

## Supplemental Digital Content 1. ICD-9 Codes Used to Classify Individual Diagnoses

Diagnostic Category Common Diagnoses	ICD-9 Codes
<b>Non-AIDS-Defining Infection</b>	
Bacterial pneumonia	481.0-483.8, 486
Sepsis/bacteremia	038.0-038.9, 790.7, 995.91-995.92
Cellulitis	682.0-682.9
Osteomyelitis	730.0-730.29, 376.03
<b>Cardiovascular</b>	
Chest pain	786.50-786.51, 786.59
Heart failure	398.91, 402.01, 402.11, 402.91, 404.01, 404.03, 404.11, 404.13, 404.91, 404.93, 428.0-428.9
CAD/MI	410.0-410.92, 411.1, 411.80-411.89, 413.0-413.9, 414.00-414.07, 414.2-414.9
DVT/PE	415.1, 415.19, 453.4-453.42, 453.8-453.9
<b>Gastrointestinal/Liver</b>	
Diarrhea	555.0-555.9, 558.0-558.9, 787.91
Complication of cirrhosis*	571.2, 571.5, 571.6, 572.2, 572.3, 789.59
Pancreatitis	577.0-577.2
GI bleed	531.00-531.01, 531.20-531.21, 531.40-531.41, 531.60-531.61, 532.00-532.01, 532.20-532.21, 532.40-532.41, 532.60-532.61, 533.00-533.01, 533.20-533.21, 533.40-533.41, 533.60-533.61, 534.00-534.01, 534.20-534.21, 534.40-534.41, 534.60-534.61, 535.01, 535.11, 535.21, 535.31, 535.41, 535.51, 535.61, 535.71, 537.83, 569.85, 562.13, 562.03, 562.12, 562.02, 578.0-578.9
<b>AIDS-Defining Illness</b>	
<i>Pneumocystis jiroveci</i>	136.3
<i>Cryptococcus</i>	117.5, 321.0
Recurrent bacterial pneumonia*	481.0-483.8, 486
<i>Candida</i> esophagitis	112.84
AIDS-defining malignancy	176.0-176.9, 180.0-180.9, 200.20-200.28, 200.50-200.58
Disseminated <i>Mycobacterium avium</i>	031.2
<b>Renal</b>	
Acute renal failure	584.5-584.9, 586
Hypertension with chronic kidney disease	403.00-403.91
Urinary calculus	592.0-592.9
<b>Endocrine</b>	
Electrolyte abnormalities	276.0-276.9
Diabetes	250.00-250.93
Cachexia	799.4
<b>Psychiatric</b>	
Depression	296.2-296.36, 309.0-309.1, 311
Drug abuse/withdrawal	291.0-292.9, 304.00-305.93, 965.00-965.09, 969.72, 970.1, 970.81,

Psychosis/schizophrenia	298.0-298.1, 298.4-298.9, 295.00-295.95
<b>Pulmonary</b>	
Asthma/COPD	491.00-493.92
Acute respiratory failure	518.81, 518.82
Pleural effusion	511.9
<b>Non-AIDS-Defining Cancer</b>	
Lymphoma	200.30-200.48, 200.60-202.88
Liver cancer	155.0-155.1
Lung cancer	162.0-162.9
<b>Injury/Poisoning</b>	
Device/procedure complications	349.0-349.1, 349.31, 539.09, 539.89, 669.40-669.44, 669.80-669.94, 679.00-679.04, 996.0-998.9
Poisoning	960.0-979.9
Fracture	733.10-733.98, 800.0-829.1
<b>Hematologic†</b>	
<b>Neurologic†</b>	
<b>Symptom-Defined†</b>	
<b>Musculoskeletal†</b>	
<b>Obstetric / Gynecologic†</b>	
<b>Congenital / Perinatal / Unclassified†</b>	
<b>Dermatologic†</b>	
<b>Missing†</b>	

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\*Recurrent bacterial pneumonia was defined as any admission for bacterial pneumonia occurring within 365 days of a previous admission for bacterial pneumonia.

† Categories accounting for less than 4% of all admissions were not explored for individual diagnoses