

Comorbid Categories and Diagnosis Codes

Acute Comorbid Conditions

Gastrointestinal Bleeding

ICD-9-CM	Descriptor
53021	Ulcer of esophagus with bleeding
53100	Acute gastric ulcer with hemorrhage without mention of obstruction
53101	Acute gastric ulcer with hemorrhage with obstruction
53120	Acute gastric ulcer with hemorrhage and perforation without mention of obstruction
53121	Acute gastric ulcer with hemorrhage and perforation with obstruction
53140	Chronic or unspecified gastric ulcer with hemorrhage without mention of obstruction
53141	Chronic or unspecified gastric ulcer with hemorrhage with obstruction
53160	Chronic or unspecified gastric ulcer with hemorrhage and perforation without mention of obstruction
53161	Chronic or unspecified gastric ulcer with hemorrhage and perforation with obstruction
53200	Acute duodenal ulcer with hemorrhage without mention of obstruction
53201	Acute duodenal ulcer with hemorrhage with obstruction
53220	Acute duodenal ulcer with hemorrhage and perforation without mention of obstruction
53221	Acute duodenal ulcer with hemorrhage and perforation with obstruction
53240	Chronic or unspecified duodenal ulcer with hemorrhage without mention of obstruction
53241	Chronic or unspecified duodenal ulcer with hemorrhage with obstruction
53260	Chronic or unspecified duodenal ulcer with hemorrhage and perforation without mention of obstruction
53261	Chronic or unspecified duodenal ulcer with hemorrhage and perforation with obstruction
53300	Acute peptic ulcer with hemorrhage without mention of obstruction
53301	Acute peptic ulcer with hemorrhage with obstruction
53320	Acute peptic ulcer with hemorrhage and perforation without mention of obstruction
53321	Acute peptic ulcer with hemorrhage and perforation with obstruction
53340	Chronic or unspecified peptic ulcer with hemorrhage without mention of obstruction
53341	Chronic or unspecified peptic ulcer with hemorrhage with obstruction

53360	Chronic or unspecified peptic ulcer with hemorrhage and perforation without mention of obstruction
53361	Chronic or unspecified peptic ulcer with hemorrhage and perforation with obstruction
53400	Acute gastrojejunal ulcer with hemorrhage without mention of obstruction
53401	Acute gastrojejunal ulcer with hemorrhage with obstruction
53420	Acute gastrojejunal ulcer with hemorrhage and perforation without mention of obstruction
53421	Acute gastrojejunal ulcer with hemorrhage and perforation with obstruction
53440	Chronic or unspecified gastrojejunal ulcer with hemorrhage without mention of obstruction
53441	Chronic or unspecified gastrojejunal ulcer with hemorrhage with obstruction
53460	Chronic or unspecified gastrojejunal ulcer with hemorrhage and perforation without mention of obstruction
53461	Chronic or unspecified gastrojejunal ulcer with hemorrhage and perforation with obstruction
53571	Eosinophilic gastritis, with hemorrhage
53783	Angiodysplasia of stomach and duodenum with hemorrhage
56202	Diverticulosis of small intestine with hemorrhage
56203	Diverticulitis of small intestine with hemorrhage
56212	Diverticulosis of colon with hemorrhage
56213	Diverticulitis of colon with hemorrhage
56985	Angiodysplasia of intestine with hemorrhage

Bacterial Pneumonia

ICD-9-CM Descriptor

00322	Salmonella pneumonia
4820	Pneumonia due to Klebsiella pneumoniae
4821	Pneumonia due to Pseudomonas
4822	Pneumonia due to Hemophilus influenza (H. influenza)
48230	Pneumonia due to Streptococcus, unspecified
48231	Pneumonia due to Streptococcus, Group A
48232	Pneumonia due to Streptococcus, Group B

48239	Pneumonia due to other Streptococcus
48240	Pneumonia due to Staphylococcus, unspecified
48241	Methicillin susceptible pneumonia due to Staphylococcus aureus
48242	Methicillin resistant pneumonia due to Staphylococcus aureus
48249	Other Staphylococcus pneumonia
48281	Pneumonia due to Anaerobes
48282	Pneumonia due to Escherichia coli (E. coli)
48283	Pneumonia due to other gram-negative bacteria
48284	Pneumonia due to Legionnaires' disease
48289	Pneumonia due to other specified bacteria
5070	Pneumonitis due to inhalation of food or vomitus
5078	Pneumonitis due to other solids and liquids
5100	Empyema, with fistula
5109	Empyema. without mention of fistula
5130	Abscess of lung

Pericarditis

ICD-9-CM Descriptor

4200	Acute pericarditis in diseases classified elsewhere
42090	Other and unspecified pericarditis, acute pericarditis, unspecified
42091	Other and unspecified pericarditis, acute idiopathic pericarditis
42099	Other acute pericarditis

Chronic Comorbid Conditions

Hereditary hemolytic and sickle cell anemia

ICD-9-CM Descriptor

2820	Hereditary spherocytosis
2821	Hereditary elliptocytosis

2822	Anemias due to disorders of glutathione metabolism
2823	Other hemolytic anemias due to enzyme deficiency
28241	Sickle-cell thalassemia without crisis
28242	Sickle-cell thalassemia with crisis
28243	Alpha thalassemia
28244	Beta thalassemia
28245	Delta-beta thalassemia
28246	Thalassemia minor
28247	Hemoglobin E-beta thalassemia
28249	Other thalassemias
28261	Sickle-cell disease, Hb-SS disease without crisis
28262	Sickle-cell disease, Hb-SS disease with crisis
28263	Sickle-cell disease, Sickle-cell/Hb-C disease without crisis
28264	Sickle-cell disease, Sickle-cell/Hb-C disease with crisis
28268	Sickle-cell disease, Other sickle-cell disease without crisis
28269	Sickle-cell disease, Other sickle-cell disease with crisis

Monoclonal gammopathy (in the absence of multiple myeloma)

ICD-9-CM	Descriptor
2731	Monoclonal paraproteinemia [includes monoclonal gammopathy]

Myelodysplastic syndrome

ICD-9-CM	Descriptor
23871	Essential thrombocythemia
23872	Low grade myelodysplastic syndrome lesions
23873	High grade myelodysplastic syndrome lesions
23874	Myelodysplastic syndrome with 5q deletion

23875	Myelodysplastic syndrome, unspecified
23876	Myelofibrosis with myeloid metaplasia