

ICD 10	V28 RAF Value	V28 HCC Diagnosis Description
The Risk Adjustment Factor (RAF) values listed below are for the patients/members who fall in the HCC sub model of "Aged into Medicare" and Living in the community.		
<b>Diabetes With and Without Complications</b>		
E11.65	0.166	Type 2 diabetes mellitus with hyperglycemia
E11.9	0.166	Type 2 diabetes mellitus without complication
Z79.4	0.166	Long term (current) use of insulin
E11.21	0.166	Type 2 diabetes mellitus with diabetic nephropathy
E11.22	0.166	Type 2 diabetes mellitus with CKD – <b>You must add the CKD Stage 1-6 (N18.1 - N18.6) diagnosis.</b>
E11.3xxx	0.166	Type 2 diabetes mellitus with ophthalmic complications
E11.36	0.166	Type 2 diabetes mellitus with diabetic cataract
E11.42	0.166	Type 2 diabetes mellitus with diabetic polyneuropathy
E11.51	0.166	Type 2 diabetes mellitus with diabetic peripheral angiopathy without gangrene
E11.59	0.166	Type 2 diabetes mellitus with other circulatory complications - <b>You must add the "other circulatory" diagnosis.</b>
E11.621	0.166	Type 2 diabetes mellitus with foot ulcer - <b>Include the foot ulcer (L97.4xx - L97.5xx) diagnosis.</b>
<b>Chronic Kidney Disease</b>		
N18.31	0.127	Chronic kidney disease, Stage 3a, eGFR 45-59
N18.32	0.127	Chronic kidney disease, Stage 3b, eGFR 30-44
N18.4	0.514	Chronic kidney disease, Stage 4, eGFR 14-29
N18.5	0.815	Chronic kidney disease, Stage 5, eGFR <15
N18.6	0.815	End Stage Renal disease
<b>Morbid (Severe) Obesity</b>		
BMI 35.0-39.9 with weight related comorbidity should be coded as E66.01 or severe obesity. Any BMI ≥ 40.0 is severe or morbid obesity. <b>Include the patient's BMI as a secondary diagnosis. BMI should NEVER be coded alone.</b>		
E66.01	0.186	Morbid (severe) obesity
E66.2	0.186	Morbid (severe) obesity with alveolar hypoventilation
Z68.41	0.186	Body mass index (BMI) 40.0 - 44.9
Z68.42	0.186	Body mass index (BMI) 45.0 - 49.9
Z68.43	0.186	Body mass index (BMI) 50.0 - 59.9
<b>Dermatology - Ulcers</b>		
L97.409	0.646	Non-pressure chronic ulcer of unspecified heel and midfoot, unspecified severity
L97.509	0.646	Non-pressure chronic ulcer of unspecified other part of foot, unspecified severity and location

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<b>Hypertensive Heart and Kidney Disease</b>		
Dual diagnosis codes - Hypertension does not risk adjust, yet patients in these diagnosis groups are removed from the denominator for Controlling High Blood Pressure quality metric. Heart failure and CKD stages 3-5 and ESRD diagnoses risk adjust.		
I11.0	0.360	Hypertensive heart disease with heart failure
I11.9	0.000	Hypertensive heart disease without heart failure
I12.0	0.815	Hypertensive chronic kidney disease stage 5 CKD or ESRD
I12.9	0.000 - 0.514	Hypertensive chronic kidney disease stage 1-4 CKD, or unspecified CKD
I13.0	0.360 - 0.874	Hypertensive heart and chronic kidney disease with heart failure and stage 1-4 or unspecified CKD
I13.11	0.815	Hypertensive heart and chronic kidney disease without heart failure and stage 5 CKD or ESRD
I13.2	1.175	Hypertensive heart and chronic kidney disease with heart failure and stage 5 CKD or ESRD
<b>Cardiovascular</b>		
Unstable angina risk adjusts. Unspecified or stable angina no longer risk adjusts.		
I50.9	0.360	Heart failure, unspecified (Pre-CHF stage B)
I50.1	0.360	Left ventricular failure
I50.2	0.360	Chronic systolic (congestive) heart failure
I50.32	0.360	Chronic diastolic (congestive) heart failure
I50.812	0.360	Chronic right heart failure
I42.9	0.189	Cardiomyopathy, unspecified
I44.2	0.299	Atrioventricular block, complete
I47.9	0.299	Paroxysmal tachycardia, unspecified
I48.0	0.299	Paroxysmal atrial fibrillation
I48.11	0.299	Long standing persistent atrial fibrillation
I48.20	0.299	Chronic atrial fibrillation, unspecified
I48.3	0.299	Typical atrial flutter
I48.4	0.299	Atypical atrial flutter
I49.5	0.299	Sick Sinus Syndrome
<b>Circulatory</b>		
Vascular and arterial disease must have pain at rest or ulceration. Incidental findings no longer risk adjust.		
I70.22x	0.455	Atherosclerosis of native arteries of extremities with pain at rest, "x" leg. <b>(Specify laterality)</b>
I70.229	0.455	Atherosclerosis of native arteries of extremities with pain at rest, unspecified extremity
I74.3	0.455	Embolism and thrombosis of arteries of lower extremities
I82.509	0.294	Chronic embolism and thrombosis of unspecified deep veins of unspecified lower extremity

