-haemolytic group A streptococcal sepsis	A41.9	A41.9
Beta-haemolytic group B streptococcal sepsis	A41.9	A41.9
Beta-hemolytic group B streptococcal sepsis	A40.1	A40.1
Bilateral pleural effusion	J90	J90
Bilateral pneumonia	J18.9	J18.9
Biliary cyst	K83.5	K83.5
Bronchial pneumonia	J18.0	J18.0
Bronchopneumonia	J18.0	J18.0
Bronchopneumonia due to Achromobacter	J15.6	J15.6
Bronchopneumonia due to Achromobacter species	J15.6	J15.6
Bronchopneumonia due to bacteria	J15.9	J15.9
Bronchopneumonia due to group B Streptococcus	J15.3	J15.3
Bronchopneumonia due to Klebsiella pneumoniae	J15.0	J15.0
Bronchopneumonia due to methicillin resistant Staphylococcus aureus (MRSA)	J15.212	J15.212
Bronchopneumonia due to methicillin susceptible Staphylococcus aureus (MSSA)	J15.211	J15.211
Bronchopneumonia due to Proteus mirabilis	J15.6	J15.6

Bronchopneumonia due to Pseudomonas species	J15.1	J15.1
Bronchopneumonia due to Staphylococcus aureus	J15.211	J15.211
Bronchopneumonia due to Streptococcus pneumoniae	J13	J13
Calculus of gallbladder and bile duct without cholecystitis with obstruction	K80.71	K80.71
Calculus of gallbladder and bile duct without cholecystitis without obstruction	K80.70	K80.70
Calculus of bile duct with acute and chronic cholecystitis with obstruction	K80.47	K80.47
Calculus of bile duct with acute and chronic cholecystitis without obstruction	K80.46	K80.46
Calculus of bile duct with acute and chronic cholangitis with obstruction	K80.37	K80.37
Calculus of bile duct with acute and chronic cholangitis without obstruction	K80.36	K80.36
Calculus of bile duct with acute cholangitis with obstruction	K80.33	K80.33
Calculus of bile duct with acute cholangitis without obstruction	K80.32	K80.32
Calculus of bile duct with acute cholecystitis with obstruction	K80.43	K80.43

Calculus of bile duct with acute cholecystitis without obstruction	K80.42	K80.42
Calculus of bile duct with cholangitis, unspecified, without obstruction	K80.30	K80.30
Calculus of bile duct with cholecystitis, unspecified, with obstruction	K80.41	K80.41
Calculus of bile duct with chronic cholangitis with obstruction	K80.35	K80.35
Calculus of bile duct with chronic cholangitis without obstruction	K80.34	K80.34
Calculus of bile duct with chronic cholecystitis with obstruction	K80.45	K80.45
Calculus of bile duct with chronic cholecystitis without obstruction	K80.44	K80.44
Calculus of bile duct without cholangitis or cholecystitis with obstruction	K80.51	K80.51
Calculus of bile duct without cholangitis or cholecystitis without obstruction	K80.50	K80.50
Calculus of gallbladder and bile duct with acute and chronic cholecystitis with obstruction	K80.67	K80.67
Calculus of gallbladder and bile duct with acute and chronic cholecystitis without obstruction	K80.66	K80.66

Calculus of gallbladder and bile duct with acute cholecystitis with obstruction	K80.63	K80.63
Calculus of gallbladder and bile duct with acute cholecystitis without obstruction	K80.62	K80.62
Calculus of gallbladder and bile duct with cholecystitis, unspecified, with obstruction	K80.61	K80.61
Calculus of gallbladder and bile duct with cholecystitis, unspecified, without obstruction	K80.60	K80.60
Calculus of gallbladder and bile duct with chronic cholecystitis with obstruction	K80.65	K80.65
Calculus of gallbladder and bile duct with chronic cholecystitis without obstruction	K80.64	K80.64
Calculus of gallbladder with acute and chronic cholecystitis with obstruction	K80.13	K80.13
Calculus of gallbladder with acute and chronic cholecystitis without obstruction	K80.12	K80.12
Calculus of gallbladder with acute cholecystitis with obstruction	K80.01	K80.01
Calculus of gallbladder with acute cholecystitis without obstruction	K80.00	K80.00
Calculus of gallbladder with cholecystitis of other acuity with obstruction	K80.19	K80.19
Calculus of gallbladder with chronic cholecystitis with obstruction	K80.11	K80.11

