The "R_Xisk" of adjustments in 2018 ACA risk adjustment

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Several years into its implementation, the Patient Protection and Affordable Care Act (ACA) continues to reshape the existing insurance landscape.

Most ACA issuers are probably aware of the new prescription drug category (RXC) classification system that the Centers for Medicare and Medicaid Services (CMS) is adding to the 2018 risk adjustment model. However, no market participant can fully appreciate the impending changes heading for them or the market as a whole without knowledge of how prescribed medications will affect the assignment of conditions to an insured member—something CMS has not yet provided.

To help our clients understand the implications of the 2018 model and begin planning for its issuer-specific and marketwide effects, we approximated the likely CMS mapping based on the publicly available information to date and present the results and our conclusions in this paper.

Incorporating prescribed medication into the model

Under the current risk adjustment program, a member is assigned a specific condition, or not, based on the presence of certain diagnosis codes from that member's medical claim records. Starting in benefit year 2018, however, a condition will be identified through a Hierarchical Condition Category (HCC) with associated medical diagnosis codes, a prescribed medication, or both—each one affecting the final member risk score differently. CMS is adding a limited number of RXCs to identify the presence of a condition treated primarily through medication or to capture materially different costs within a disease category for members taking specific, high-cost medications. The hallmark example is hepatitis C, where a patient's annual prescription cost could be rather minimal if the member is not treated or potentially over \$100,000 if a member is treated with a recently approved curative therapy.

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To illustrate the changes to the 2018 ACA risk adjustment methodology, Figure 1 shows how a sample diabetic member in a silver plan could be scored in 2016 (or 2017) and in 2018.¹

A diabetic member will be identified in three distinct ways in 2018. All things equal, the risk score for any one member may increase or decrease over the 2016 value, depending on the combination of utilized medications and medical diagnoses. Additionally, *some members may be identified as diabetic in 2018 who were not identified as diabetic in 2016* (the RXC only category).

In aggregate, the contribution of an HCC/RXC to an issuer's 2018 total risk score will be highly dependent on the membership distribution across each of the outcomes in Figure 1. Further, it is possible for the contribution to the total risk score to increase or decrease in 2018 compared with 2016, independent of other model changes (i.e., other HCCs, demographics, metallic level, etc.).

1 The coefficients for the HCC group HCC019, 020, and 021 and RXC06 are available at https://www.cms.gov/CCIIO/Programs-and-Initiatives/ Premium-Stabilization-Programs/Downloads/2018-Benefit-Year-Final-HHS-Risk-Adjustment-Model-Coefficients.pdf.

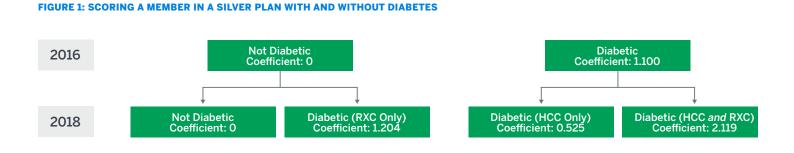


Figure 2 illustrates these concepts with the risk scores from Figure 1 and two sample distributions of a group of members with and without conditions.²

In sample distribution #1, most members do not take medications eligible for risk adjustment. This population's contribution to the risk score would decrease in 2018 relative to 2016. In sample distribution #2, all members receive both an HCC and an RXC. This population's impact is the opposite its contribution increases significantly in 2018 because of the credit given to medications treating the underlying disease. While these examples are illustrative, both demonstrate the level of variation possible and how differently the presence (or absence) of an RXC can impact an issuer in the future.

2018 risk scores decrease overall, but impacts by condition are highly variable

We worked with our pharmacists and clinicians to assign drugs to the HCCs with published RXC coefficients. We performed the analysis at a member level among adults and aggregated the results into groupings of clinically similar conditions (available in the Appendix). Overall, we expect marketwide risk scores to decrease in 2018 relative to 2016, but the variation in impact may be high across the clinical groupings.

