

**TABLE 1: Final Adult Risk Adjustment Model Factors for 2018 Benefit Year**

HCC or RXC No.	Factor	Platinum	Gold	Silver	Bronze	Catastrophic
<i>Demographic Factors</i>						
	Age 21-24, Male	0.178	0.141	0.098	0.056	0.049
	Age 25-29, Male	0.157	0.121	0.078	0.035	0.028
	Age 30-34, Male	0.201	0.155	0.100	0.046	0.038
	Age 35-39, Male	0.264	0.208	0.143	0.077	0.065
	Age 40-44, Male	0.334	0.268	0.193	0.116	0.102
	Age 45-49, Male	0.405	0.330	0.245	0.156	0.141
	Age 50-54, Male	0.531	0.443	0.343	0.237	0.218
	Age 55-59, Male	0.607	0.507	0.396	0.277	0.255
	Age 60-64, Male	0.695	0.579	0.453	0.313	0.288
	Age 21-24, Female	0.301	0.245	0.175	0.105	0.094
	Age 25-29, Female	0.344	0.278	0.200	0.120	0.106
	Age 30-34, Female	0.474	0.392	0.300	0.208	0.192
	Age 35-39, Female	0.564	0.474	0.374	0.278	0.261
	Age 40-44, Female	0.631	0.531	0.422	0.313	0.295
	Age 45-49, Female	0.642	0.538	0.424	0.306	0.286
	Age 50-54, Female	0.726	0.613	0.488	0.355	0.331
	Age 55-59, Female	0.723	0.606	0.477	0.337	0.311
	Age 60-64, Female	0.759	0.631	0.493	0.338	0.310
<i>Diagnosis Factors</i>						
HCC001	HIV/AIDS	0.49	0.409	0.33	0.259	0.248
HCC002	Septicemia, Sepsis, Systemic Inflammatory Response Syndrome/Shock	8.946	8.776	8.676	8.721	8.735
HCC003	Central Nervous System Infections, Except Viral Meningitis	5.99	5.904	5.851	5.871	5.877
HCC004	Viral or Unspecified Meningitis	4.377	4.167	4.048	3.989	3.985
HCC006	Opportunistic Infections	6.342	6.252	6.201	6.179	6.174
HCC008	Metastatic Cancer	22.073	21.676	21.417	21.455	21.467
HCC009	Lung, Brain, and Other Severe Cancers, Including Pediatric Acute Lymphoid Leukemia	11.573	11.272	11.081	11.07	11.071

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HCC010	Non-Hodgkin`s Lymphomas and Other Cancers and Tumors	5.401	5.194	5.059	5	4.99
HCC011	Colorectal, Breast (Age < 50), Kidney, and Other Cancers	4.619	4.412	4.272	4.213	4.202
HCC012	Breast (Age 50+) and Prostate Cancer, Benign/Uncertain Brain Tumors, and Other Cancers and Tumors	2.704	2.554	2.451	2.39	2.379
HCC013	Thyroid Cancer, Melanoma, Neurofibromatosis, and Other Cancers and Tumors	1.274	1.147	1.052	0.953	0.934
HCC018	Pancreas Transplant Status/Complications	4.599	4.409	4.298	4.312	4.319
HCC019	Diabetes with Acute Complications	0.659	0.587	0.525	0.454	0.441
HCC020	Diabetes with Chronic Complications	0.659	0.587	0.525	0.454	0.441
HCC021	Diabetes without Complication	0.659	0.587	0.525	0.454	0.441
HCC023	Protein-Calorie Malnutrition	12.16	12.155	12.146	12.206	12.217
HCC026	Mucopolysaccharidosis	2.119	2.018	1.947	1.888	1.877
HCC027	Lipidoses and Glycogenosis	2.119	2.018	1.947	1.888	1.877
HCC029	Amyloidosis, Porphyria, and Other Metabolic Disorders	2.119	2.018	1.947	1.888	1.877
HCC030	Adrenal, Pituitary, and Other Significant Endocrine Disorders	2.119	2.018	1.947	1.888	1.877
HCC034	Liver Transplant Status/Complications	11.061	10.947	10.883	10.878	10.879
HCC035	End-Stage Liver Disease	5.583	5.383	5.265	5.267	5.271
HCC036	Cirrhosis of Liver	2.16	2.039	1.963	1.92	1.913
HCC037_1	Chronic Viral Hepatitis C	1.118	1.005	0.93	0.879	0.874
HCC037_2	Chronic Hepatitis, Other/Unspecified	0.881	0.755	0.671	0.617	0.611

