

**HCC Model V.21:
Factors and Disease Category Breakdown**

Category Short Name	HCC	Description	Community value	Institutional value
Infection	HCC1	HIV/AIDS	0.492	1.374
	HCC2	<i>Septicemia, Sepsis, Systemic Inflammatory Response Syndrome/Shock</i>	0.52	0.471
Neoplasm	HCC6	Opportunistic Infections	0.557	0.541
	HCC8	Metastatic Cancer and Acute Leukemia	2.425	0.928
	HCC9	Lung and Other Severe Cancers	1.006	0.61
	HCC10	Lymphoma and Other Cancers	0.695	0.363
	HCC11	Colorectal, Bladder, and Other Cancers	0.33	0.255
Diabetes	HCC12	Breast, Prostate, and Other Cancers and Tumors	0.18	0.165
	HCC17	Diabetes with Acute Complications	0.344	0.434
	HCC18	<i>Diabetes with Chronic Complications</i>	0.344	0.434
	HCC19	Diabetes without Complication	0.124	0.187
Metabolic	HCC21	Protein-Calorie Malnutrition	0.653	0.343
	HCC22	Morbid Obesity	0.342	0.353
	HCC23	Other Significant Endocrine and Metabolic Disorders	0.24	0.248
Liver	HCC27	End-Stage Liver Disease	1.003	0.637
	HCC28	Cirrhosis of Liver	0.425	0.343
	HCC29	Chronic Hepatitis	0.313	0.343
Gastrointestinal	HCC33	Intestinal Obstruction/Perforation	0.337	0.302
	HCC34	<i>Chronic Pancreatitis</i>	0.257	0.175
Musculoskeletal	HCC35	Inflammatory Bowel Disease	0.279	0.25
	HCC39	Bone/Joint/Muscle Infections/Necrosis	0.423	0.386
	HCC40	Rheumatoid Arthritis and Inflammatory Connective Tissue Disease	0.376	0.222
	HCC46	Severe Hematological Disorders	1.078	0.638
Blood	HCC47	Disorders of Immunity	0.306	0.436
	HCC48	Coagulation Defects and Other Specified Hematological Disorders	0.258	0.197
	HCC51	Dementia With Complications	0.616	
Cognitive	HCC52	Dementia Without Complication	0.343	
	HCC54	Drug/Alcohol Psychosis	0.358	0.051
Substance Abuse	HCC55	Drug/Alcohol Dependence	0.358	0.051
	Psychiatric	HCC57	Schizophrenia	0.471
Spinal		HCC58	Major Depressive, Bipolar, and Paranoid Disorders	0.318
	HCC70	<i>Quadriplegia</i>	1.075	0.497
	HCC71	Paraplegia	0.868	0.497
	HCC72	Spinal Cord Disorders/Injuries	0.441	0.191

**HCC Model V.21:
Factors and Disease Category Breakdown**

Category Short Name	HCC	Description	Community value	Institutional value
Neurological	HCC73	Amyotrophic Lateral Sclerosis and Other Motor Neuron Disease	1.016	0.294
	HCC74	Cerebral Palsy	0.036	
	HCC75	Polyneuropathy	0.281	0.256
	HCC76	Muscular Dystrophy	0.46	0.247
	HCC77	Multiple Sclerosis	0.482	
	HCC78	Parkinson's and Huntington's Diseases	0.555	0.11
	HCC79	Seizure Disorders and Convulsions	0.252	0.173
	HCC80	Coma, Brain Compression/Anoxic Damage	0.533	0.103
Arrest	HCC82	Respirator Dependence/Tracheostomy Status	1.732	1.567
	HCC83	Respiratory Arrest	0.769	0.611
Heart	HCC84	Cardio-Respiratory Failure and Shock	0.326	0.346
	HCC85	Congestive Heart Failure	0.361	0.226
	HCC86	Acute Myocardial Infarction	0.283	0.394
	HCC87	Unstable Angina and Other Acute Ischemic Heart Disease	0.283	0.394
	<i>HCC88</i>	<i>Angina Pectoris</i>	0.21	0.366
	HCC96	Specified Heart Arrhythmias	0.276	0.227
Cerebrovascular Disease	HCC99	Cerebral Hemorrhage	0.371	0.175
	HCC100	Ischemic or Unspecified Stroke	0.333	0.175
	HCC103	Hemiplegia/Hemiparesis	0.481	0.063
	<i>HCC104</i>	<i>Monoplegia, Other Paralytic Syndromes</i>	0.212	0.063
Vascular	HCC106	Atherosclerosis of the Extremities with Ulceration or Gangrene	1.313	0.773
	HCC107	Vascular Disease with Complications	0.417	0.257
	HCC108	Vascular Disease	0.288	0.146
Lung	HCC110	Cystic Fibrosis	0.388	0.323
	HCC111	Chronic Obstructive Pulmonary Disease	0.388	0.323
	HCC112	Fibrosis of Lung and Other Chronic Lung Disorders	0.294	0.252
	HCC114	Aspiration and Specified Bacterial Pneumonias	0.691	0.239
	HCC115	Pneumococcal Pneumonia, Empyema, Lung Abscess	0.212	0.194
Eye	HCC122	Proliferative Diabetic Retinopathy and Vitreous Hemorrhage	0.223	0.366
	HCC124	Exudative Macular Degeneration	0.248	0.178

