

CMS-HCC/ICD-10

Coder Reference Guide • 2019

*This Resource guide is based on the HCCs most frequently used within the Nebraska Health Network.
It is not intended to be a comprehensive list of all HCCs/ICD-10s.*

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The Basics of Medical Risk Adjustment

Health-care providers are undergoing a massive shift in how health care is delivered—and how it's paid for. It's a move from fee-for-service, or **volume care**—where the more you do, the more you get paid—to **value-based care**—where physicians are rewarded for providing high-quality, efficient care.

Many factors drive success in value-based care, but one of the most crucial is **Medical Risk Adjustment**.



What is Medical Risk Adjustment?

Medical Risk Adjustment (MRA) is an actuarial tool used to predict health-care costs of a population. Patient demographics and disease burden, as indicated by ICD-10 diagnosis codes, are utilized to calculate a patient risk score.

Why is MRA Important?

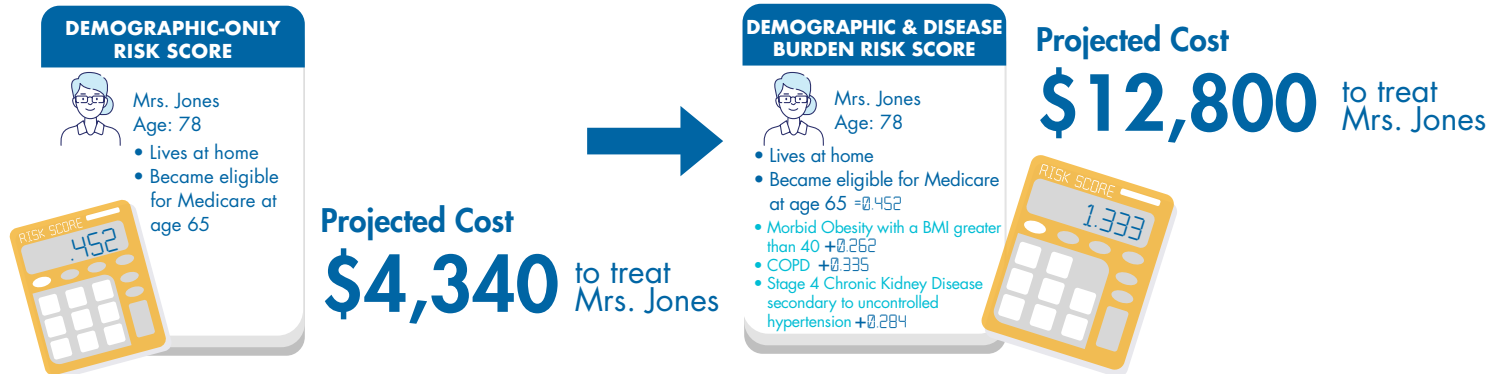
MRA helps health insurance payers – including Medicare – understand how sick your patients really are, as indicated by their risk scores. MRA is used in value-based models to ensure that cost targets are adjusted to align with the illness burden of the population. **This helps to ensure providers are not penalized for taking care of sicker patients.**

How Do I Optimize Risk Capture?

Document and code for all diagnoses for each patient, every year. Keep in mind that a patient with diabetes this year is considered to no longer have diabetes in subsequent years if it is not documented and coded **every calendar year**.

How does MRA work?

The combination of demographic characteristics plus disease burden determines a patient's "risk score." The sicker the patient, the higher the risk score—and the higher the projected cost to treat that patient. Here's an example of how MRA works:



In value-based care, not having the cost targets accurately reflect the risk of your patients:

- Decreases the ability to fund programs and resources to support population health initiatives
- Impacts your ability to meet cost targets, and
- Reduces the likelihood of earning payment incentives

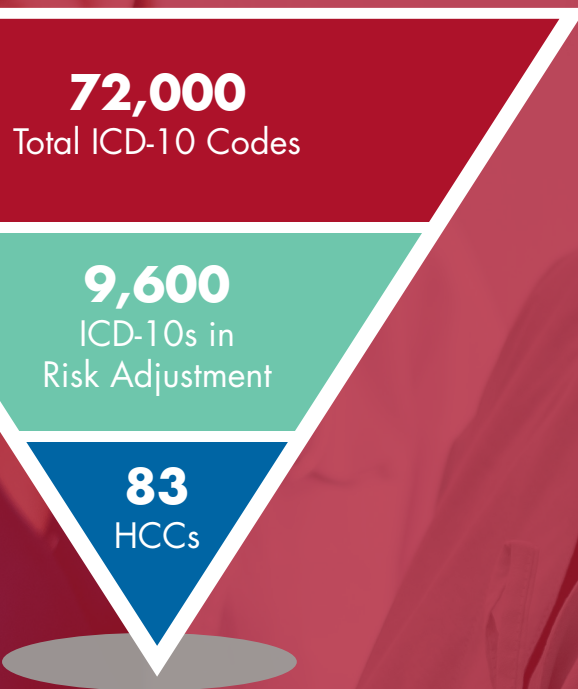
MRA - Not Just for Medicare Patients

Commercial Insurers, as well as Medicaid plans, utilize risk adjustment methodologies to set cost targets for value-based care contracts.

Hierarchical Condition Categories (HCC)

What are they?

HCC is a risk adjustment model developed by CMS to calculate risk scores based on demographic information and a profile of major medical conditions to predict Medicare expenditures in the next year. The model maps a diagnosis into categories of clinically related medical conditions with similar cost patterns. It also incorporates disease hierarchies, whereby a person is coded only for the most severe manifestation among related conditions (hence, the name hierarchical condition categories). For unrelated diseases, however, HCCs accumulate.



CMS-HCCs: Descriptions and Risk Adjustment Factors

HCC Number	HCC Description	RAF Score	Category Grouping	Page #
1	HIV/AIDS	0.344	Infectious and Parasitic Diseases	8
2	Septicemia, Sepsis, Systemic Inflammatory Response Syndrome/Shock	0.428	Infectious and Parasitic Diseases	8
6	Opportunistic Infections	0.446	Infectious and Parasitic Diseases	8-9
8	Metastatic Cancer and Acute Leukemia	2.654	Neoplasms	10
9	Lung and Other Severe Cancers	1.027	Neoplasms	10-11
10	Lymphoma and Other Cancers	0.675	Neoplasms	11
11	Colorectal, Bladder and Other Cancers	0.309	Neoplasms	11-12
12	Breast, Prostate, and Other Cancers and Tumors	0.153	Neoplasms	12
17	Diabetes with Acute Complications	0.307	Endocrine, Nutritional and Metabolic	14
18	Diabetes with Chronic Complications	0.307	Endocrine, Nutritional and Metabolic	14-15
19	Diabetes without Complication	0.106	Endocrine, Nutritional and Metabolic	15
21	Protein-Calorie Malnutrition	0.554	Endocrine, Nutritional and Metabolic	15
22	Morbid Obesity	0.262	Endocrine, Nutritional and Metabolic	15
23	Other Significant Endocrine and Metabolic Disorders	0.212	Endocrine, Nutritional and Metabolic	16
27	End-Stage Liver Disease	0.913	Digestive System	31
28	Cirrhosis of Liver	0.381	Digestive System	31
29	Chronic Hepatitis	0.153	Digestive System	31
33	Intestinal Obstruction/Perforation	0.243	Digestive System	31-32
34	Chronic Pancreatitis	0.308	Digestive System	32
35	Inflammatory Bowel Disease	0.315	Digestive System	32
39	Bone/Joint/Muscle Infections/Necrosis	0.431	Musculoskeletal System and Connective Tissue	35
40	Rheumatoid Arthritis and Inflammatory Connective Tissue Disease	0.426	Musculoskeletal System and Connective Tissue	35
46	Severe Hematological Disorders	1.394	Hematologic and Immunologic	13