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HCC038	Acute Liver Failure/Disease, Including Neonatal Hepatitis	4.269	4.123	4.034	4.014	4.013
HCC041	Intestine Transplant Status/Complications	28.34	28.269	28.212	28.25	28.254
HCC042	Peritonitis/Gastrointestinal Perforation/Necrotizing Enterocolitis	10.403	10.17	10.022	10.034	10.04
HCC045	Intestinal Obstruction	5.835	5.597	5.458	5.457	5.461
HCC046	Chronic Pancreatitis	4.599	4.409	4.298	4.312	4.319
HCC047	Acute Pancreatitis/Other Pancreatic Disorders and Intestinal Malabsorption	2.35	2.191	2.091	2.033	2.023
HCC048	Inflammatory Bowel Disease	2.085	1.912	1.793	1.702	1.686
HCC054	Necrotizing Fasciitis	5.834	5.661	5.549	5.555	5.559
HCC055	Bone/Joint/Muscle Infections/Necrosis	5.834	5.661	5.549	5.555	5.559
HCC056	Rheumatoid Arthritis and Specified Autoimmune Disorders	3.12	2.939	2.816	2.766	2.758
HCC057	Systemic Lupus Erythematosus and Other Autoimmune Disorders	1.062	0.947	0.864	0.768	0.75
HCC061	Osteogenesis Imperfecta and Other Osteodystrophies	2.844	2.67	2.548	2.477	2.464
HCC062	Congenital/Developmental Skeletal and Connective Tissue Disorders	2.844	2.67	2.548	2.477	2.464
HCC063	Cleft Lip/Cleft Palate	1.225	1.077	0.979	0.904	0.891
HCC066	Hemophilia	41.812	41.559	41.379	41.37	41.371
HCC067	Myelodysplastic Syndromes and Myelofibrosis	11.445	11.322	11.242	11.246	11.249
HCC068	Aplastic Anemia	11.445	11.322	11.242	11.246	11.249

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HCC069	Acquired Hemolytic Anemia, Including Hemolytic Disease of Newborn	7.92	7.779	7.682	7.655	7.652
HCC070	Sickle Cell Anemia (Hb-SS)	7.92	7.779	7.682	7.655	7.652
HCC071	Thalassemia Major	7.92	7.779	7.682	7.655	7.652
HCC073	Combined and Other Severe Immunodeficiencies	4.883	4.756	4.677	4.672	4.672
HCC074	Disorders of the Immune Mechanism	4.883	4.756	4.677	4.672	4.672
HCC075	Coagulation Defects and Other Specified Hematological Disorders	2.521	2.436	2.375	2.34	2.333
HCC081	Drug Psychosis	3.86	3.632	3.485	3.381	3.362
HCC082	Drug Dependence	3.86	3.632	3.485	3.381	3.362
HCC087	Schizophrenia	3.03	2.802	2.655	2.577	2.566
HCC088	Major Depressive and Bipolar Disorders	1.596	1.453	1.351	1.249	1.23
HCC089	Reactive and Unspecified Psychosis, Delusional Disorders	1.596	1.453	1.351	1.249	1.23
HCC090	Personality Disorders	1.08	0.967	0.872	0.765	0.745
HCC094	Anorexia/Bulimia Nervosa	2.572	2.423	2.319	2.256	2.245
HCC096	Prader-Willi, Patau, Edwards, and Autosomal Deletion Syndromes	2.17	2.056	1.979	1.92	1.909
HCC097	Down Syndrome, Fragile X, Other Chromosomal Anomalies, and Congenital Malformation Syndromes	0.804	0.713	0.638	0.559	0.546
HCC102	Autistic Disorder	1.08	0.967	0.872	0.765	0.745
HCC103	Pervasive Developmental Disorders, Except Autistic Disorder	1.08	0.967	0.872	0.765	0.745

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HCC106	Traumatic Complete Lesion Cervical Spinal Cord	10.376	10.232	10.138	10.121	10.12
HCC107	Quadriplegia	10.376	10.232	10.138	10.121	10.12
HCC108	Traumatic Complete Lesion Dorsal Spinal Cord	8.24	8.103	8.014	7.992	7.989
HCC109	Paraplegia	8.24	8.103	8.014	7.992	7.989
HCC110	Spinal Cord Disorders/Injuries	5.345	5.152	5.031	4.995	4.99
HCC111	Amyotrophic Lateral Sclerosis and Other Anterior Horn Cell Disease	2.412	2.204	2.077	2.019	2.011
HCC112	Quadriplegic Cerebral Palsy	0.885	0.755	0.663	0.61	0.6
HCC113	Cerebral Palsy, Except Quadriplegic	0.204	0.119	0.067	0.037	0.033
HCC114	Spina Bifida and Other Brain/Spinal/Nervous System Congenital Anomalies	0.045	0.001	0	0	0
HCC115	Myasthenia Gravis/Myoneural Disorders and Guillain-Barre Syndrome/Inflammatory and Toxic Neuropathy	5.118	4.986	4.903	4.881	4.878
HCC117	Muscular Dystrophy	2.091	1.944	1.857	1.775	1.759
HCC118	Multiple Sclerosis	6.335	6.087	5.926	5.892	5.887
HCC119	Parkinson`s, Huntington`s, and Spinocerebellar Disease, and Other Neurodegenerative Disorders	2.091	1.944	1.857	1.775	1.759
HCC120	Seizure Disorders and Convulsions	1.425	1.286	1.19	1.11	1.096
HCC121	Hydrocephalus	5.579	5.471	5.389	5.356	5.351