Calculus of gallbladder with chronic cholecystitis without obstruction	K80.10	K80.10
Calculus of gallbladder with other cholecystitis without obstruction	K80.18	K80.18
Calculus of gallbladder without cholecystitis with obstruction	K80.21	K80.21
Calculus of gallbladder without cholecystitis without obstruction	K80.20	K80.20
CAP (community acquired pneumonia)	J18.9	J18.9
CAP (community acquired pneumonia)	J18.9	J18.9
CAP (community acquired pneumonia) due to group B Streptococcus	J15.3	J15.3
CAP (community acquired pneumonia) due to Klebsiella pneumoniae	J15.0	J15.0
CAP (community acquired pneumonia) due to MRSA (methicillin resistant Staphylococcus aureus)	J15.212	J15.212
CAP (community acquired pneumonia) due to MSSA (methicillin sensitive Staphylococcus aureus)	J15.211	J15.211
CAP (community acquired pneumonia) due to Pneumococcus	J13	J13
CAP (community acquired pneumonia) due to Pseudomonas species	J15.1	J15.1
Chlamydial pneumonia	J16.0	J16.0

Cholangiolitis	K83.0	K83.0
Cholangitis	K83.0	K83.0
Cholangitis due to bile duct calculus with obstruction	K80.31	K80.31
Cholangitis, recurrent	K83.0	K83.0
Choledocholithiasis with cholecystitis	K80.40	K80.40
Choledocholithiasis with chronic cholecystitis	K80.40	K80.40
Cholelithiasis and cholecystitis with obstruction	K80.19	K80.19
Choleperitonitis	K65.3	K65.3
Chronic cholangitis	K83.0	K83.0
Chronic inflammatory disease of uterus	N71.1	N71.1
Chronic oophoritis	N70.12	N70.12
Chronic parametritis and pelvic cellulitis	N73.1	N73.1
Chronic prostatitis	N41.1	N41.1
Chronic salpingitis	N70.11	N70.11
Chronic salpingitis and oophoritis	N70.13	N70.13
Clinical sepsis	A41.9	A41.9
Community acquired bacterial pneumonia	J15.9	J15.9
Community acquired pneumonia	J18.9	J18.9
Consolidation of right upper lobe	J18.1	J18.1
Crohn's colitis, with abscess	K50.114	K50.114
Crohn's disease of colon, with abscess	K50.114	K50.114
Cystitis	N30.90	N30.90
Cystitis with hematuria	N30.91	N30.91

	Dieulafoy lesion of intestine	K63.81	K63.81
	Disease of biliary tract, unspecified	K83.9	K83.9
	Disease of intestine, unspecified	K63.9	K63.9
	Diverticulitis of both small and large intestine with perforation and abscess with bleeding	K57.41	K57.41
	Diverticulitis of both small and large intestine with perforation and abscess without bleeding	K57.40	K57.40
	Diverticulitis of intestine with abscess	K57.80	K57.80
	Diverticulitis of intestine with abscess without bleeding	K57.80	K57.80
	Diverticulitis of intestine with abscess without bleeding, unspecified part of intestinal tract	K57.80	K57.80
	Diverticulitis of intestine with perforation and abscess	K57.80	K57.80
	Diverticulitis of intestine with perforation and abscess without bleeding	K57.80	K57.80
	Diverticulitis of large intestine with abscess with bleeding	K57.21	K57.21
	Diverticulitis of large intestine with abscess without bleeding	K57.20	K57.20
	Diverticulitis of large intestine without perforation or abscess with bleeding	K57.33	K57.33
	Diverticulitis of large intestine without perforation or abscess without bleeding	K57.32	K57.32