RESULTS AT THE MEMBER LEVEL

The graph in Figure 3 displays the change in illustrative memberlevel transfer amounts as a percentage of member premium³ between 2016 and 2018 by grouping (inclusive of HCC and RXC changes, holding all other risk score components constant).⁴

2 Prevalence distributions are purely illustrative and do not represent actual issuer data.

- 3 The risk adjustment transfer formula is complex, and results will vary for each issuer in practice. For illustrative purposes, we assumed a standard CSR variant silver, made up entirely of adult members. We based statewide risk adjustment factors on the actual metallic level and age factors of our ACA data sample.
- 4 Refer to the Methodology and Key Assumptions section for more details behind our calculation of the RXC impacts.

FIGURE 2: ILLUSTRATIVE EXAMPLE OF COMPOSITE RISK SCORES 2018 OVER 2016

SAMPLE DISTRIBUTION #1			SAMPLE DISTRIBUTION #2				
IDENTIFICATION TYPE	2016 COEFFICIENT	2018 COEFFICIENT	DISTRIBUTION	IDENTIFICATION TYPE	2016 COEFFICIENT	2018 COEFFICIENT	DISTRIBUTION
NO MARKER	0.000	0.000	0.0%	NO MARKER	0.000	0.000	0.0%
HCC ONLY	1.100	0.525	80.0%	HCC ONLY	1.100	0.525	0.0%
RXC ONLY	0.000	1.204	10.0%	RXC ONLY	0.000	1.204	0.0%
HCC & RXC	1.100	2.119	10.0%	HCC & RXC	1.100	2.119	100.0%
TOTAL	0.990	0.752	100.0%	TOTAL	1.100	2.119	100.0%

The major clinical categories we expect will generate more favorable risk transfer outcomes include Hepatitis, Autoimmune, Liver, Nervous, and HIV. For a member with one of these conditions, the anticipated change in transfer receipts as a percentage of that member's premium is quite large—in excess of a 50% change for all categories. In most cases, the impact is directly attributable to the addition of RXCs (with or without an associated diagnosed medical condition) and the prevalence of insured patients taking the prescribed medications that trigger an RXC. In the case of HIV, though, the positive change in transfers is mostly driven by higher 2017 risk score *before* the introduction of RXCs in the risk adjustment model.

The graph in Figure 3 illustrates some interesting changes in the relationships among some of the condition categories. For instance, the Hepatitis and Liver categories provide an example of how related conditions may be impacted differently. Based on the coefficients released by CMS, members with liver conditions received a higher risk score than hepatitis in 2016 the opposite of which is true in 2018. This reflects increased compensation for high-cost prescription treatments for hepatitis C. Invariably, other relational shifts across years exist, depending on the latest recalibration and other model changes, particularly whether CMS assigned an RXC to a condition.

We also expect several condition groupings to provide less risk adjustment compensation, on average, in 2018 compared with 2016. These categories include Cerebrovascular, Musculoskeletal, Infectious, Renal, and Transplant. In all cases, the recalibration of the risk model in 2018 led to lower risk scores for the condition groups irrespective of the presence of an RXC. In fact, when RXCs *are* a marker for a condition, the overall risk score tends to decrease similarly to other conditions with no RXC counterpart.

It is worth noting the composite combined HCC and RXC risk scores in 2018 could decrease relative to analogous 2016 risk scores but still generate a transfer receipt. This occurs when the aggregate condition risk score decreases by less than the decrease in the market average risk score (holding all other variables constant).