**HCC Model V.21:
Factors and Disease Category Breakdown**

Category Short Name	HCC	Description	Community value	Institutional value	
Kidney	HCC134	Dialysis Status	0.617	0.538	
	HCC135	Acute Renal Failure	0.617	0.538	
	HCC136	Chronic Kidney Disease, Stage 5	0.227	0.304	
	HCC137	Chronic Kidney Disease, Severe (Stage 4)	0.227	0.304	
	HCC138	Chronic Kidney Disease, Moderate (Stage 3)	0.227	0.304	
	HCC139	Chronic Kidney Disease, Mild or Unspecified (Stages 1-2 or Unspecified)	0.227	0.304	
	HCC140	Unspecified Renal Failure	0.227	0.304	
	HCC141	Nephritis	0.075	0.235	
	Skin	HCC157	Pressure Ulcer of Skin with Necrosis Through to Muscle, Tendon, or Bone	1.071	0.284
		HCC158	Pressure Ulcer of Skin with Full Thickness Skin Loss	1.071	0.284
HCC159		Pressure Ulcer of Skin with Partial Thickness Skin Loss	1.071	0.284	
HCC160		Pressure Pre-Ulcer Skin Changes or Unspecified Stage	1.071	0.284	
HCC161		Chronic Ulcer of Skin, Except Pressure	0.473	0.226	
HCC162		Severe Skin Burn or Condition	0.458		
Injury		HCC166	Severe Head Injury	0.533	0.103
	HCC167	Major Head Injury	0.141		
	HCC169	Vertebral Fractures without Spinal Cord Injury	0.441	0.179	
	HCC170	Hip Fracture/Dislocation	0.363		
	HCC173	Traumatic Amputations and	0.379	0.067	
Complications	HCC176	Complications of Specified Implanted Device or Graft	0.555	0.369	
	HCC186	Major Organ Transplant or Replacement Status	1.032	1.12	
Openings	HCC188	Artificial Openings for Feeding or Elimination	0.609	0.658	
Amputation	HCC189	Amputation Status, Lower Limb/Amputation Complications	0.804	0.384	
Disabled/Disease Interactions	D_HCC6	Disabled, Opportunistic Infections	0.564	0.914	
	D_HCC34	Disabled, Chronic Pancreatitis	0.757		
	D_HCC46	Disabled, Severe Hematological Disorders	0.818		
	D_HCC54	Disabled, Drug/Alcohol Psychosis	0.432		
	D_HCC55	Disabled, Drug/Alcohol Dependence	0.147		
	D_HCC110	Disabled, Cystic Fibrosis	2.397		
	D_HCC176	Disabled, Complications of Specified Implanted Device or Graft	0.495		

**HCC Model V.21:
Factors and Disease Category Breakdown**

Category Short Name Disease Interactions	HCC	Description	Community value	Institutional value
	SEPSIS_CARD_	Sepsis*Cardiorespiratory Failure		
	RESP_FAIL		0.634	
	CANCER_IMMUNE	Cancer*Immune Disorders	1.101	
	DIABETES_CHF	Diabetes*Congestive Heart Failure	0.237	0.143
	CHF_COPD	Congestive Heart Failure*Chronic Obstructive Pulmonary Disease	0.255	0.159
	CHF_RENAL	Congestive Heart Failure*Renal Disease	0.201	
	COPD_CARD_	Chronic Obstructive Pulmonary		
	RESP_FAIL	Disease*Cardiorespiratory Failure	0.42	