

GBUACO Primary Care Coding Cards

Type 2 Diabetes	ICD10	HCC	Risk
Type 2 diabetes without complications	E11.9	19	0.105
Type 2 diabetes with hyperglycemia	E11.65	18	0.302
Type 2 diabetes with hypoglycemia, no coma	E11.649	18	0.302
Type 2 diabetes with mild retinopathy	E11.319	18	0.302
Type 2 diabetes with diabetic CKD	E11.22	18	0.302
Type 2 diabetes with polyneuropathy	E11.42	18	0.302
Type 2 diabetes with foot ulcer	E11.621	18,161	0.515
Long term (current) insulin use	Z79.4	19	0.105

TIPS

Type 2 DM always has HCC weight
Document as specifically as possible
Any complication must also be added as a separate Dx

Chronic Kidney Disease	ICD10	HCC#	Risk
Chronic kidney disease stage 1	N18.1	-	-
Chronic kidney disease stage 2 (mild)	N18.2	-	-
Chronic kidney disease stage 3 (moderate)	N18.3	138	0.069
Chronic kidney disease stage 4 (severe)	N18.4	137	0.289
Chronic kidney disease stage 5	N18.5	136	0.289
End stage renal disease (ESRD)	N18.6	136	0.289

TIPS

Stage 2: EGFR > 60, microalbumin creatinine > 30
Stage 3: EGFR 30-59
Stage 4: EGFR 15-29
Stage 5: EGFR < 15
ESRD: Dependent on dialysis

Cardiac Disease	ICD10	HCC#	Risk
Secondary pulmonary hypertension	I27.2	-	-
Cardiomyopathy	I42.9	85	0.331
Congestive Heart Failure	I50.9	85	0.331
Atrial fibrillation	I48.91	96	0.268
Sick sinus syndrome	I49.5	96	0.268
Ventricular fibrillation	I49.01	84	0.282
Ventricular flutter	I49.02	84	0.282

Hypertension	ICD10	HCC#	Risk
HTN without heart failure	I11.9	-	-
HTN with congestive heart failure (CHF)	I11.0	85	0.331
HTN with CKD stage 5, or ESRD	I12.0	136	0.289
HTN with CHF + CKD stage 1-4	I13.0	85	0.331
HTN with CHF + CKD stage 5, or ESRD	I13.2	85	0.331
HTN + CKD stage 5 or ESRD, without CHF	I13.11	136	0.289
HTN and CKD stage 5 or ESRD, with CHF	I13.2	85	0.331

TIPS

Essential HTN has no HCC weight
Relationship must be explicitly documented

Vascular Disease	ICD10	HCC#	Risk
Peripheral vascular disease	I73.9	108	0.302
Diabetic peripheral vascular disease, without gangrene	E11.51	18, 108	0.302
Diabetic peripheral vascular disease, with gangrene	E11.52	106	1.488

Asthma	ICD10	HCC#	Risk
Mild asthma uncomplicated	J45.30	-	-
Mild asthma w/acute exacerbation	J45.31	-	-
Moderate asthma uncomplicated	J45.40	-	-
Moderate asthma w/acute exacerbation	J45.41	-	-
Severe asthma uncomplicated	J45.50	-	-
Severe asthma w/acute exacerbation	J45.51	-	-

Chronic Lung Disease	ICD10	HCC#	Risk
Smoker's cough	J41.0	111	0.335
Emphysema	J43.X	111	0.335
COPD, unspecified	J44.9	111	0.335
COPD with (acute) exacerbation	J44.1	111	0.335
Dependence on supplemental oxygen	Z99.81	-	-

TIPS

If possible, document smoking history, chest computed tomography results, pulmonary function tests, etc.

Rheumatologic	ICD10	HCC#	Risk
Lupus	M32.9	40	0.421
Rheumatoid arthritis	M06.9	40	0.421

Major Infections	ICD10	HCC#	Risk
HIV/AIDS	B20	1	0.335
Chronic viral hepatitis C	B18.2	29	0.147
Chronic viral hepatitis, unspecified	B18.9	29	0.147

Neurologic	ICD10	HCC#	Risk
Parkinson's Disease	G20	78	0.606
Multiple sclerosis	G35	77	0.423
Seizure disorder	G40.909	79	0.220

Hematologic	ICD10	HCC#	Risk
Aplastic anemia	D61.9	46	1.372
Acquired coagulopathy	D68.4	48	0.192
Thrombocytopenia	D69.6	48	0.192
Sickle cell disease w/out crisis	D57.1	46	1.372
Acquired hemolytic anemia	D59.9	46	1.372
Other pancytopenia	D61.818	47	0.665
Neutropenia	D70.9	47	0.665