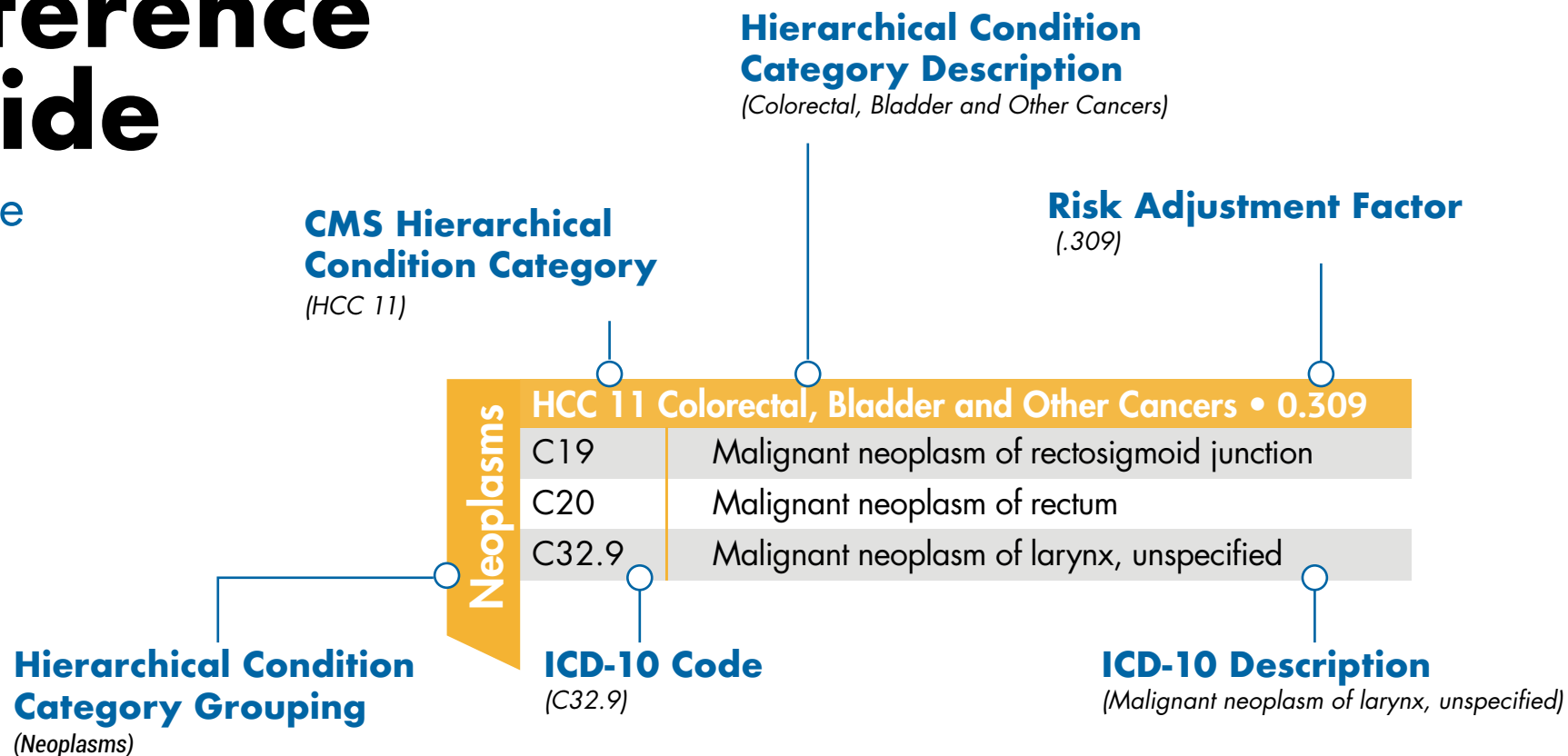
HCC Number	HCC Description	RAF Score	Category Grouping	Page #
47	Disorders of immunity	0.683	Hematologic and Immunologic	13
48	Coagulation Defects and Other Specified Hematological Disorders	0.214	Hematologic and Immunologic	13
54 (REVISED)	Substance Use with Psychotic Complications	0.368	Mental, Behavioral and Neurodevelopmental	17
55 (REVISED)	Substance Use Disorder, Moderate/Severe, or Substance Use with Complications	0.368	Mental, Behavioral and Neurodevelopmental	17
56 (NEW)	Substance Use Disorder, Mild, Except Alcohol and Cannabis	0.368	Mental, Behavioral and Neurodevelopmental	17
57	Schizophrenia	0.608	Mental, Behavioral and Neurodevelopmental	17-18
58 (REVISED)	Reactive and Unspecified Psychosis	0.546	Mental, Behavioral and Neurodevelopmental	18
59 (NEW)	Major Depressive, Bipolar, and Paranoid Disorders	0.353	Mental, Behavioral and Neurodevelopmental	18
60 (NEW)	Personality Disorders	0.353	Mental, Behavioral and Neurodevelopmental	18-19
70	Quadriplegia	1.338	Nervous System	20
71	Paraplegia	1.121	Nervous System	20
72	Spinal Cord Disorders/Injuries	0.519	Nervous System	20
73	Amyotrophic Lateral Sclerosis and Other Motor Neuron Disease	1.026	Nervous System	20
74	Cerebral Palsy	0.354	Nervous System	20-21
75	Myasthenia Gravis/Myoneural Disorders, Inflammatory and Toxic Neuropathy	0.491	Nervous System	21
76	Muscular Dystrophy	0.533	Nervous System	21
77	Multiple Sclerosis	0.441	Nervous System	21
78	Parkinson's and Huntington's Diseases	0.686	Nervous System	21
79	Seizure Disorders and Convulsions	0.277	Nervous System	22
80	Coma, Brain Compression/Anoxic Damage	0.575	Nervous System	22
82	Respirator Dependence/Tracheostomy Status	1.051	Respiratory System	29
83	Respiratory Arrest	0.404	Respiratory System	29
84	Cardio-Respiratory Failure and Shock	0.314	Respiratory System	29
85	Congestive Heart Failure	0.310	Circulatory System	25
86	Acute Myocardial Infarction	0.220	Circulatory System	25
87	Unstable Angina and Other Acute Ischemic Heart Diseases	0.219	Circulatory System	26
88	Angina Pectoris	0.143	Circulatory System	26

HCC Number	HCC Description	RAF Score	Category Grouping	Page #
96	Specified Heart Arrhythmias	0.271	Circulatory System	26
99 (REVISED)	Intracranial Hemorrhage	0.276	Circulatory System	26-27
100	Ischemic or Unspecified Stroke	0.276	Circulatory System	27
103	Hemiplegia/Hemiparesis	0.498	Nervous System	22-23
104	Monoplegia, Other Paralytic Syndromes	0.368	Nervous System	23
106	Atherosclerosis of the Extremities with Ulceration or Gangrene	1.537	Circulatory System	27
107	Vascular Disease with Complications	0.401	Circulatory System	27
108	Vascular Disease	0.305	Circulatory System	28
110	Cystic Fibrosis	0.509	Respiratory System	29
111	Chronic Obstructive Pulmonary Disease	0.335	Respiratory System	30
112	Fibrosis of Lung and Other Chronic Lung Disorders	0.216	Respiratory System	30
114	Aspiration and Specified Bacterial Pneumonias	0.612	Respiratory System	30
115	Pneumococcal Pneumonia, Empyema, Lung Abscess	0.164	Respiratory System	30
122	Proliferative Diabetic Retinopathy and Vitreous Hemorrhage	0.232	Eye and Adnexa	24
124	Exudative Macular Degeneration	0.522	Eye and Adnexa	24
134	Dialysis Status	0.474	Genitourinary System	36
135	Acute Renal Failure	0.474	Genitourinary System	36
136	Chronic Kidney Disease, Stage 5	0.284	Genitourinary System	36
137	Chronic Kidney Disease, Stage 4 Severe	0.284	Genitourinary System	36
138 (NEW)	Chronic Kidney Disease, Moderate Stage 3	0.068	Genitourinary System	36
157	Pressure Ulcer of Skin with Necrosis Through Muscle, Tendon, or Bone	2.112	Skin and Subcutaneous Tissue	33
158	Pressure Ulcer of Skin with Full Thickness Skin Loss	1.153	Skin and Subcutaneous Tissue	33
161	Chronic Ulcer of Skin, Except Pressure	0.551	Skin and Subcutaneous Tissue	33-34
162	Severe Skin Burn or Condition	0.262	Skin and Subcutaneous Tissue	34
166	Severe Head Injury	0.575	Injury, Poisoning, and Certain Other Consequences of External Causes	37

HCC Number	HCC Description	RAF Score	Category Grouping	Page #
167	Major Head Injury	0.143	Injury, Poisoning, and Certain Other Consequences of External Causes	37
169	Vertebral Fractures without Spinal Cord Injury	0.508	Musculoskeletal System and Connective Tissue	35
170	Hip Fracture/Dislocation	0.406	Injury, Poisoning, and Certain Other Consequences of External Causes	37
173	Traumatic Amputation and Complications	0.249	Injury, Poisoning, and Certain Other Consequences of External Causes	37-38
176	Complications of Specified Implanted Device or Graft	0.609	Injury, Poisoning, and Certain Other Consequences of External Causes	38
186	Major Organ Transplant or Replacement Status	0.855	Factors influencing Health Status	39
188	Artificial Openings for Feeding or Elimination	0.581	Factors influencing Health Status	39
189	Amputation Status, Lower Limb/Amputation Complications	0.567	Factors influencing Health Status	40