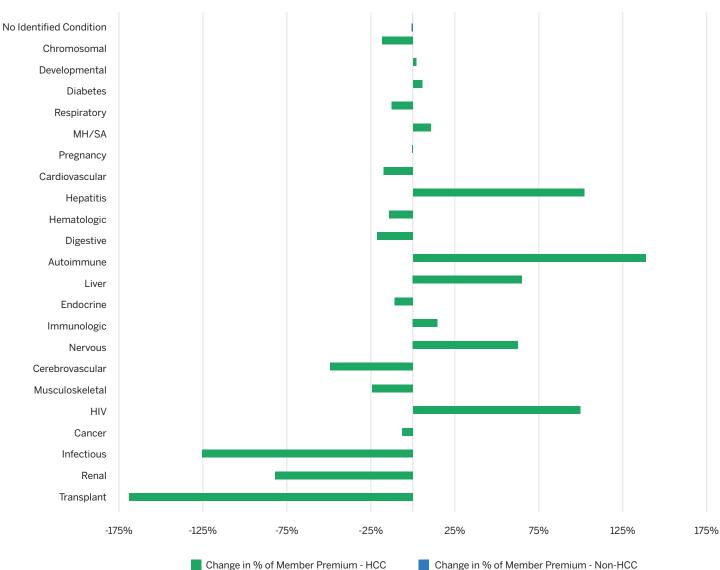


FIGURE 3: CHANGE IN 2018 MEMBER-LEVEL TRANSFER AMOUNT AS A PERCENTAGE OF PREMIUM BY CLINICAL GROUPING

RESULTS AT THE POPULATION LEVEL

Generally speaking, the relationships in the graph in Figure 3 above hold when observing the transfer change at the block level, although now the incidence rate of the condition(s) factors into the magnitude of the change. The graph in Figure 4 (on page 4) displays the expected impact to transfers at the population level.

We identified several noteworthy movements when viewed in aggregate rather than by member. For instance, the Transplant category produces the largest unfavorable change in transfers in Figure 3, but the impact is much smaller in aggregate due to the relative rarity of these procedures compared with other, more common conditions. Conversely, the change in revenue for diabetics is minimal at the member level, but the high prevalence of the condition amplifies its effect across the population. Similar observations can be noted for the Cardiovascular, Infectious, Renal, HIV, and Hepatitis categories. The relevant takeaway is still that a plan's total transfers could be highly affected by conditions with risk scores that change only slightly or could be minimally affected by conditions with significant risk score changes. It's all a matter of member mix—and an issuer understanding its current mix and adept at anticipating its future mix will be better positioned to properly reflect expected changes to its ACA risk scores and transfers.

What it means for ACA issuers

While welcomed by many in the market as a mechanism to better account for claim costs, the addition of pharmacy utilization explicitly into ACA risk scores adds a new piece into the medical and financial management puzzle. Those participating in the ACA must now consider the implications of the interaction between medication and medical diagnoses and how these new effects will contribute to the risk scores of the members within their blocks of business and the market as a whole. Both the issuer-specific and market-level outcomes of pharmacy markers in the risk adjustment model may require additional analysis and time before the effects are truly understood and properly accounted for. While outside the scope of this paper, discussions have emerged about how formulary design, tier placement, and, ultimately, pharmaceutical manufacturer rebates will factor into the equation long-term.⁵ In order to truly understand and plan for these higher-order effects, issuers will likely need to wait until CMS releases the final mapping of RXC and NDC categories. Until then, an issuer can take the first steps now to open internal dialogue and begin incorporating the concepts and results of this paper into existing risk analytics to inform and help plan for its new risk adjustment position within the 2018 market.

5 The Incidental Economist (June 1, 2017). Risk adjustment in the ACA marketplaces: A success with some important gaps. Retrieved August 2, 2017, from http://theincidentaleconomist.com/wordpress/ risk-adjustment-in-the-aca-marketplaces-a-success-with-someimportant-gaps/.