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HCC122	Non-Traumatic Coma, and Brain Compression/Anoxic Damage	8.517	8.393	8.305	8.294	8.292
HCC125	Respirator Dependence/Tracheostomy Status	29.212	29.187	29.166	29.234	29.247
HCC126	Respiratory Arrest	9.11	8.972	8.885	8.943	8.958
HCC127	Cardio-Respiratory Failure and Shock, Including Respiratory Distress Syndromes	9.11	8.972	8.885	8.943	8.958
HCC128	Heart Assistive Device/Artificial Heart	29.057	28.852	28.725	28.776	28.79
HCC129	Heart Transplant	29.057	28.852	28.725	28.776	28.79
HCC130	Congestive Heart Failure	2.92	2.827	2.768	2.758	2.758
HCC131	Acute Myocardial Infarction	9.095	8.794	8.605	8.694	8.717
HCC132	Unstable Angina and Other Acute Ischemic Heart Disease	4.791	4.546	4.408	4.407	4.414
HCC135	Heart Infection/Inflammation, Except Rheumatic	5.4	5.282	5.206	5.178	5.172
HCC142	Specified Heart Arrhythmias	2.531	2.4	2.314	2.253	2.241
HCC145	Intracranial Hemorrhage	8.274	8.023	7.869	7.857	7.859
HCC146	Ischemic or Unspecified Stroke	2.693	2.534	2.449	2.443	2.447
HCC149	Cerebral Aneurysm and Arteriovenous Malformation	3.496	3.326	3.219	3.165	3.157
HCC150	Hemiplegia/Hemiparesis	4.807	4.721	4.67	4.709	4.718
HCC151	Monoplegia, Other Paralytic Syndromes	2.999	2.881	2.81	2.782	2.779
HCC153	Atherosclerosis of the Extremities with Ulceration or Gangrene	9.527	9.458	9.415	9.492	9.509
HCC154	Vascular Disease with Complications	6.854	6.69	6.587	6.575	6.575

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HCC156	Pulmonary Embolism and Deep Vein Thrombosis	3.337	3.192	3.1	3.059	3.053
HCC158	Lung Transplant Status/Complications	27.363	27.207	27.107	27.178	27.196
HCC159	Cystic Fibrosis	9.269	9.006	8.823	8.813	8.814
HCC160	Chronic Obstructive Pulmonary Disease, Including Bronchiectasis	0.896	0.797	0.719	0.636	0.621
HCC161	Asthma	0.896	0.797	0.719	0.636	0.621
HCC162	Fibrosis of Lung and Other Lung Disorders	1.756	1.654	1.591	1.545	1.535
HCC163	Aspiration and Specified Bacterial Pneumonias and Other Severe Lung Infections	6.225	6.164	6.126	6.133	6.135
HCC183	Kidney Transplant Status	8.31	8.095	7.968	7.945	7.944
HCC184	End Stage Renal Disease	33.271	33.07	32.937	33.055	33.081
HCC187	Chronic Kidney Disease, Stage 5	1.512	1.448	1.411	1.418	1.421
HCC188	Chronic Kidney Disease, Stage 4	1.512	1.448	1.411	1.418	1.421
HCC203	Ectopic and Molar Pregnancy, Except with Renal Failure, Shock, or Embolism	1.259	1.105	0.985	0.802	0.76
HCC204	Miscarriage with Complications	1.259	1.105	0.985	0.802	0.76
HCC205	Miscarriage with No or Minor Complications	1.259	1.105	0.985	0.802	0.76
HCC207	Completed Pregnancy With Major Complications	3.421	2.986	2.782	2.594	2.584
HCC208	Completed Pregnancy With Complications	3.421	2.986	2.782	2.594	2.584
HCC209	Completed Pregnancy with No or Minor Complications	3.421	2.986	2.782	2.594	2.584
HCC217	Chronic Ulcer of Skin, Except Pressure	2.012	1.915	1.857	1.843	1.842