How to Use the Coder Reference Guide

example



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HCC 1 HIV/AIDS • 0.344

B20	Human immunodeficiency virus [HIV] disease
B97.35	Human immunodeficiency virus, type 2 [HIV 2] as the cause of diseases classified elsewhere
Z21	Asymptomatic human immunodeficiency virus [HIV] infection status

HCC 2 Septicemia, Sepsis, Systemic Inflammatory Response Syndrome/Shock • 0.428

A40.9	Streptococcal sepsis, unspecified
A41.01	Sepsis due to Methicillin susceptible Staphylococcus aureus
A41.02	Sepsis due to Methicillin resistant Staphylococcus aureus
A41.50	Gram-negative sepsis, unspecified
A41.51	Sepsis due to Escherichia coli [E. coli]
A41.52	Sepsis due to Pseudomonas
A41.59	Other Gram-negative sepsis
A41.81	Sepsis due to Enterococcus
A41.89	Other specified sepsis
A41.9	Sepsis, unspecified organism
R57.1	Hypovolemic shock
R65.10	Systemic inflammatory response syndrome (SIRS) of non-infectious origin without acute organ dysfunction
R65.11	Systemic inflammatory response syndrome (SIRS) of non-infectious origin with acute organ dysfunction
R65.20	Severe sepsis without septic shock
R65.21	Severe sepsis with septic shock

HCC 6 Opportunistic Infections • 0.446

A07.2	Cryptosporidiosis
A31.0	Pulmonary mycobacterial infection
A31.2	Disseminated mycobacterium avium-intracellulare complex (DMAC)
B25.0	Cytomegaloviral pneumonitis
B25.1	Cytomegaloviral hepatitis
B25.2	Cytomegaloviral pancreatitis
B25.8	Other cytomegaloviral diseases
B25.9	Cytomegaloviral disease, unspecified

HCC 6 Opportunistic Infections • 0.446

B37.1	Pulmonary candidiasis
B37.7	Candidal sepsis
B37.81	Candidal esophagitis
B44.0	Invasive pulmonary aspergillosis
B44.1	Other pulmonary aspergillosis
B44.9	Aspergillosis, unspecified
B45.0	Pulmonary cryptococcosis
B45.1	Cerebral cryptococcosis
B45.9	Cryptococcosis, unspecified
B46.1	Rhinocerebral mucormycosis
B46.8	Other zygomycoses
B48.8	Other specified mycoses
B58.2	Toxoplasma meningoencephalitis
B59	Pneumocystosis

HCC 8 Metastatic Cancer and Acute Leukemia • 2.654

C77.0	Secondary and unspecified malignant neoplasm of lymph nodes of head, face and neck
C77.1	Secondary and unspecified malignant neoplasm of intrathoracic lymph nodes
C77.2	Secondary and unspecified malignant neoplasm of intra-abdominal lymph nodes
C78.00	Secondary malignant neoplasm of unspecified lung
C78.01	Secondary malignant neoplasm of right lung
C78.02	Secondary malignant neoplasm of left lung
C78.6	Secondary malignant neoplasm of retroperitoneum and peritoneum
C78.7	Secondary malignant neoplasm of liver and intrahepatic bile duct
C79.31	Secondary malignant neoplasm of brain
C79.51	Secondary malignant neoplasm of bone
C79.89	Secondary malignant neoplasm of other specified sites
C79.9	Secondary malignant neoplasm of unspecified site

HCC 9 Lung and Other Severe Cancers • 1.027

C15.9	Malignant neoplasm of esophagus, unspecified
C16.9	Malignant neoplasm of stomach, unspecified
C22.0	Liver cell carcinoma
C25.0	Malignant neoplasm of head of pancreas
C25.1	Malignant neoplasm of body of pancreas
C25.2	Malignant neoplasm of tail of pancreas
C25.9	Malignant neoplasm of pancreas, unspecified
C34.11	Malignant neoplasm of upper lobe, right bronchus or lung
C34.12	Malignant neoplasm of upper lobe, left bronchus or lung
C34.31	Malignant neoplasm of lower lobe, right bronchus or lung
C34.32	Malignant neoplasm of lower lobe, left bronchus or lung
C34.90	Malignant neoplasm of unspecified part of unspecified bronchus or lung
C34.91	Malignant neoplasm of unspecified part of right bronchus or lung
C34.92	Malignant neoplasm of unspecified part of left bronchus or lung
C90.00	Multiple myeloma not having achieved remission

HCC 9 Lung and Other Severe Cancers • 1.027

C90.01	Multiple myeloma in remission
C90.02	Multiple myeloma in relapse
C92.10	Chronic myeloid leukemia, BCR/ABL-positive, not having achieved remission
C92.11	Chronic myeloid leukemia, BCR/ABL-positive, in remission
C92.12	Chronic myeloid leukemia, BCR/ABL-positive, in relapse

HCC 10 Lymphoma and Other Cancers • 0.675

C56.1	Malignant neoplasm of right ovary
C56.2	Malignant neoplasm of left ovary
C56.9	Malignant neoplasm of unspecified ovary
C71.9	Malignant neoplasm of brain, unspecified
C77.3	Secondary and unspecified malignant neoplasm of axilla and upper limb lymph nodes
C77.9	Secondary and unspecified malignant neoplasm of lymph node, unspecified
C83.30	Diffuse large B-cell lymphoma, unspecified site
C83.38	Diffuse large B-cell lymphoma, lymph nodes of multiple sites
C83.39	Diffuse large B-cell lymphoma, extranodal and solid organ sites
C85.10	Unspecified B-cell lymphoma, unspecified site
C85.80	Other specified types of non-Hodgkin lymphoma, unspecified site
C85.90	Non-Hodgkin lymphoma, unspecified, unspecified site
C91.10	Chronic lymphocytic leukemia of B-cell type not having achieved remission

HCC 11 Colorectal, Bladder, and Other Cancers • 0.309

C01	Malignant neoplasm of base of tongue
C02.9	Malignant neoplasm of tongue, unspecified
C07	Malignant neoplasm of parotid gland
C09.9	Malignant neoplasm of tonsil, unspecified
C18.0	Malignant neoplasm of cecum
C18.2	Malignant neoplasm of ascending colon
C18.7	Malignant neoplasm of sigmoid colon
C18.9	Malignant neoplasm of colon, unspecified

HCC 11 Colorectal, Bladder, and Other Cancers • 0.309

C19	Malignant neoplasm of rectosigmoid junction
C20	Malignant neoplasm of rectum
C32.9	Malignant neoplasm of larynx, unspecified
C51.9	Malignant neoplasm of vulva, unspecified
C52	Malignant neoplasm of vagina
C53.0	Malignant neoplasm of endocervix
C64.1	Malignant neoplasm of right kidney, except renal pelvis
C64.2	Malignant neoplasm of left kidney, except renal pelvis
C64.9	Malignant neoplasm of unspecified kidney, except renal pelvis
C67.8	Malignant neoplasm of overlapping sites of bladder
C67.9	Malignant neoplasm of bladder, unspecified

HCC 12 Breast, Prostate, and Other Cancers and Tumors • 0.153

C61	Malignant neoplasm of prostate
C50.919	Malignant neoplasm of unspecified site of unspecified female breast
C80.1	Malignant (primary) neoplasm, unspecified
C50.912	Malignant neoplasm of unspecified site of left female breast
C50.911	Malignant neoplasm of unspecified site of right female breast
C54.1	Malignant neoplasm of endometrium
C50.411	Malignant neoplasm of upper-outer quadrant of right female breast
C73	Malignant neoplasm of thyroid gland
C50.412	Malignant neoplasm of upper-outer quadrant of left female breast
C43.9	Malignant melanoma of skin, unspecified
D32.9	Benign neoplasm of meninges, unspecified

HCC 46 Severe Hematological Disorders • 1.394

D46.9	Myelodysplastic syndrome, unspecified
D46.Z	Other myelodysplastic syndromes
D59.1	Other autoimmune hemolytic anemias
D59.9	Acquired hemolytic anemia, unspecified
D61.9	Aplastic anemia, unspecified
D75.81	Myelofibrosis

HCC 47 Disorders of Immunity • 0.683

D61.810	Antineoplastic chemotherapy induced pancytopenia
D61.818	Other pancytopenia
D70.1	Agranulocytosis secondary to cancer chemotherapy
D70.9	Neutropenia, unspecified
D71	Functional disorders of polymorphonuclear neutrophils
D80.1	Nonfamilial hypogammaglobulinemia
D80.3	Selective deficiency of immunoglobulin G [IgG] subclasses
D83.9	Common variable immunodeficiency, unspecified
D84.9	Immunodeficiency, unspecified
D89.9	Disorder involving the immune mechanism, unspecified