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<b>Oncology</b>		
Treatment and adjunct therapies (such as oral chemotherapy), watchful waiting, and refusal of treatment qualify as an ACTIVE disease process. Surveillance after successful treatment or surgical intervention is considered "history of" the disease.		
C00 - C76		Primary Neoplasms
C77 - C79		Secondary or Metastatic Neoplasms
C34.9x	1.136	Malignant neoplasm of bronchus or lung (Specify laterality)
C43.9	0.186	Malignant melanoma of skin, unspecified
C50.xxx	0.186	Malignant neoplasm of breast
C61	0.186	Malignant neoplasm of prostate
C71.9	1.136	Malignant neoplasm of brain unspecified
<b>Neurology</b>		
F01.50	0.341	Vascular dementia unspecified severity without behavioral disturbance
F01.51	0.341	Vascular dementia with behavioral disturbance
F01.B4	0.341	Vascular dementia moderate with anxiety
G30.0	0.341	Alzheimer's disease with early onset
G30.1	0.341	Alzheimer's disease with late onset
G35	0.641	Multiple sclerosis
G20	0.615	Parkinson's disease
<b>Respiratory</b>		
J41.0	0.319	Simple chronic bronchitis (smoker's cough)
J43.1	0.319	Panlobular emphysema
J43.2	0.319	Centrilobular emphysema
J43.9	0.319	Emphysema, unspecified
J44.9	0.319	Chronic obstructive pulmonary disease, unspecified
J45.50	0.818	Severe persistent asthma, uncomplicated
J45.51	0.818	Severe persistent asthma with (acute) exacerbation
J96.11	0.370	Chronic respiratory failure with hypoxia
J84.10	0.319	Pulmonary fibrosis (pulmonary granuloma)
<b>Gastroenterology</b>		
K50.xx	0.550	Crohn's disease
K51.xx	0.244	Ulcerative colitis
K70.10	0.185	Alcoholic hepatitis without ascites
K70.30	0.447	Alcoholic cirrhosis of liver without ascites
K73.9	0.185	Chronic hepatitis, unspecified
<b>Rheumatology</b>		
M05.7xx	0.617	Rheumatoid arthritis with rheumatoid factor
M06.4	0.268	Inflammatory polyarthropathy

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<b>Psychiatry</b>		
Best practice - Substance use, abuse, and dependence diagnoses - clear documentation noting the substance, counselling, and plan.		
F10.14	0.242	Alcohol abuse with alcohol-induced mood disorder
F10.20	0.242	Alcohol dependence, uncomplicated
F10.27	0.242	Alcohol dependence with alcohol-induced persisting dementia
F11.20	0.424	Opioid dependence, uncomplicated
F11.21	0.424	Opioid dependence, in remission
F12.20	0.424	Cannabis dependence, uncomplicated
F19.10	0.423	Other psychoactive substance abuse (Polysubstance abuse)
F20.0	0.511	Paranoid schizophrenia
F20.9	0.511	Schizophrenia, unspecified
F31.60	0.351	Bipolar disorder , current episode mixed, unspecified
F31.81	0.351	Bipolar II disorder
F32.1	0.299	Major depressive disorder, single episode, moderate
F32.2	0.299	Major depressive disorder, single episode, severe
F32.3	0.484	Major depressive disorder, single episode, severe with psychotic features
F33.1	0.299	Major depressive disorder, recurrent episode, moderate
F33.2	0.299	Major depressive disorder, recurrent episode, severe
F33.3	0.484	Major depressive disorder, recurrent episode, severe with psychotic features
F60.9	0.396	Personality disorder, unspecified
<b>Amputations and Ostomies</b>		
Z89.43x	0.598	Acquired absence of foot
Z89.51x	0.598	Acquired absence of leg below knee
Z89.61x	0.598	Acquired absence of leg above knee
Z93.0	0.673	Tracheostomy status
Z93.1	0.673	Gastrostomy status
Z93.2	0.673	Ileostomy status
Z93.3	0.673	Colostomy status
<b>Disease Interactions</b>		
Best practice recommends that a diagnosis from each eligible HCC group be added and documented in the same day of service encounter. The additional RAF value for the Substance Use & Psychiatric Disorders is only available to patients who are considered "disabled" in the HCC model.		
Diabetes & Heart Failure		0.112
Heart Failure & Chronic Lung Disorder		0.078
Heart Failure & Kidney Disease		0.176
Chronic Lung Disorder & Cardiorespiratory Failure		0.254
Heart Failure & Specified Heart Arrhythmias		0.077
Substance Use & Psychiatric Disorders		0.152