Diverticulitis of small intestine with perforation and abscess with bleeding	K57.01	K57.01
Diverticulitis of small intestine with perforation and abscess without bleeding	K57.00	K57.00
Diverticulitis of small intestine without perforation or abscess with bleeding	K57.11	K57.11
Diverticulitis of small intestine without perforation or abscess with bleeding	K57.13	K57.13
Diverticulitis of small intestine without perforation or abscess without bleeding	K57.10	K57.10
Diverticulitis of small intestine without perforation or abscess without bleeding	K57.12	K57.12
Diverticulosis of both small and large intestine without perforation or abscess without bleeding	K57.50	K57.50
Diverticulosis of large intestine without perforation or abscess with bleeding	K57.31	K57.31
Diverticulosis of large intestine without perforation or abscess without bleeding	K57.30	K57.30
Emphysematous cystitis	N30.80	N30.80
Enterobacter cloacae pneumonia	J15.6	J15.6
Enterococcal sepsis	A41.81	A41.81
Enteroptosis	K63.4	K63.4
Female acute pelvic peritonitis	N73.3	N73.3
Female chronic pelvic peritonitis	N73.4	N73.4

Female pelvic inflammatory disease, unspecified	N73.9	N73.9
Female pelvic peritoneal adhesions (postinfective)	N73.6	N73.6
Female pelvic peritonitis, unspecified	N73.5	N73.5
Fistula of bile duct	K83.3	K83.3
Fistula of intestine	K63.2	K63.2
Gram negative sepsis	A41.50	A41.50
Gram-negative pneumonia	J15.6	J15.6
Gram-positive septic shock	A41.89, R65.21	A41.89, R65.21
Granulomatous prostatitis	N41.4	N41.4
HAP (hospital-acquired pneumonia)	J18.9	J18.9
HCAP (healthcare-associated pneumonia)	J18.9	J18.9
Healthcare associated bacterial pneumonia	J15.9	J15.9
Healthcare-associated pneumonia	J18.9	J18.9
Hemorrhagic cystitis	N30.91	N30.91
Hospital acquired PNA	J18.9	J18.9
Hospital-acquired bacterial pneumonia	J15.9	J15.9
Hospital-acquired pneumonia	J18.9	J18.9
Hypostatic pneumonia, unspecified organism	J18.2	J18.2
IC (interstitial cystitis)	N30.10	N30.10
Inflammatory disease of cervix	N72	N72
Inflammatory disease of prostate, unspecified	N41.9	N41.9
Inflammatory disease of uterus, unspecified	N71.9	N71.9
Influenza with pneumonia	J10.0	J10.0

Interstitial cystitis	N30.10	N30.10
Interstitial cystitis (chronic) with hematuria	N30.11	N30.11
Intestinal diverticular abscess	K63.0	K63.0
Intra-abdominal abscess	K65.1	K65.1
Intra-abdominal abscess post-procedure	T81.4XXA, K65.1	T81.4XXA, K65.1
Intra-abdominal abscess post-procedure, initial encounter	T81.4XXA, K65.1	T81.4XXA, K65.1
Intraperitoneal abscess	K65.1	K65.1
Irradiation cystitis with hematuria	N30.41	N30.41
Irradiation cystitis without hematuria	N30.40	N30.40
Left lower lobe pneumonia	J18.9	J18.9
Left upper lobe pneumonia	J18.9	J18.9
Line sepsis	T82.7XXA	T82.7XXA
Lingular pneumonia	J18.9	J18.9
LLL pneumonia	J18.9	J18.9
Lobar pneumonia	J18.1	J18.1
Loculated pleural effusion	J90	J90
Lung abscess	J85.2	J85.2
Malignant pleural effusion	J91.0	J91.0
MRSA (methicillin resistant staphylococcus aureus) pneumonia	J15.212	J15.212
MRSA pneumonia	J15.212	J15.212
Multiple lung abscesses	J85.2	J85.2
Necrotizing pneumonia	J85.0	J85.0
Neutropenic sepsis	A41.9, D70.9	A41.9, D70.9