HCC 48 Coagulation Defects and Other Specified Hematologic Disorders • 0.214

D47.3	Essential (hemorrhagic) thrombocythemia
D58.2	Other hemoglobinopathies
D68.51	Activated protein C resistance
D68.59	Other primary thrombophilia
D68.9	Coagulation defect, unspecified
D69.2	Other nonthrombocytopenic purpura
D69.3	Immune thrombocytopenic purpura
D69.6	Thrombocytopenia, unspecified

HCC 17 Diabetes with Acute Complications • 0.307

E08.00	Diabetes mellitus due to underlying condition with hyperosmolarity without nonketotic hyperglycemic-hyperosmolar coma (NKHHC)
E08.10	Diabetes mellitus due to underlying condition with ketoacidosis without coma
E10.10	Type 1 diabetes mellitus with ketoacidosis without coma
E11.00	Type 2 diabetes mellitus with hyperosmolarity without nonketotic hyperglycemic-hyperosmolar coma (NKHHC)
E11.01	Type 2 diabetes mellitus with hyperosmolarity with coma
E11.10	Type 2 diabetes mellitus with ketoacidosis without coma
E11.641	Type 2 diabetes mellitus with hypoglycemia with coma
E13.10	Other specified diabetes mellitus with ketoacidosis without coma

HCC 18 Diabetes with Chronic Complications • 0.307

E10.40	Type 1 diabetes mellitus with diabetic neuropathy, unspecified
E10.41	Type 1 diabetes mellitus with diabetic mononeuropathy
E10.42	Type 1 diabetes mellitus with diabetic polyneuropathy
E10.43	Type 1 diabetes mellitus with diabetic autonomic (poly)neuropathy
E11.21	Type 2 diabetes mellitus with diabetic nephropathy
E11.22	Type 2 diabetes mellitus with diabetic chronic kidney disease
E11.29	Type 2 diabetes mellitus with other diabetic kidney complication
E11.3291	Type 2 diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema, right eye
E11.3292	Type 2 diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema, left eye
E11.3293	Type 2 diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema, bilateral
E11.3299	Type 2 diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema, unspecified eye
E11.40	Type 2 diabetes mellitus with diabetic neuropathy, unspecified
E11.41	Type 2 diabetes mellitus with diabetic mononeuropathy
E11.42	Type 2 diabetes mellitus with diabetic polyneuropathy
E11.51	Type 2 diabetes mellitus with diabetic peripheral angiopathy without gangrene
E11.52	Type 2 diabetes mellitus with diabetic peripheral angiopathy with gangrene
E11.59	Type 2 diabetes mellitus with other circulatory complications
E11.621	Type 2 diabetes mellitus with foot ulcer
E11.622	Type 2 diabetes mellitus with other skin ulcer

HCC 18 Diabetes with Chronic Complications • 0.307

E11.628	Type 2 diabetes mellitus with other skin complications
E11.649	Type 2 diabetes mellitus with Hypoglycemia without coma
E11.65	Type 2 diabetes mellitus with Hyperglycemia
E11.69	Type 2 diabetes mellitus with other specified complication
E11.8	Type 2 diabetes mellitus with unspecified complications

HCC 19 Diabetes without Complications • 0.106

E08.9	Diabetes mellitus due to underlying condition without complications
E09.9	Drug or chemical induced diabetes mellitus without complications
E10.9	Type 1 diabetes mellitus without complications
E11.9	Type 2 diabetes mellitus without complications
E13.9	Other specified diabetes mellitus without complications
Z79.4	Long term (current) use of insulin

HCC 21 Protein-Calorie Malnutrition • 0.554

E43	Unspecified severe protein-calorie malnutrition
E44.0	Moderate protein-calorie malnutrition
E44.1	Mild protein-calorie malnutrition
E46	Unspecified protein-calorie malnutrition
R64	Cachexia

HCC 22 Morbid Obesity • 0.262

E66.01	Morbid (severe) obesity due to excess calories
Z68.41	Body mass index (BMI) 40.0-44.9, adult
Z68.42	Body mass index (BMI) 45.0-49.9, adult
Z68.43	Body mass index (BMI) 50-59.9, adult
Z68.44	Body mass index (BMI) 60.0-69.9, adult
Z68.45	Body mass index (BMI) 70 or greater, adult
E66.2	Morbid (severe) obesity with alveolar hypoventilation

HCC 23 Other Significant Endocrine and Metabolic Disorders • 0.212

E21.0	Primary hyperparathyroidism
E21.1	Secondary hyperparathyroidism, not elsewhere classified
E21.2	Other hyperparathyroidism
E21.3	Hyperparathyroidism, unspecified
E22.2	Syndrome of inappropriate secretion of antidiuretic hormone
E23.0	Hypopituitarism
E27.40	Unspecified adrenocortical insufficiency
E27.49	Other adrenocortical insufficiency
E27.8	Other specified disorders of adrenal gland
E27.9	Disorder of adrenal gland, unspecified
E72.12	Methylenetetrahydrofolate reductase deficiency
N25.81	Secondary hyperparathyroidism of renal origin

HCC 54 Substance Use with Psychotic Complications • 0.368

This is a revised 2019 HCC. There are 309 ICD-10 codes associated with HCC 54 alone. For the full list, please [click here](#).

HCC 55 Substance Use Disorder, Moderate/Severe, or Substance Use with Complications • 0.368

F10.120	Alcohol abuse with intoxication, uncomplicated
F10.121	Alcohol abuse with intoxication delirium
F10.129	Alcohol abuse with intoxication, unspecified
F10.14	Alcohol abuse with alcohol-induced mood disorder
F10.180	Alcohol abuse with alcohol-induced anxiety disorder

HCC 56 Substance Use Disorder, Mild, Except Alcohol and Cannabis • 0.368

F11.10	Opioid abuse, uncomplicated
F11.11	Opioid abuse, in remission
F13.10	Sedative, hypnotic or anxiolytic abuse, uncomplicated
F13.11	Sedative, hypnotic or anxiolytic abuse, in remission
F14.10	Cocaine abuse, uncomplicated
F14.11	Cocaine abuse, in remission
F15.10	Other stimulant abuse, uncomplicated
F15.11	Other stimulant abuse, in remission
F16.10	Hallucinogen abuse, uncomplicated
F16.11	Hallucinogen abuse, in remission
F18.10	Inhalant abuse, uncomplicated
F18.11	Inhalant abuse, in remission
F19.10	Other psychoactive substance abuse, uncomplicated
F19.11	Other psychoactive substance abuse, in remission

HCC 57 Schizophrenia • 0.608

F20.0	Paranoid schizophrenia
F20.89	Other schizophrenia
F20.9	Schizophrenia, unspecified
F25.0	Schizoaffective disorder, bipolar type
F25.1	Schizoaffective disorder, depressive type

HCC 57 Schizophrenia • 0.608

F25.8 Other schizoaffective disorders

F25.9 Schizoaffective disorder, unspecified

HCC 58 Reactive and Unspecified Psychosis • 0.546

F23 Brief psychotic disorder

F28 Other psychotic disorder not due to a substance or known physiological condition

F29 Unspecified psychosis not due to a substance or known physiological condition

F53.1 Puerperal psychosis

HCC 59 Major Depressive, Bipolar, and Paranoid Disorders • 0.353

F22 Delusional disorders

F31.32 Bipolar disorder, current episode depressed, moderate

F31.81 Bipolar II disorder

F31.9 Bipolar disorder, unspecified

F32.0 Major depressive disorder, single episode, mild

F32.1 Major depressive disorder, single episode, moderate

F32.2 Major depressive disorder, single episode, severe without psychotic features

F33.0 Major depressive disorder, recurrent, mild

F33.1 Major depressive disorder, recurrent, moderate

F33.2 Major depressive disorder, recurrent severe without psychotic features

F33.3 Major depressive disorder, recurrent, severe with psychotic symptoms

F33.41 Major depressive disorder, recurrent, in partial remission

F33.42 Major depressive disorder, recurrent, in full remission

F33.8 Other recurrent depressive disorders

F33.9 Major depressive disorder, recurrent, unspecified

F39 Unspecified mood [affective] disorder

HCC 60 Personality Disorders • 0.353

F44.81 Dissociative identity disorder

F60.0 Paranoid personality disorder

F60.3 Borderline personality disorder

HCC 60 Personality Disorders • 0.353

F60.5	Obsessive-compulsive personality disorder
F60.7	Dependent personality disorder
F60.89	Other specific personality disorders
F60.9	Personality disorder, unspecified

HCC 70 Quadriplegia • 1.338

G82.50	Quadriplegia, unspecified
G82.51	Quadriplegia, C1-C4 complete
G82.52	Quadriplegia, C1-C4 incomplete
G82.53	Quadriplegia, C5-C7 complete
G82.54	Quadriplegia, C5-C7 incomplete
R53.2	Functional quadriplegia