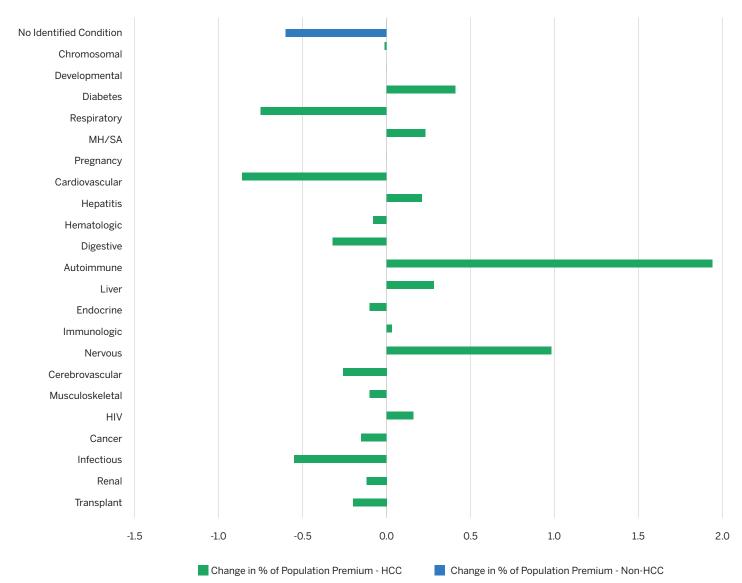


FIGURE 4: CHANGE IN 2018 POPULATION-LEVEL TRANSFER AMOUNT AS A PERCENTAGE OF PREMIUM BY CLINICAL GROUPING

Methodology and key assumptions

The foundation of our analysis rests on the identification of member-level risk-adjustment-eligible conditions—both through attributed diagnoses and prescription medications filled in a retail pharmacy, specialty pharmacy, or a mail order setting. Since the introduction of the risk adjustment program, CMS has annually published crosswalks from diagnosis code to HCC (sometimes premised on other supporting logic). However, as of finalization of this publication, CMS had not released an analogous drug level crosswalk for RXCs.

RXC MAPPING

Before introducing RXCs, CMS went to great lengths to develop statistical model alternatives and analysis to balance certain guiding principles when filtering the drugs or classes of drugs that would identify specific conditions and disease states. CMS published its conclusions and recommendations on March 31, 2016 within its HHS-Operated Risk Adjustment Methodology Meeting Discussion Paper (CMS Whitepaper).⁶ We leveraged the content of this publication and our clinical/pharmaceutical expertise to map NDCs to RXCs and create an approximation of the currently unpublished portions of the 2018 risk adjustment model logic.

We began with the USP Medicare Model Guidelines v6.0 (Categories and Classes)⁷ and mapped the relevant "USP Category" and "USP Class" to each of the RXC categories defined in the U.S. Department of Health and Human Services (HHS) Notice of Benefit and Payment Parameters for 2018 (BPPs).⁸ We sorted the PY2017_EHBRxCrosswalk⁹ file of the Center for Consumer Information and Insurance Oversight (CCIIO) by "USP Class" to create an RxCUI-to-RXC Label crosswalk. We completed this exercise at the "USP Class 1," "Class 2," and "Class 3" levels.

At this point, we had created a list of RXCs and their associated prescription drug concept unique identifiers (RxCUIs). We then performed a detailed clinical review, comparing the RxCUIs we associated with a particular condition with the guiding principles for drug inclusion outlined in the CMS Whitepaper. After adjustments, we established a final RxCUI list for each RXC. We applied our logic to a proprietary 2016 sample ACA population¹⁰ and compared the resulting RXC

- 6 CMS (March 24, 2016). March 31, 2016, HHS-Operated Risk Adjustment Methodology Meeting. Discussion Paper. Retrieved August 2, 2017, from https://www.cms.gov/CCIIO/Resources/Forms-Reports-and-Other-Resources/Downloads/RA-March-31-White-Paper-032416.pdf.
- 7 USP Medicare Model Guidlines, Version 6.0 at http://www.usp.org/sites/ default/files/usp/document/our-work/healthcare-quality-safety/ uspmmg_v6_0_cat-class.pdf.
- 8 See the full document at https://s3.amazonaws.com/public-inspection. federalregister.gov/2016-30433.pdf.
- 9 Essential Health Benefits Rx Crosswalk Methodology for Plan Year 2017. Retrieved August 2, 2017, from https://www.cms.gov/CCIIO/ Resources/Data-Resources/Downloads/EHB-Rx-Crosswalk-Methodology-PY-2017.pdf.
- 10 Sample population includes 3 million individual and small group ACA member months.

imputation and severity additions from our drug mapping with Table 4.4 in the CMS Whitepaper.

We performed sensitivity testing of RXC outcomes for those drugs where it was not apparent whether the CMS guiding principles would be satisfied by their inclusion in our mapping. We found the results at the condition level and in aggregate to be reasonably stable.

HCC MODEL LOGIC

Upon completion of the NDC-RXC mapping, we scored our proprietary sample population under both the 2016 and 2018 HHS risk-scoring methodology. We modeled benefit year 2016 using an internal implementation of the final 2016 CMS "Do It Yourself" (DIY) tool¹¹ and benefit year 2018 with a version of the same 2016 DIY tool, modified to include our RXC drug mapping and both the coefficients¹² and risk adjustment model changes published in the final 2018 BPPs. By keeping the population constant and modeling each year independently, we isolated the impacts of model changes only while incorporating the interaction of HCCs, RXCs, demographics, and member duration.