Sequelae of Stroke	ICD10	HCC#	Risk
Monoplegia, upper limb (cerebral)	I69.339	104	0.331
Monoplegia, lower limb (cerebral)	I69.349	104	0.331
Hemiplegia + hemiparesis (cerebral)	I69.359	104	0.331
Monoplegia, upper limb (cerebrovascular)	I69.959	104	0.331
Monoplegia, lower limb (cerebrovascular)	I69.939	104	0.331
Hemiplegia+hemiparesis (cerebrovascular)	I69.949	104	0.331

Metabolic/Nutritional	ICD10	HCC#	Risk
Moderate protein-calorie malnutrition	E44.0	21	0.455
Mild protein-calorie malnutrition	E44.1	21	0.455
Morbid (severe) obesity due to excess calories	E66.01	22	0.250

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Depression	ICD10	HCC#	Risk
Major depression, recurrent, mild	F33.0	59	0.288
Major depression, recurrent, moderate	F33.1	59	0.288
Major depression, recurrent, severe w/out psychotic sx	F33.2	59	0.288
Major depression, recurrent, severe w/psychotic sx	F33.3	59	0.288

TIPS

PHQ9 Scores:
 5-9: Mild
 10-14: Moderate
 15-19: Moderately Severe
 20-27: Severe

Other Psychiatric	ICD10	HCC#	Risk
Bipolar disorder, currently depressed, mild	F31.31	59	0.309
Bipolar disorder, currently depressed, moderate	F31.32	59	0.309
Bipolar disorder, currently depressed, severe w/out psychotic sx	F31.4	59	0.309
Generalized anxiety disorder	F41.1	-	
PTSD, chronic	F43.12	-	

Substance Use	ICD10	HCC#	Risk
Alcohol dependence	F10.20	55	0.329
Alcohol dependence, in remission	F10.21	55	0.329
Opioid abuse	F11.10	56	0.329
Opioid abuse, in remission	F11.11	56	0.329
Opioid dependence	F11.20	55	0.329
Cannabis dependence	F12.20	55	0.329
Cannabis use, unspecified w/intoxication, uncomplicated	F12.920	55	0.329

Status	ICD10	HCC#	Risk
Amputation (specify site) **	Z89.X	189	0.519
Cardiac: Heart assist device	Z95.811	186	0.832
Renal Dialysis : Dependence on dialysis	Z99.2	134	0.435
Ostomy : Colostomy	Z93.3	188	0.534
Transplant : Specify organ	Z94X	186	0.832

No Risk Factor is given if the amputation site is not specified

Cancer	ICD10	HCC#	Risk
Breast cancer	C50.919	12	0.150
Prostate cancer	C61	12	0.150
Metastasis to lymph nodes	C77.X	8	2.982
Colon cancer	C18.9	11	0.307
Pancreatic cancer	C25.9	9	1.347
Lung cancer (right)	C34.91	9	1.347
Lung cancer (left)	C34.92	9	1.347
Skin cancer	C43.9	12	0.150
Esophageal cancer	C15.9	9	1.347
Head/neck/face cancer	C76.0	12	0.150

Other Risk Adjustment Factors

Patients with multiple diagnoses that fall into HCC categories have an additional risk factor to reflect the complexity of the patient's health.

# of HCC Conditions	Risk
1 HCC	-
2 HCCs	-
3 HCCs	-
4 HCCs	0.006
5 HCCs	0.042
6 HCCs	0.077
7 HCCs	0.126
8 HCCs	0.214
9 HCCs	0.258
10 HCCs	0.505

Interactions	Risk
Immune Disorders + Cancer	0.838
CHF + Diabetes	0.121
CHF + COPD	0.155
CHF + Renal	0.156
Cardiorespiratory failure + COPD	0.363
CHF + Specified heart arrhythmias	0.085

Additional Information

HCC coefficients in this document are from the CMS guidelines for Community, NonDual Aged Medicare patients. Risk adjustment factors differ based on:

- Age
- Disability status
- Gender
- Institutional status
- Medicaid status

Therefore, risk calculated from these models will not reflect the *exact* risk score, but rather should be used for better understanding of risk adjustment.

HCC codes are for the Medicare lines of business and do not map equally to Medicaid patients.

However, accurate and complete coding is necessary to reflect the risk of the Medicaid population as well, as some plans *do* risk adjust their premium based on risk level (e.g. Fidelis). Risk adjustment numbers were taken from the CMS v24 model.

The ICD10 codes in this document are commonly used codes in primary care and should not be taken as a comprehensive coding manual.

Questions, comments or concerns can be directed to the Value Based Payments department at 716-604-0504.