HCC 71 Paraplegia • 1.121

G82.20	Paraplegia, unspecified
G82.22	Paraplegia, incomplete
G82.21	Paraplegia, complete

HCC 72 Spinal Cord Disorders/Injuries • 0.519

G11.9	Hereditary ataxia, unspecified
G95.19	Other vascular myelopathies
G95.20	Unspecified cord compression
G95.29	Other cord compression
G95.89	Other specified diseases of spinal cord
G95.9	Disease of spinal cord, unspecified

HCC 73 Amyotrophic Lateral Sclerosis and Other Motor Neuron Diseases • 1.026

G12.20	Motor neuron disease, unspecified
G12.21	Amyotrophic lateral sclerosis
G12.22	Progressive bulbar palsy
G12.23	Primary lateral sclerosis
G12.29	Other motor neuron disease

HCC 74 Cerebral Palsy • 0.354

G80.0	Spastic quadriplegic cerebral palsy
G80.1	Spastic diplegic cerebral palsy
G80.2	Spastic hemiplegic cerebral palsy
G80.3	Athetoid cerebral palsy

HCC 74 Cerebral Palsy • 0.354

- G80.4 Ataxic cerebral palsy
- G80.8 Other cerebral palsy
- G80.9 Cerebral palsy, unspecified

HCC 75 Myasthenia Gravis/Myoneural Disorders, Inflammatory and Toxic Neuropathy • 0.491

- G61.0 Guillain-Barre syndrome
- G61.81 Chronic inflammatory demyelinating polyneuritis
- G62.0 Drug-induced polyneuropathy
- G63 Polyneuropathy in diseases classified elsewhere
- G70.00 Myasthenia gravis without (acute) exacerbation
- G70.01 Myasthenia gravis with (acute) exacerbation
- G70.9 Myoneural disorder, unspecified

HCC 76 Muscular Dystrophy • 0.553

- G71.0 Muscular dystrophy
- G71.11 Myotonic muscular dystrophy
- G71.2 Congenital myopathies

HCC 77 Multiple Sclerosis • 0.441

- G35 Multiple sclerosis
- G36.0 Neuromyelitis optica [Devic]
- G37.8 Other specified demyelinating diseases of central nervous system
- G37.9 Demyelinating disease of central nervous system, unspecified

HCC 78 Parkinson's and Huntington's Disease • 0.686

- G10 Huntington's disease
- G20 Parkinson's disease
- G21.8 Other secondary parkinsonism
- G21.9 Secondary parkinsonism, unspecified
- G23.1 Progressive supranuclear ophthalmoplegia [Steele-Richardson-Olszewski]
- G23.2 Striatonigral degeneration
- G23.8 Other specified degenerative diseases of basal ganglia
- G90.3 Multi-system degeneration of the autonomic nervous system

HCC 79 Seizure Disorders and Convulsions • 0.277

G40.209	Localization-related (focal) (partial) symptomatic epilepsy and epileptic syndromes with complex partial seizures, not intractable, without status epilepticus
G40.211	Localization-related (focal) (partial) symptomatic epilepsy and epileptic syndromes with complex partial seizures, intractable, with status epilepticus
G40.219	Localization-related (focal) (partial) symptomatic epilepsy and epileptic syndromes with complex partial seizures, intractable, without status epilepticus
G40.301	Generalized idiopathic epilepsy and epileptic syndromes, not intractable, with status epilepticus
G40.409	Other generalized epilepsy and epileptic syndromes, not intractable, without status epilepticus
G40.89	Other seizures
G40.901	Epilepsy, unspecified, not intractable, with status epilepticus
G40.909	Epilepsy, unspecified, not intractable, without status epilepticus
G40.911	Epilepsy, unspecified, intractable, with status epilepticus
G40.919	Epilepsy, unspecified, intractable, without status epilepticus
R56.9	Unspecified convulsions

HCC 80 Coma, Brain Compression/Anoxic Damage • 0.575

G93.1	Anoxic brain damage, not elsewhere classified
G93.5	Compression of brain
G93.6	Cerebral edema
R40.20	Unspecified coma

HCC 103 Hemiplegia/Hemiparesis • 0.498

G81.90	Hemiplegia, unspecified affecting unspecified side
G81.91	Hemiplegia, unspecified affecting right dominant side
G81.92	Hemiplegia, unspecified affecting left dominant side
G81.93	Hemiplegia, unspecified affecting right nondominant side
G81.94	Hemiplegia, unspecified affecting left nondominant side
I69.351	Hemiplegia and hemiparesis following cerebral infarction affecting right dominant side
I69.352	Hemiplegia and hemiparesis following cerebral infarction affecting left dominant side
I69.353	Hemiplegia and hemiparesis following cerebral infarction affecting right non-dominant side

HCC 103 Hemiplegia/Hemiparesis • 0.498

169.354	Hemiplegia and hemiparesis following cerebral infarction affecting left non-dominant side
169.359	Hemiplegia and hemiparesis following cerebral infarction affecting unspecified side
169.951	Hemiplegia and hemiparesis following unspecified cerebrovascular disease affecting right dominant side
169.952	Hemiplegia and hemiparesis following unspecified cerebrovascular disease affecting left dominant side
169.954	Hemiplegia and hemiparesis following unspecified cerebrovascular disease affecting left non-dominant side
169.959	Hemiplegia and hemiparesis following unspecified cerebrovascular disease affecting unspecified side

HCC 104 Monoplegia, Other Paralytic Syndromes • 0.368

G83.10	Monoplegia of lower limb affecting unspecified side
G83.11	Monoplegia of lower limb affecting right dominant side
G83.89	Other specified paralytic syndromes
G83.9	Paralytic syndrome, unspecified
169.331	Monoplegia of upper limb following cerebral infarction affecting right dominant side
169.334	Monoplegia of upper limb following cerebral infarction affecting left non-dominant side
169.339	Monoplegia of upper limb following cerebral infarction affecting unspecified side
169.341	Monoplegia of lower limb following cerebral infarction affecting right dominant side
169.344	Monoplegia of lower limb following cerebral infarction affecting left non-dominant side

HCC 122 Proliferative Diabetic Retinopathy and Vitreous Hemorrhage • 0.232

E11.3511	Type 2 diabetes mellitus with proliferative diabetic retinopathy with macular edema, right eye
E11.3512	Type 2 diabetes mellitus with proliferative diabetic retinopathy with macular edema, left eye
E11.3513	Type 2 diabetes mellitus with proliferative diabetic retinopathy with macular edema, bilateral
E11.3591	Type 2 diabetes mellitus with proliferative diabetic retinopathy without macular edema, right eye
E11.3592	Type 2 diabetes mellitus with proliferative diabetic retinopathy without macular edema, left eye
E11.3593	Type 2 diabetes mellitus with proliferative diabetic retinopathy without macular edema, bilateral
E11.3599	Type 2 diabetes mellitus with proliferative diabetic retinopathy without macular edema, unspecified eye
H43.11	Vitreous hemorrhage, right eye
H43.12	Vitreous hemorrhage, left eye

HCC 124 Exudative Macular Degeneration • 0.522

H35.3211	Exudative age-related macular degeneration, right eye, with active choroidal neovascularization
H35.3212	Exudative age-related macular degeneration, right eye, with inactive choroidal neovascularization
H35.3213	Exudative age-related macular degeneration, right eye, with inactive scar
H35.3221	Exudative age-related macular degeneration, left eye, with active choroidal neovascularization
H35.3222	Exudative age-related macular degeneration, left eye, with inactive choroidal neovascularization
H35.3223	Exudative age-related macular degeneration, left eye, with inactive scar
H35.3231	Exudative age-related macular degeneration, bilateral, with active choroidal neovascularization
H35.3232	Exudative age-related macular degeneration, bilateral, with inactive choroidal neovascularization

HCC 85 Congestive Heart Failure • 0.310

I11.0	Hypertensive heart disease with heart failure
I13.0	Hypertensive heart and chronic kidney disease with heart failure and stage 1 through stage 4 chronic kidney disease, or unspecified chronic kidney disease
I13.2	Hypertensive heart and chronic kidney disease with heart failure and with stage 5 chronic kidney disease, or end stage renal disease
I27.0	Primary pulmonary hypertension
I27.20	Pulmonary hypertension, unspecified
I42.0	Dilated cardiomyopathy
I42.8	Other cardiomyopathies
I42.9	Cardiomyopathy, unspecified
I50.22	Chronic systolic (congestive) heart failure
I50.23	Acute on chronic systolic (congestive) heart failure
I50.30	Unspecified diastolic (congestive) heart failure
I50.31	Acute diastolic (congestive) heart failure
I50.32	Chronic diastolic (congestive) heart failure
I50.33	Acute on chronic diastolic (congestive) heart failure
I50.42	Chronic combined systolic (congestive) and diastolic (congestive) heart failure
I50.9	Heart failure, unspecified