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HCC226	Hip Fractures and Pathological Vertebral or Humerus Fractures	8.908	8.71	8.585	8.611	8.619
HCC227	Pathological Fractures, Except of Vertebrae, Hip, or Humerus	2.177	2.06	1.977	1.903	1.891
HCC251	Stem Cell, Including Bone Marrow, Transplant Status/Complications	25.162	25.161	25.158	25.179	25.184
HCC253	Artificial Openings for Feeding or Elimination	8.702	8.616	8.561	8.589	8.596
HCC254	Amputation Status, Lower Limb/Amputation Complications	4.517	4.396	4.322	4.345	4.353
	<i>Interaction Factors</i>					
SEVERE x HCC006	Severe illness x Opportunistic Infections	8.941	9.135	9.253	9.364	9.383
SEVERE x HCC008	Severe illness x Metastatic Cancer	8.941	9.135	9.253	9.364	9.383
SEVERE x HCC009	Severe illness x Lung, Brain, and Other Severe Cancers, Including Pediatric Acute Lymphoid Leukemia	8.941	9.135	9.253	9.364	9.383
SEVERE x HCC010	Severe illness x Non-Hodgkin's Lymphomas and Other Cancers and Tumors	8.941	9.135	9.253	9.364	9.383
SEVERE x HCC115	Severe illness x Myasthenia Gravis/Myoneural Disorders and Guillain-Barre Syndrome/Inflammatory and Toxic Neuropathy	8.941	9.135	9.253	9.364	9.383



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SEVERE x HCC135	Severe illness x Heart Infection/Inflammation, Except Rheumatic	8.941	9.135	9.253	9.364	9.383
SEVERE x HCC145	Severe illness x Intracranial Hemorrhage	8.941	9.135	9.253	9.364	9.383
SEVERE x G06	Severe illness x HCC group G06 (G06 is HCC Group 6 which includes the following HCCs in the blood disease category: 67, 68)	8.941	9.135	9.253	9.364	9.383
SEVERE x G08	Severe illness x HCC group G08 (G08 is HCC Group 8 which includes the following HCCs in the blood disease category: 73, 74)	8.941	9.135	9.253	9.364	9.383
SEVERE x HCC035	Severe illness x End-Stage Liver Disease	2.012	2.120	2.183	2.278	2.294
SEVERE x HCC038	Severe illness x Acute Liver Failure/Disease, Including Neonatal Hepatitis	2.012	2.120	2.183	2.278	2.294
SEVERE x HCC153	Severe illness x Atherosclerosis of the Extremities with Ulceration or Gangrene	2.012	2.120	2.183	2.278	2.294
SEVERE x HCC154	Severe illness x Vascular Disease with Complications	2.012	2.120	2.183	2.278	2.294
SEVERE x HCC163	Severe illness x Aspiration and Specified Bacterial Pneumonias and Other Severe Lung Infections	2.012	2.120	2.183	2.278	2.294
SEVERE x HCC253	Severe illness x Artificial Openings for Feeding or Elimination	2.012	2.120	2.183	2.278	2.294

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SEVERE x G03	Severe illness x HCC group G03 (G03 is HCC Group 3 which includes the following HCCs in the musculoskeletal disease category: 54, 55)	2.012	2.120	2.183	2.278	2.294
<i>Enrollment Duration Factors</i>						
	One month of enrollment	0.501	0.444	0.401	0.384	0.383
	Two months of enrollment	0.431	0.376	0.330	0.311	0.310
	Three months of enrollment	0.375	0.325	0.281	0.261	0.259
	Four months of enrollment	0.304	0.265	0.226	0.209	0.207
	Five months of enrollment	0.264	0.229	0.195	0.178	0.176
	Six months of enrollment	0.230	0.201	0.172	0.155	0.154
	Seven months of enrollment	0.213	0.188	0.162	0.146	0.144
	Eight months of enrollment	0.170	0.151	0.131	0.120	0.119
	Nine months of enrollment	0.116	0.104	0.093	0.087	0.087
	Ten months of enrollment	0.105	0.097	0.089	0.085	0.085
	Eleven months of enrollment	0.089	0.084	0.080	0.078	0.078
<i>Prescription Drug Factors</i>						
RXC 01	Anti-HIV Agents	6.543	6.050	5.725	5.564	5.539
RXC 02	Anti-Hepatitis C (HCV) Agents	27.133	26.646	26.321	26.429	26.454
RXC 03	Antiarrhythmics	0.118	0.118	0.118	0.118	0.118
RXC 04	Phosphate Binders	0.630	0.630	0.630	0.630	0.630
RXC 05	Inflammatory Bowel Disease Agents	1.929	1.757	1.642	1.482	1.450
RXC 06	Insulin	1.474	1.340	1.204	1.040	1.006
RXC 07	Anti-Diabetic Agents, Except Insulin and Metformin Only	0.522	0.456	0.390	0.305	0.288