Nursing home pneumonia	J18.9	J18.9
Nursing home-acquired pneumonia	J18.9	J18.9
Obstruction of bile duct	K83.1	K83.1
Obstructive pneumonia	J18.9	J18.9
Oophoritis, unspecified	N70.92	N70.92
Other cholelithiasis with obstruction	K80.81	K80.81
Other cholelithiasis without obstruction	K80.80	K80.80
Other chronic cystitis with hematuria	N30.21	N30.21
Other chronic cystitis without hematuria	N30.20	N30.20
Other cystitis with hematuria	N30.81	N30.81
Other disorders of retroperitoneum	K68.9	K68.9
Other inflammatory diseases of prostate	N41.8	N41.8
Other pneumonia, unspecified organism	J18.8	J18.8
Other retroperitoneal abscess	K68.19	K68.19
Other specified bacterial agents as the cause of diseases classified elsewhere	B96.89	B96.89
Other specified diseases of biliary tract	K83.8	K83.8
Other specified diseases of intestine	K63.89	K63.89
Other specified female pelvic inflammatory disease	N73.8	N73.8
Other streptococcal sepsis	A40.8	A40.8
Paracolic abscess	K63.0	K63.0
Pelvirectal abscess	K65.8	K65.8
Perforation of bile duct	K83.2	K83.2
Perforation of intestine (nontraumatic)	K63.1	K63.1

Perihepatic abscess	K65.0	K65.0
Peritoneal abscess	K65.1	K65.1
Peritoneal dialysis-associated peritonitis, initial encounter	T85.71XA	T85.71XA
Peritonitis	K65.9	K65.9
Peritonitis (acute) generalized	K65.0	K65.0
Peritonitis associated with peritoneal dialysis, initial encounter	T85.71XA	T85.71XA
Peritonitis, acute generalized	K65.0	K65.0
Peritonitis, dialysis-associated, initial encounter	T85.71XA	T85.71XA
Persistent pneumonia	J18.9	J18.9
Pleural effusion	J90	J90
Pleural effusion in other conditions classified elsewhere	J91.8	J91.8
Pleural effusion on left	J90	J90
Pleural effusion on right	J90	J90
Pleural effusion, bilateral	J90	J90
Pleural effusion, left	J90	J90
Pleural effusion, right	J90	J90
Pleurisy with effusion	J90	J90
PNA (pneumonia)	J18.9	J18.9
Pneumococcal pneumonia	J13	J13
Pneumonia	J18.9	J18.9
Pneumonia affecting pregnancy	O99.519, J18.9	O99.519, J18.9

Pneumonia affecting pregnancy in second trimester	O99.512, J18.9	O99.512, J18.9
Pneumonia due to Escherichia coli	J15.5	J15.5
Pneumonia due to Haemophilus influenzae	J14	J14
Pneumonia due to Klebsiella pneumoniae, unspecified laterality, unspecified part of lung	J15.0	J15.0
Pneumonia due to methicillin resistant Staphylococcus aureus	J15.212	J15.212
Pneumonia due to methicillin resistant Staphylococcus aureus, unspecified laterality, unspecified part of lung	J15.212	J15.212
Pneumonia due to methicillin susceptible Staphylococcus aureus	J15.211	J15.211
Pneumonia due to Mycoplasma pneumoniae	J15.7	J15.7
Pneumonia due to organism	J18.9	J18.9
Pneumonia due to other specified bacteria	J15.8	J15.8
Pneumonia due to other specified infectious organisms	J16.8	J16.8
Pneumonia due to other staphylococcus	J15.29	J15.29
Pneumonia due to other streptococci	J15.4	J15.4
Pneumonia due to Pseudomonas	J15.1	J15.1
Pneumonia due to staphylococcus, unspecified	J15.20	J15.20
Pneumonia due to Streptococcus pneumoniae	J13	J13
Pneumonia in bacterial diseases classified elsewhere	J17	J17