HCC 86 Acute Myocardial Infarction • 0.220

I21.4	Non-ST elevation (NSTEMI) myocardial infarction
I21.3	ST elevation (STEMI) myocardial infarction of unspecified site
I21.19	ST elevation (STEMI) myocardial infarction involving other coronary artery of inferior wall
I21.A1	Myocardial infarction type 2
I21.9	Acute myocardial infarction, unspecified
I21.09	ST elevation (STEMI) myocardial infarction involving other coronary artery of anterior wall
I21.11	ST elevation (STEMI) myocardial infarction involving right coronary artery
I21.29	ST elevation (STEMI) myocardial infarction involving other sites
I21.02	ST elevation (STEMI) myocardial infarction involving left anterior descending coronary artery

HCC 87 Unstable Angina and Other Acute Ischemic Heart Diseases • 0.219

I20.0	Unstable angina
I24.8	Other forms of acute ischemic heart disease
I24.9	Acute ischemic heart disease, unspecified
I25.110	Atherosclerotic heart disease of native coronary artery with unstable angina pectoris

HCC 88 Angina Pectoris • 0.143

I25.119	Atherosclerotic heart disease of native coronary artery with unspecified angina pectoris
I20.9	Angina pectoris, unspecified
I25.118	Atherosclerotic heart disease of native coronary artery with other forms of angina pectoris
I25.111	Atherosclerotic heart disease of native coronary artery with angina pectoris with documented spasm
I20.8	Other forms of angina pectoris
I20.1	Angina pectoris with documented spasm

HCC 96 Specified Heart Arrhythmias • 0.271

I44.2	Atrioventricular block, complete
I47.1	Supraventricular tachycardia
I47.2	Ventricular tachycardia
I47.9	Paroxysmal tachycardia, unspecified
I48.0	Paroxysmal atrial fibrillation
I48.1	Persistent atrial fibrillation
I48.2	Chronic atrial fibrillation
I48.3	Typical atrial flutter
I48.4	Atypical atrial flutter
I48.91	Unspecified atrial fibrillation
I48.92	Unspecified atrial flutter
I49.5	Sick sinus syndrome

HCC 99 Intracranial Hemorrhage • 0.276

I60.9	Nontraumatic subarachnoid hemorrhage, unspecified
I61.8	Other nontraumatic intracerebral hemorrhage
I61.9	Nontraumatic intracerebral hemorrhage, unspecified

HCC 99 Intracranial Hemorrhage • 0.276

162.00	Nontraumatic subdural hemorrhage, unspecified
162.01	Nontraumatic acute subdural hemorrhage
162.02	Nontraumatic subacute subdural hemorrhage
162.03	Nontraumatic chronic subdural hemorrhage
162.9	Nontraumatic intracranial hemorrhage, unspecified

HCC 100 Ischemic or Unspecified Stroke • 0.276

163.40	Cerebral infarction due to embolism of unspecified cerebral artery
163.411	Cerebral infarction due to embolism of right middle cerebral artery
163.412	Cerebral infarction due to embolism of left middle cerebral artery
163.50	Cerebral infarction due to unspecified occlusion or stenosis of unspecified cerebral artery
163.511	Cerebral infarction due to unspecified occlusion or stenosis of right middle cerebral artery
163.512	Cerebral infarction due to unspecified occlusion or stenosis of left middle cerebral artery
163.8	Other cerebral infarction
163.9	Cerebral infarction, unspecified

HCC 106 Atherosclerosis of the Extremities with Ulceration or Gangrene • 1.537

E11.52	Type 2 diabetes mellitus with diabetic peripheral angiopathy with gangrene
I96	Gangrene, not elsewhere classified
I70.235	Atherosclerosis of native arteries of right leg with ulceration of other part of foot
I70.245	Atherosclerosis of native arteries of left leg with ulceration of other part of foot

HCC 107 Vascular Disease with Complications • 0.401

I26.09	Other pulmonary embolism with acute cor pulmonale
I26.99	Other pulmonary embolism without acute cor pulmonale
I27.82	Chronic pulmonary embolism
I74.3	Embolism and thrombosis of arteries of the lower extremities
I74.5	Embolism and thrombosis of iliac artery
I74.8	Embolism and thrombosis of other arteries
I74.9	Embolism and thrombosis of unspecified artery
I83.009	Varicose veins of unspecified lower extremity with ulcer of unspecified site

HCC 108 Vascular Disease • 0.305

E11.51	Type 2 diabetes mellitus with diabetic peripheral angiopathy without gangrene
E11.52	Type 2 diabetes mellitus with diabetic peripheral angiopathy with gangrene
I70.0	Atherosclerosis of aorta
I70.1	Atherosclerosis of renal artery
I70.201	Unspecified atherosclerosis of native arteries of extremities, right leg
I70.202	Unspecified atherosclerosis of native arteries of extremities, left leg
I70.203	Unspecified atherosclerosis of native arteries of extremities, bilateral legs
I70.208	Unspecified atherosclerosis of native arteries of extremities, other extremity
I70.209	Unspecified atherosclerosis of native arteries of extremities, unspecified extremity
I70.211	Atherosclerosis of native arteries of extremities with intermittent claudication, right leg
I70.212	Atherosclerosis of native arteries of extremities with intermittent claudication, left leg
I70.213	Atherosclerosis of native arteries of extremities with intermittent claudication, bilateral legs
I70.293	Other atherosclerosis of native arteries of extremities, bilateral legs
I71.2	Thoracic aortic aneurysm, without rupture
I71.4	Abdominal aortic aneurysm, without rupture
I73.89	Other specified peripheral vascular diseases
I73.9	Peripheral vascular disease, unspecified
I77.1	Stricture of artery
I77.810	Thoracic aortic ectasia
I77.811	Abdominal aortic ectasia
I77.819	Aortic ectasia, unspecified site
I82.401	Acute embolism and thrombosis of unspecified deep veins of right lower extremity
I82.402	Acute embolism and thrombosis of unspecified deep veins of left lower extremity
I82.403	Acute embolism and thrombosis of unspecified deep veins of lower extremity, bilateral
I82.409	Acute embolism and thrombosis of unspecified deep veins of unspecified lower extremity

HCC 82 Respirator Dependence/Tracheostomy Status • 1.051

J95.03	Malfunction of tracheostomy stoma
J95.09	Other tracheostomy complication
Z43.0	Encounter for attention to tracheostomy
Z93.0	Tracheostomy status
Z99.11	Dependence on respirator [ventilator] status

HCC 83 Respiratory Arrest • 0.404

R09.2	Respiratory arrest
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HCC 84 Cardio-Respiratory Failure and Shock • 0.314

I46.9	Cardiac arrest, cause unspecified
J81.0	Acute pulmonary edema
J96.00	Acute respiratory failure, unspecified whether with hypoxia or hypercapnia
J96.01	Acute respiratory failure with hypoxia
J96.02	Acute respiratory failure with hypercapnia
J96.10	Chronic respiratory failure, unspecified whether with hypoxia or hypercapnia
J96.11	Chronic respiratory failure with hypoxia
J96.12	Chronic respiratory failure with hypercapnia
J96.20	Acute and chronic respiratory failure, unspecified whether with hypoxia or hypercapnia
J96.21	Acute and chronic respiratory failure with hypoxia
J96.22	Acute and chronic respiratory failure with hypercapnia
J96.90	Respiratory failure, unspecified, unspecified whether with hypoxia or hypercapnia
J96.91	Respiratory failure, unspecified with hypoxia

HCC 110 Cystic Fibrosis • 0.509

E84.0	Cystic fibrosis with pulmonary manifestations
E84.8	Cystic fibrosis with other manifestations
E84.9	Cystic fibrosis, unspecified
E84.11	Meconium ileus in cystic fibrosis
E84.19	Cystic fibrosis with other intestinal manifestations

HCC 111 Chronic Obstructive Pulmonary Disease • 0.335

J42	Unspecified chronic bronchitis
J43.2	Centrilobular emphysema
J43.8	Other emphysema
J43.9	Emphysema, unspecified
J44.0	Chronic obstructive pulmonary disease with acute lower respiratory infection
J44.1	Chronic obstructive pulmonary disease with (acute) exacerbation
J44.9	Chronic obstructive pulmonary disease, unspecified

HCC 112 Fibrosis of Lung and Other Chronic Lung Disorders • 0.216

D86.0	Sarcoidosis of lung
J47.1	Bronchiectasis with (acute) exacerbation
J47.9	Bronchiectasis, uncomplicated
J84.10	Pulmonary fibrosis, unspecified
J84.112	Idiopathic pulmonary fibrosis
J84.89	Other specified interstitial pulmonary diseases
J84.9	Interstitial pulmonary disease, unspecified