Because the DIY tool has not been released for benefit year 2018, we assumed the following in our implementation of the 2018 risk-scoring algorithm:

- RXCo6 and RXCo7 are part of the only drug hierarchy in the 2018 model, with RXCo6 classified as the more severe category.
- HCC37_1 and HCC37_2 are part of a new hierarchy in the 2018 model, with HCC37_1 classified as the more severe condition.
- Only one valid NDC is required to trigger RXC identification for imputation or severity, and CMS will not impose restrictions or conditions (i.e., limits on fills, days, supply, etc., are not considered by the risk-scoring logic) other than the presence of a valid NDC on a valid pharmacy claim.
- A member with a partial month of coverage is credited with a full month when calculating duration factors.

RISK SCORE ANALYSIS

The HHS-HCC risk scoring algorithm, by design, returns detailed results at the member level, creating challenges when analyzing year-over-year changes. Even grouping the data at the condition level (HCC, RXC, or both) creates far too many combinations for truly meaningful and interoperable analysis— particularly when accounting for the interactions of HCCs with the new RXCs.

^{11 &}quot;2016 Benefit Year HHS RA Model Algorithm DIY Software: SAS Version" posted to REGTAP on December 30, 2016.

¹² CMS (April 18, 2017). 2018 Benefit Year Final HHS Risk Adjustment Model Coefficients. Retrieved August 2, 2017, from https://www.cms.gov/ CCIIO/Programs-and-Initiatives/Premium-Stabilization-Programs/ Downloads/2018-Benefit-Year-Final-HHS-Risk-Adjustment-Model-Coefficients.pdf.

Consider the case of diabetes. A diabetic in 2018 will be identified by HCC019, HCC020, HCC021, RXC06, and RXC07. To understand the impact of HCC coefficient changes and RXC additions, we must classify member outcomes into HCC only, RXC only, and HCC and RXC categories. Assigning members to the HCC only or HCC and RXC categories is relatively straightforward. However, the same cannot be said for the RXC only outcome, as there is no obvious method for assigning, say, RXC06 to HCC019, HCC020, or HCC021. To help mitigate this concern, we utilized clinical expertise to group HCCs and RXCs into broader disease categories. These groupings serve to circumvent the issues just discussed, simplify the analysis, and present conditions more holistically.

We modeled risk scores from our data set two ways: 1) retaining all member characteristics, including plan design, cost-sharing reduction (CSR) variant, duration, and demographics, and 2) standardizing members to reflect an adult population enrolled in a standard silver-level plan. For the statewide averages, we leveraged our initial data set without modification, which provided the composite risk scores for the market and created a basis for determining the transfer changes among our disease groupings. For the disease groupings themselves, we used the risk score, durational, and demographic results from our modified adult silver data set.

To isolate the transfer impact from risk score changes and condition imputations, we eliminated the underlying differences in demographics and enrollment duration by calculating the transfer values for each condition group assuming the population average age, gender, and durational factors from the silver data set. For each condition and year, we calculated the total and non-HCC (demographic and duration, if applicable) transfers, after which we could derive the transfers specific to each condition grouping and compare the change across benefit years.¹³ The results by condition in Figure 3 above reflect the expected per member per month (PMPM) change in transfer payments 2018 over 2016, while Figure 4 aggregates results to the population level, which incorporates both the change in risk score and the prevalence of diseases within that condition group.

Limitations

Readers should consider the following limitations when reviewing the results of this study.

The analysis relies on data from a limited set of 2016 individual and small group ACA members. Given differences in medical service and drug utilization as well as prescribing patterns among members in our data and other ACA markets, there is no guarantee the results we present are generalizable to any one specific state, market, region, or issuer in 2018.

We aggregated results to demonstrate shifts among classes of conditions across a sample ACA market. Any one issuer's risk score and risk transfer may be significantly different from the averages in this analysis, depending on the mix of services and medications utilized, the issuer's metallic tier mix and market share, and other market dynamics.