Pneumonia in diseases classified elsewhere	J17	J17
Pneumonia involving left lung	J18.9	J18.9
Pneumonia involving right lung	J18.9	J18.9
Pneumonia of both lower lobes due to Pseudomonas species	J15.1	J15.1
Pneumonia of both lower lobes due to Streptococcus pneumoniae	J13	J13
Pneumonia of both lungs due to methicillin resistant Staphylococcus aureus (MRSA), unspecified part of lung	J15.212	J15.212
Pneumonia of left lower lobe due to group B Streptococcus	J15.3	J15.3
Pneumonia of left lower lobe due to methicillin susceptible Staphylococcus aureus (MSSA)	J15.211	J15.211
Pneumonia of left lower lobe due to Pseudomonas species	J15.1	J15.1
Pneumonia of left lung due to infectious organism, unspecified part of lung	J18.9	J18.9
Pneumonia of left upper lobe due to methicillin resistant Staphylococcus aureus (MRSA)	J15.212	J15.212
Pneumonia of right lower lobe due to Streptococcus pneumoniae	J13	J13

Pneumonia of right upper lobe due to infectious organism	J18.9	J18.9
Pneumonia of upper lobe due to infectious organism, unspecified laterality	J18.9	J18.9
Pneumonia with cavity of lung	J18.9, J98.4	J18.9, J98.4
Pneumonia with lung abscess	J85.1	J85.1
Pneumonia, aspiration	J69.0	J69.0
Pneumonia, bacterial	J15.9	J15.9
Pneumonia, community acquired	J18.9	J18.9
Pneumonia, lobar	J18.1	J18.1
Pneumonia, organism unspecified	J18.9	J18.9
Pneumonia, organism unspecified, unspecified laterality, unspecified part of lung	J18.9	J18.9
Pneumonia, primary atypical	J18.9	J18.9
Pneumonia, unspecified laterality, unspecified part of lung	J18.9	J18.9
Pneumonia, unspecified organism	J18.9	J18.9
Pneumonitis	J18.9	J18.9
Polyp of colon	K63.5	K63.5
Post procedural retroperitoneal abscess	K68.11	K68.11
Postobstructive pneumonia	J18.9	J18.9
Postoperative intra-abdominal abscess	T81.4XXA, K65.1	T81.4XXA, K65.1
Postoperative intra-abdominal abscess, initial encounter	T81.4XXA, K65.1	T81.4XXA, K65.1
Probable sepsis	A41.9	A41.9

Prostatocystitis	N41.3	N41.3
Pseudomonal pneumonia	J15.1	J15.1
Pseudomonas pneumonia	J15.1	J15.1
Psoas muscle abscess	K68.12	K68.12
Pulmonary abscess	J85.2	J85.2
Pyelonephritis	N12	N12
Pyelonephritis, acute	N10	N10
Recurrent cystitis	N30.90	N30.90
Recurrent left pleural effusion	J90	J90
Recurrent pleural effusion on left	J90	J90
Recurrent pleural effusion on right	J90	J90
Recurrent pneumonia	J18.9	J18.9
Recurrent pyelonephritis	N12	N12
Recurrent right pleural effusion	J90	J90
Recurrent urosepsis	A41.9, N39.0	A41.9, N39.0
Right lower lobe pneumonia	J18.9	J18.9
Right lower lobe pneumonitis	J18.9	J18.9
Right lower quadrant abdominal abscess	K65.1	K65.1
Right middle lobe pneumonia	J18.9	J18.9
Right upper lobe pneumonia	J18.9	J18.9
RLL pneumonia	J18.9	J18.9
RML pneumonia	J18.9	J18.9
Salpingitis and oophoritis, unspecified	N70.93	N70.93
Salpingitis, unspecified	N70.91	N70.91
SBP (spontaneous bacterial peritonitis)	K65.2	K65.2