HCC 114 Aspiration and Specified Bacterial Pneumonias • 0.612

J15.1	Pneumonia due to Pseudomonas
J15.212	Pneumonia due to Methicillin resistant Staphylococcus aureus
J15.6	Pneumonia due to other aerobic Gram-negative bacteria
J15.8	Pneumonia due to other specified bacteria
J69.0	Pneumonitis due to inhalation of food and vomit

HCC 115 Pneumococcal Pneumonia, Empyema, Lung Abscess • 0.164

J13	Pneumonia due to Streptococcus pneumoniae
J14	Pneumonia due to Hemophilus influenzae
J15.3	Pneumonia due to streptococcus, group B
J15.4	Pneumonia due to other streptococci
J18.1	Lobar pneumonia, unspecified organism
J86.0	Pyothorax with fistula
J86.9	Pyothorax without fistula

HCC 27 End-Stage Liver Disease • 0.913

I85.00	Esophageal varices without bleeding
I85.01	Esophageal varices with bleeding
I85.10	Secondary esophageal varices without bleeding
I85.11	Secondary esophageal varices with bleeding
K72.10	Chronic hepatic failure without coma
K72.11	Chronic hepatic failure with coma
K72.90	Hepatic failure, unspecified without coma
K72.91	Hepatic failure, unspecified with coma
K76.6	Portal hypertension

HCC 28 Cirrhosis of Liver • 0.381

K70.30	Alcoholic cirrhosis of liver without ascites
K70.31	Alcoholic cirrhosis of liver with ascites
K74.3	Primary biliary cirrhosis
K74.60	Unspecified cirrhosis of liver
K74.69	Other cirrhosis of liver

HCC 29 Chronic Hepatitis • 0.153

B18.1	Chronic viral hepatitis B without delta-agent
B18.2	Chronic viral hepatitis C
B18.9	Chronic viral hepatitis, unspecified
K73.9	Chronic hepatitis, unspecified
K75.4	Autoimmune hepatitis

HCC 33 Intestinal Obstruction/Perforation • 0.243

K56.0	Paralytic ileus
K56.41	Fecal impaction
K56.609	Unspecified intestinal obstruction, unspecified as to partial versus complete obstruction
K56.690	Other partial intestinal obstruction
K56.699	Other intestinal obstruction unspecified as to partial versus complete obstruction
K56.7	Ileus, unspecified

HCC 33 Intestinal Obstruction/Perforation • 0.243

K63.1 Perforation of intestine (nontraumatic)

K65.1 Peritoneal abscess

K65.9 Peritonitis, unspecified

HCC 34 Chronic Pancreatitis • 0.308

K86.0 Alcohol-induced chronic pancreatitis

K86.1 Other chronic pancreatitis

HCC 35 Inflammatory Bowel Disease • 0.315

K50.00 Crohn's disease of small intestine without complications

K50.10 Crohn's disease of large intestine without complications

K50.80 Crohn's disease of both small and large intestine without complications

K50.90 Crohn's disease, unspecified, without complications

K51.00 Ulcerative (chronic) pancolitis without complications

K51.90 Ulcerative colitis, unspecified, without complications

HCC 157 Pressure Ulcer of Skin with Necrosis Through Muscle, Tendon or Bone • 2.112

L89.154	Pressure ulcer of sacral region, stage 4
L89.304	Pressure ulcer of unspecified buttock, stage 4
L89.314	Pressure ulcer of right buttock, stage 4
L89.324	Pressure ulcer of left buttock, stage 4
L89.894	Pressure ulcer of other site, stage 4
L89.94	Pressure ulcer of unspecified site, stage 4

HCC 158 Pressure Ulcer of Skin with Full Thickness Skin Loss • 1.153

L89.150	Pressure ulcer of sacral region, unstageable
L89.153	Pressure ulcer of sacral region, stage 3
L89.310	Pressure ulcer of right buttock, unstageable
L89.313	Pressure ulcer of right buttock, stage 3
L89.320	Pressure ulcer of left buttock, unstageable
L89.323	Pressure ulcer of left buttock, stage 3
L89.610	Pressure ulcer of right heel, unstageable
L89.613	Pressure ulcer of right heel, stage 3
L89.620	Pressure ulcer of left heel, unstageable
L89.890	Pressure ulcer of other site, unstageable
L89.893	Pressure ulcer of other site, stage 3

HCC 161 Chronic Ulcer of Skin, Except Pressure • 0.551

E11.621	Type 2 diabetes mellitus with foot ulcer
E11.622	Type 2 diabetes mellitus with other skin ulcer
L97.509	Non-pressure chronic ulcer of other part of unspecified foot with unspecified severity
L97.511	Non-pressure chronic ulcer of other part of right foot limited to breakdown of skin
L97.512	Non-pressure chronic ulcer of other part of right foot with fat layer exposed
L97.519	Non-pressure chronic ulcer of other part of right foot with unspecified severity
L97.521	Non-pressure chronic ulcer of other part of left foot limited to breakdown of skin
L97.522	Non-pressure chronic ulcer of other part of left foot with fat layer exposed
L97.529	Non-pressure chronic ulcer of other part of left foot with unspecified severity

HCC 161 Chronic Ulcer of Skin, Except Pressure • 0.551

L97.811	Non-pressure chronic ulcer of other part of right lower leg limited to breakdown of skin
L97.821	Non-pressure chronic ulcer of other part of left lower leg limited to breakdown of skin
L97.919	Non-pressure chronic ulcer of unspecified part of right lower leg with unspecified severity
L97.929	Non-pressure chronic ulcer of unspecified part of left lower leg with unspecified severity
L98.491	Non-pressure chronic ulcer of skin of other sites limited to breakdown of skin
L98.499	Non-pressure chronic ulcer of skin of other sites with unspecified severity

HCC 162 Severe Skin Burn or Condition • 0.262

L12.30	Acquired epidermolysis bullosa, unspecified
L51.1	Stevens-Johnson syndrome
L51.2	Toxic epidermal necrolysis [Lyell]
T31.11	Burns involving 10-19% of body surface with 10-19% third degree burns
T31.33	Burns involving 30-39% of body surface with 30-39% third degree burns

HCC 39 Bone, Joint and Muscle Infections/Necrosis • 0.431

M00.9	Pyogenic arthritis, unspecified
M86.171	Other acute osteomyelitis, right ankle and foot
M86.172	Other acute osteomyelitis, left ankle and foot
M86.8X7	Other osteomyelitis, ankle and foot
M86.9	Osteomyelitis, unspecified
M87.051	Idiopathic aseptic necrosis of right femur
M87.052	Idiopathic aseptic necrosis of left femur
M87.9	Osteonecrosis, unspecified

HCC 40 Rheumatoid Arthritis and Inflammatory Connective Tissue Disease • 0.426

M05.79	Rheumatoid arthritis with rheumatoid factor of multiple sites without organ or systems involvement
M05.9	Rheumatoid arthritis with rheumatoid factor, unspecified
M06.00	Rheumatoid arthritis without rheumatoid factor, unspecified site
M06.09	Rheumatoid arthritis without rheumatoid factor, multiple sites
M06.4	Inflammatory polyarthropathy
M06.9	Rheumatoid arthritis, unspecified
M32.9	Systemic lupus erythematosus, unspecified
M35.00	Sicca syndrome, unspecified
M35.01	Sicca syndrome with keratoconjunctivitis
M35.3	Polymyalgia rheumatica
M46.1	Sacroiliitis, not elsewhere classified

HCC 169 Vertebral Fractures without Spinal Cord Injury • 0.508

M48.50XA	Collapsed vertebra, not elsewhere classified, site unspecified, initial encounter for fracture
M48.54XA	Collapsed vertebra, not elsewhere classified, thoracic region, initial encounter for fracture
M48.56XA	Collapsed vertebra, not elsewhere classified, lumbar region, initial encounter for fracture
M80.08XA	Age-related osteoporosis with current pathological fracture, vertebra(e), initial encounter for fracture
S32.010A	Wedge compression fracture of first lumbar vertebra, initial encounter for closed fracture

HCC 134 Dialysis Status • 0.474

T82.49XA	Other complication of vascular dialysis catheter, initial encounter
Z49.01	Encounter for fitting and adjustment of extracorporeal dialysis catheter
Z49.02	Encounter for fitting and adjustment of peritoneal dialysis catheter
Z91.15	Patient's noncompliance with renal dialysis
Z99.2	Dependence on renal dialysis

HCC 135 Acute Renal Failure • 0.474

N17.0	Acute kidney failure with tubular necrosis
N17.8	Other acute kidney failure
N17.9	Acute kidney failure, unspecified