As of this publication, CMS had not released a crosswalk of NDC to RXC. Although we relied on internal pharmaceutical and clinical expertise, stress tested the model under a variety of drug inclusion and exclusion scenarios, and compared our results with Table 4.4 of the 2016 CMS Whitepaper, our drug list will likely not perfectly align with the final list CMS has already incorporated into the 2018 risk score model. If material differences exist between the NDC-RXC mappings, our conclusions may not hold.

As noted above, we conducted sensitivity analyses on the performance of our drug crosswalk by comparing incidence rates of RXCs with the results published in Table 4.4 of the 2016 CMS Whitepaper. Since then, CMS changed the 2018 risk adjustment model and coefficients in the 2018 BPPs but did not provide updated Table 4.4 results. To the extent the newly calibrated risk adjustment model leads to significantly different patterns from those in the CMS Whitepaper, our results may no longer hold.

This analysis estimates only risk transfer changes given 2018 published coefficients and assumed 2018 implementation logic. Pharmacy rebates play a significant role in the current health insurance marketplace. Both the absence of rebates in the calibration of the HHS-HCC model and issuer-specific negotiated rebates will have a material impact on the net profitability (i.e., after risk adjustment and rebates) of a member with a condition. Such an analysis was beyond the scope of this paper.

13 While we model RXCs under the constraint of a silver metallic tier to simplify the analysis, the conclusions do not directionally change if we, instead, model members in only a bronze metallic tier. Our conclusions may not reflect future risk adjustment program results over time for a variety of reasons:

- Since the ACA's inception, the risk adjustment program has been refined at least annually with new data, calculation logic, and/or other fine tuning. Our conclusions may no longer hold should CMS continue to alter the data underlying its statistical models, the HCCs included in the risk-scoring algorithm, or the services and drugs tied to a risk-adjustmenteligible condition.
- The change in the administration and the recent push by Congress to modify the ACA could have a direct impact on the risk adjustment program. Some items materially affecting our analysis include:
 - Complete removal of risk adjustment or significant modification to its implementation
 - Lack of funding for CSR subsidies and the proposed alterations to CSR variants in the risk adjustment program by CMS, the reintroduction of underwriting, or the creation of high-risk pools, which could materially alter the composition of the markets after the 2017 benefit year

Our conclusions may no longer hold should the ACA or the risk adjustment program change.

 Our analysis assumes a steady state in the market and does not consider how shifting formulary or plan design strategies or changes in prescribing patterns might impact outcomes.

Lastly, we do not consider the interaction of the newly established reinsurance pool in the 2018 risk adjustment program and focus, instead, on the impact of the HCC/RXC changes only. It is possible members with specific conditions taking certain medications will reach the reinsurance attachment point and directly lead to increased issuer revenue. Such an analysis was beyond the scope of this paper.

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Appendix

The following table presents the breakdown of the individual 2018 HCCs within each broad condition grouping in Figures 3 and 4 above.