Sclerosing cholangitis	K83.0	K83.0
Sclerosing mesenteritis	K65.4	K65.4
SEPSIS	A41.9	A41.9
Sepsis affecting skin	L02.91	L02.91
Sepsis associated hypotension	A41.9	A41.9
Sepsis due to Actinomyces	A42.7	A42.7
Sepsis due to cellulitis	L03.90, A41.9	L03.90, A41.9
Sepsis due to enterococcus	A41.81	A41.81
Sepsis due to Escherichia coli	A41.51	A41.51
Sepsis due to Gram negative bacteria	A41.50	A41.50
Sepsis due to group A Streptococcus	A40.0	A40.0
Sepsis due to group B Streptococcus	A40.1	A40.1
Sepsis due to Haemophilus influenzae	A41.3	A41.3
Sepsis due to Klebsiella	A41.4	A41.4
Sepsis due to methicillin resistant Staphylococcus aureus	A41.02	A41.02
Sepsis due to methicillin resistant Staphylococcus aureus (MRSA)	A41.02	A41.02
Sepsis due to Methicillin susceptible Staphylococcus aureus	A41.01	A41.01
Sepsis due to other specified staphylococcus	A41.1	A41.1
Sepsis due to pneumonia	J18.9, A41.9	J18.9, A41.9
Sepsis due to Pseudomonas species	A41.52	A41.52
Sepsis due to Serratia	A41.53	A41.53
Sepsis due to Staphylococcus aureus	A41.01	A41.01

Sepsis due to Streptococcus pneumoniae	A40.3	A40.3
Sepsis due to Streptococcus, group A	A40.0	A40.0
Sepsis due to Streptococcus, group B	A40.1	A40.1
Sepsis due to urinary tract infection	A41.9, N39.0	A41.9, N39.0
Sepsis following intra-abdominal surgery	T81.4XXA, A41.9	T81.4XXA, A41.9
Sepsis secondary to UTI	A41.9, N39.0	A41.9, N39.0
Sepsis with acute organ dysfunction	A41.9, R65.20	A41.9, R65.20
Sepsis with hypotension	A41.9	A41.9
Sepsis with multiple organ dysfunction (MOD)	A41.9, R65.20	A41.9, R65.20
Sepsis(995.91)	A41.9	A41.9
Sepsis, due to unspecified organism	A41.9	A41.9
Sepsis, Gram positive	A41.89	A41.89
Sepsis, unspecified organism	A41.9	A41.9
Sepsis, urinary	A41.9, N39.0	A41.9, N39.0
Septic shock	A41.9, R65.21	A41.9, R65.21
Septic shock due to urinary tract infection	N39.0, R65.21	N39.0, R65.21
Septic shock(785.52)	R65.21	R65.21
Septicemia due to E. coli	A41.51	A41.51
Septicemia due to Enterobacter	A41.59	A41.59
Septicemic shock	A41.9, R65.21	A41.9, R65.21
Severe sepsis	A41.9, R65.20	A41.9, R65.20
Severe sepsis with acute organ dysfunction	A41.9, R65.20	A41.9, R65.20
Severe sepsis with septic shock	A41.9, R65.21	A41.9, R65.21
Severe sepsis without septic shock	A41.9, R65.20	A41.9, R65.20

	Severe sepsis(995.92)	R65.20	R65.20
	Solids, liquids, NEC aspiration	J69.8	J69.8
	Spasm of sphincter of Oddi	K83.4	K83.4
	Spontaneous bacterial peritonitis	K65.2	K65.2
	Staphylococcal sepsis	A41.2	A41.2
	Staphylococcus aureus bacteremia with sepsis	A41.01	A41.01
	Staphylococcus aureus sepsis	A41.01	A41.01
	Streptococcal sepsis	A40.9	A40.9
	Subhepatic abscess	K65.1	K65.1
	Subphrenic abscess	K65.1	K65.1
	Trigonitis with hematuria	N30.31	N30.31
	Trigonitis without hematuria	N30.30	N30.30
	Ulcer of intestine	K63.3	K63.3
	Unspecified parametritis and pelvic cellulitis	N73.2	N73.2
	Unspecified pleural effusion	J90	J90
	Urinary sepsis	A41.9, N39.0	A41.9, N39.0
	Urinary tract infection, site not specified	N39.0	N39.0
	Urosepsis	A41.9, N39.0	A41.9, N39.0
	Ventilator associated interstitial	J95.851	J95.851
	Viral aspiration	J12.9	J12.9