HCC 136 Chronic Kidney Disease, Stage 5 • 0.284

I12.0	Hypertensive chronic kidney disease with stage 5 chronic kidney disease or end stage renal disease
I13.2	Hypertensive heart and chronic kidney disease with heart failure and with stage 5 chronic kidney disease, or end stage renal disease
I13.11	Hypertensive heart and chronic kidney disease without heart failure, with stage 5 chronic kidney disease, or end stage renal disease
N18.5	Chronic kidney disease, stage 5
N18.6	End stage renal disease

HCC 137 Chronic Kidney Disease, Stage 4 Severe • 0.284

N18.4	Chronic kidney disease, stage 4 (severe)
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HCC 138 Chronic Kidney Disease, Moderate Stage 3 • 0.068

N18.3	Chronic kidney disease, stage 3 (moderate)
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HCC 166 Severe Head Injury • 0.575

S06.2X5A	Diffuse traumatic brain injury with loss of consciousness greater than 24 hours with return to pre-existing conscious levels, initial encounter
S06.2X6A	Diffuse traumatic brain injury with loss of consciousness greater than 24 hours without return to pre-existing conscious level with patient surviving, initial encounter
S06.9X6A	Unspecified intracranial injury with loss of consciousness greater than 24 hours without return to pre-existing conscious level with patient surviving, initial encounter

HCC 167 Major Head Injury • 0.143

S06.5X0A	Traumatic subdural hemorrhage without loss of consciousness, initial encounter
S06.5X9A	Traumatic subdural hemorrhage with loss of consciousness of unspecified duration, initial encounter
S06.6X0A	Traumatic subarachnoid hemorrhage without loss of consciousness, initial encounter
S06.6X9A	Traumatic subarachnoid hemorrhage with loss of consciousness of unspecified duration, initial encounter
S06.9X0A	Unspecified intracranial injury without loss of consciousness, initial encounter
S06.9X0S	Unspecified intracranial injury without loss of consciousness, sequela
S06.9X9A	Unspecified intracranial injury with loss of consciousness of unspecified duration, initial encounter
S06.9X9S	Unspecified intracranial injury with loss of consciousness of unspecified duration, sequela

HCC 170 Hip Fracture/Dislocation • 0.406

S32.591A	Other specified fracture of right pubis, initial encounter for closed fracture
S32.592A	Other specified fracture of left pubis, initial encounter for closed fracture
S72.001A	Fracture of unspecified part of neck of right femur, initial encounter for closed fracture
S72.002A	Fracture of unspecified part of neck of left femur, initial encounter for closed fracture
S72.141A	Displaced intertrochanteric fracture of right femur, initial encounter for closed fracture
S72.142A	Displaced intertrochanteric fracture of left femur, initial encounter for closed fracture
S72.91XA	Unspecified fracture of right femur, initial encounter for closed fracture
S72.92XA	Unspecified fracture of left femur, initial encounter for closed fracture

HCC 173 Traumatic Amputations and Complications • 0.249

S88.111A	Complete traumatic amputation at level between knee and ankle, right lower leg, initial encounter
S88.112A	Complete traumatic amputation at level between knee and ankle, left lower leg, initial encounter
T79.2XXA	Traumatic secondary and recurrent hemorrhage and seroma, initial encounter
T79.4XXA	Traumatic shock, initial encounter

HCC 173 Traumatic Amputation and Complications • 0.249

T79.6XXA Traumatic ischemia of muscle, initial encounter

T79.7XXA Traumatic subcutaneous emphysema, initial encounter

HCC 176 Complications of Specified Implanted Device or Graft • 0.609

T82.7XXA Infection and inflammatory reaction due to other cardiac and vascular devices, implants and grafts, initial encounter

T82.858A Stenosis of other vascular prosthetic devices, implants and grafts, initial encounter

T82.868A Thrombosis due to vascular prosthetic devices, implants and grafts, initial encounter

T82.898A Other specified complication of vascular prosthetic devices, implants and grafts, initial encounter

T83.511A Infection and inflammatory reaction due to indwelling urethral catheter, initial encounter

T83.89XA Other specified complication of genitourinary prosthetic devices, implants and grafts, initial encounter

T83.9XXA Unspecified complication of genitourinary prosthetic device, implant and graft, initial encounter

T84.84XA Pain due to internal orthopedic prosthetic devices, implants and grafts, initial encounter

HCC 186 Major Organ Transplant or Replacement Status • 0.855

Z48.21	Encounter for aftercare following heart transplant
Z48.23	Encounter for aftercare following liver transplant
Z48.24	Encounter for aftercare following lung transplant
Z48.290	Encounter for aftercare following bone marrow transplant
Z94.1	Heart transplant status
Z94.2	Lung transplant status
Z94.4	Liver transplant status
Z94.81	Bone marrow transplant status
Z94.83	Pancreas transplant status
Z94.84	Stem cells transplant status
Z95.811	Presence of heart assist device

HCC 188 Artificial Openings for Feeding or Elimination • 0.581

K94.23	Gastrostomy malfunction
Z43.1	Encounter for attention to gastrostomy
Z43.2	Encounter for attention to ileostomy
Z43.3	Encounter for attention to colostomy
Z43.4	Encounter for attention to other artificial openings of digestive tract
Z43.5	Encounter for attention to cystostomy
Z43.6	Encounter for attention to other artificial openings of urinary tract
Z93.1	Gastrostomy status
Z93.2	Ileostomy status
Z93.3	Colostomy status

HCC 189 Amputation Status, Lower Limb/Amputation Complications • 0.567

G54.6	Phantom limb syndrome with pain
Z89.421	Acquired absence of other right toe(s)
Z89.422	Acquired absence of other left toe(s)
Z89.511	Acquired absence of right leg below knee
Z89.512	Acquired absence of left leg below knee
Z89.611	Acquired absence of right leg above knee
Z89.612	Acquired absence of left leg above knee

Tips for Educating Providers

Encourage, Remind, Caution and Educate

Encourage your providers to:



Keep problem lists up to date and accurate.



Document each patient encounter as if it is the *only* encounter.

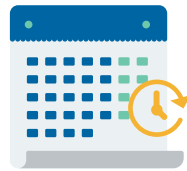


Select the most *specific* ICD-10 supported by their documentation.



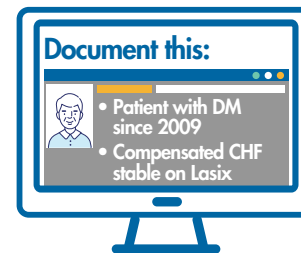
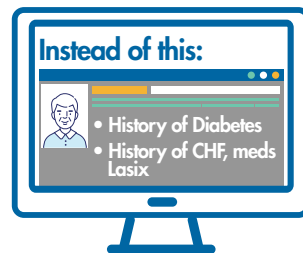
Review and document conditions managed by a *specialist*.

Remind your providers that:



All *chronic conditions* need to be documented at least once annually.

Caution your providers *against*:



Using the term “history of” in the progress note for a condition that is chronic, but currently stable.

Tell your patient's story:

The only visibility insurers have to the care you provide and the conditions you manage is through **coding**.

Educate your providers on:

A common acronym utilized by coders to identify documentation that supports coding accuracy :M-E-A-T (Monitor, Evaluate, Assess/Address and Treat.)

Including one or more of the M-E-A-T details in face-to-face visit documentation puts providers on the path to success in capturing risk! (see page 42)



M monitor

signs, symptoms, ordering or reviewing and referencing of tests/labs, disease progression or disease regression.



E evaluate

test results, medication effectiveness, physical exam findings and response to treatment.



A assess or address

by discussion, acknowledging, reviewing records, documenting status/level conditions and counseling.



T treat

with prescribing/continuation of medications, referral to specialist for treatment/consultation, surgical/other therapeutic interventions and plan for management of condition(s).

Comprehensive Documentation Examples:

- **CHF:** Stable - no notable edema or dyspnea. Continue Lasix, lisinopril and bisoprolol.
- **GERD:** No complaints. Symptoms controlled by meds.
- **AAA:** Abdominal ultrasound ordered.
- **Major depression:** Continued feelings of hopelessness. Will refer to psychiatrist.

TIPS

- Document each patient encounter as if it is the only encounter.
- All chronic and complex conditions should be reviewed and documented annually.
- Review and document conditions managed by a specialist.
- Review and update the patient's active problem list at each visit.
- Avoid using the words "history of" in the progress note for a condition that is chronic, but currently stable—such as COPD, DM or Atrial fibrillation.

CMS-HCC/ICD-10

Coder Reference Guide 2019

Learn More about Medical Risk Adjustment

- ▶ Watch our education module and earn CME credits at NebraskaHealthNetwork.com/resources
- ▶ Want to learn more? Contact us at: nhn@nebraskahealthnetwork.com