DESCRIPTION	нсс	CATEGORY
HIV/AIDS	HCC001	HIV
SEPTICEMIA, SEPSIS, SYSTEMIC INFLAMMATORY RESPONSE SYNDROME/SHOCK	HCC002	INFECTIOUS
CENTRAL NERVOUS SYSTEM INFECTIONS, EXCEPT VIRAL MENINGITIS	HCC003	INFECTIOUS
VIRAL OR UNSPECIFIED MENINGITIS	HCC004	INFECTIOUS
OPPORTUNISTIC INFECTIONS	HCC006	INFECTIOUS
METASTATIC CANCER	HCC008	CANCER
LUNG, BRAIN, AND OTHER SEVERE CANCERS, INCLUDING PEDIATRIC ACUTE LYMPHOID LEUKEMIA	HCC009	CANCER
NON-HODGKIN'S LYMPHOMAS AND OTHER CANCERS AND TUMORS	HCC010	CANCER
COLORECTAL, BREAST (AGE < 50), KIDNEY, AND OTHER CANCERS	HCC011	CANCER
BREAST (AGE 50+) AND PROSTATE CANCER, BENIGN/UNCERTAIN BRAIN TUMORS, AND OTHER CANCERS AND TUMORS	HCC012	CANCER
THYROID CANCER, MELANOMA, NEUROFIBROMATOSIS, AND OTHER CANCERS AND TUMORS	HCC013	CANCER
PANCREAS TRANSPLANT STATUS/COMPLICATIONS	HCC018	TRANSPLANT
DIABETES WITH ACUTE COMPLICATIONS	HCC019	DIABETES
DIABETES WITH CHRONIC COMPLICATIONS	HCC020	DIABETES
DIABETES WITHOUT COMPLICATION	HCC021	DIABETES
PROTEIN-CALORIE MALNUTRITION	HCC023	ENDOCRINE
MUCOPOLYSACCHARIDOSIS	HCC026	ENDOCRINE
LIPIDOSES AND GLYCOGENOSIS	HCC027	ENDOCRINE
CONGENITAL METABOLIC DISORDERS, NOT ELSEWHERE CLASSIFIED	HCC028	ENDOCRINE
AMYLOIDOSIS, PORPHYRIA, AND OTHER METABOLIC DISORDERS	HCC029	ENDOCRINE
ADRENAL, PITUITARY, AND OTHER SIGNIFICANT ENDOCRINE DISORDERS	HCC030	ENDOCRINE
IVER TRANSPLANT STATUS/COMPLICATIONS	HCC034	LIVER
END-STAGE LIVER DISEASE	HCC035	LIVER
CIRRHOSIS OF LIVER	HCC036	LIVER
CHRONIC HEPATITIS	HCC037	HEPATITIS
CHRONIC VIRAL HEPATITIS C	HCC037_1	HEPATITIS
CHRONIC VIRAL HEPATITIS, OTHER/UNSPECIFIED	HCC037_2	HEPATITIS
ACUTE LIVER FAILURE/DISEASE, INCLUDING NEONATAL HEPATITIS	HCC038	LIVER
NTESTINE TRANSPLANT STATUS/COMPLICATIONS	HCC041	DIGESTIVE
PERITONITIS/GASTROINTESTINAL PERFORATION/NECROTIZING ENTEROCOLITIS	HCC042	DIGESTIVE
NTESTINAL OBSTRUCTION	HCC045	DIGESTIVE
CHRONIC PANCREATITIS	HCC046	DIGESTIVE
ACUTE PANCREATITIS/OTHER PANCREATIC DISORDERS AND INTESTINAL MALABSORPTION	HCC047	DIGESTIVE
INFLAMMATORY BOWEL DISEASE	HCC048	DIGESTIVE
NECROTIZING FASCIITIS	HCC054	MUSCULOSKELET

DESCRIPTION	нсс	CATEGORY
BONE/JOINT/MUSCLE INFECTIONS/NECROSIS	HCC055	MUSCULOSKELETAL
RHEUMATOID ARTHRITIS AND SPECIFIED AUTOIMMUNE DISORDERS	HCC056	AUTOIMMUNE
SYSTEMIC LUPUS ERYTHEMATOSUS AND OTHER AUTOIMMUNE DISORDERS	HCC057	AUTOIMMUNE
OSTEOGENESIS IMPERFECTA AND OTHER OSTEODYSTROPHIES	HCC061	MUSCULOSKELETAL
CONGENITAL/DEVELOPMENTAL SKELETAL AND CONNECTIVE TISSUE DISORDERS	HCC062	MUSCULOSKELETAL
CLEFT LIP/CLEFT PALATE	HCC063	CHROMOSOMAL
MAJOR CONGENITAL ANOMALIES OF DIAPHRAGM, ABDOMINAL WALL, AND ESOPHAGUS, AGE < 2	HCC064	CHROMOSOMAL
HEMOPHILIA	HCC066	HEMATOLOGIC
MYELODYSPLASTIC SYNDROMES AND MYELOFIBROSIS	HCC067	HEMATOLOGIC
APLASTIC ANEMIA	HCC068	HEMATOLOGIC
ACQUIRED HEMOLYTIC ANEMIA, INCLUDING HEMOLYTIC DISEASE OF NEWBORN	HCC069	HEMATOLOGIC
SICKLE CELL ANEMIA (HB-SS)	HCC070	HEMATOLOGIC
THALASSEMIA MAJOR	HCC071	HEMATOLOGIC
COMBINED AND OTHER SEVERE IMMUNODEFICIENCIES	HCC073	IMMUNOLOGIC
DISORDERS OF THE IMMUNE MECHANISM	HCC074	IMMUNOLOGIC
COAGULATION DEFECTS AND OTHER SPECIFIED HEMATOLOGICAL DISORDERS	HCC075	HEMATOLOGIC
DRUG PSYCHOSIS	HCC081	MH/SA
DRUG DEPENDENCE	HCC082	MH/SA
SCHIZOPHRENIA	HCC087	MH/SA
MAJOR DEPRESSIVE AND BIPOLAR DISORDERS	HCC088	MH/SA
REACTIVE AND UNSPECIFIED PSYCHOSIS, DELUSIONAL DISORDERS	HCC089	MH/SA
PERSONALITY DISORDERS	HCC090	MH/SA
ANOREXIA/BULIMIA NERVOSA	HCC094	MH/SA
PRADER-WILLI, PATAU, EDWARDS, AND AUTOSOMAL DELETION SYNDROMES	HCC096	CHROMOSOMAL
DOWN SYNDROME, FRAGILE X, OTHER CHROMOSOMAL ANOMALIES, AND CONGENITAL MALFORMATION SYNDROMES	HCC097	CHROMOSOMAL
AUTISTIC DISORDER	HCC102	DEVELOPMENTAL
PERVASIVE DEVELOPMENTAL DISORDERS, EXCEPT AUTISTIC DISORDER	HCC103	DEVELOPMENTAL
TRAUMATIC COMPLETE LESION CERVICAL SPINAL CORD	HCC106	NERVOUS
QUADRIPLEGIA	HCC107	NERVOUS
TRAUMATIC COMPLETE LESION DORSAL SPINAL CORD	HCC108	NERVOUS
PARAPLEGIA	HCC109	NERVOUS
SPINAL CORD DISORDERS/INJURIES	HCC110	NERVOUS
AMYOTROPHIC LATERAL SCLEROSIS AND OTHER ANTERIOR HORN CELL DISEASE	HCC111	NERVOUS
QUADRIPLEGIC CEREBRAL PALSY	HCC112	NERVOUS
CEREBRAL PALSY, EXCEPT QUADRIPLEGIC	HCC113	NERVOUS
SPINA BIFIDA AND OTHER BRAIN/SPINAL/NERVOUS SYSTEM CONGENITAL ANOMALIES	HCC114	NERVOUS
MYASTHENIA GRAVIS/MYONEURAL DISORDERS AND GUILLAIN-BARRE SYNDROME/INFLAMMATORY AND TOXIC NEUROPATHY	HCC115	NERVOUS

AULTPLE SCLEROSIS HCCLIB NERVOUS VARKINSON'S, HUNTINGTON'S, AND SPINOCEREBELLAR DISEASE. AND OTHER NEURODEGENERATIVE DISORDERS HCCLID NERVOUS SEEQUE DISORDERS AND CONVULSIONS HCCLID NERVOUS WORDCEPHALUS HCCLID NERVOUS WORDCEPHALUS HCCLID NERVOUS WORDTRAILMART COMA, BRAIN COMPRESSION/ANDXIC DAMAGE HCCLID NERVOUS WORDTRAILMART COMA, BRAIN COMPRESSION/ANDXIC DAMAGE HCCLID RESPIRATORY WESPIRATORY ARREST HCCLID HCCLID RESPIRATORY ARRENT SANDOR DEPENDENCE/TRACHEDSTOMY STATUS HCCLID CARDIOVASCULAR VESPIRATORY FALLURE AND SHOCK, INCLUDING RESPIRATORY DISTRESS SYNDROMES HCCLID CARDIOVASCULAR VERT TRANSPLANT HCCLID CARDIOVASCULAR CARDIOVASCULAR VESPIRATORY FELEVE HEART FAILURE HCCLID CARDIOVASCULAR CARDIOVASCULAR VECT MONDRADAL DEPETTORY HCCLID CARDIOVASCULAR CARDIOVASCULAR VECT MONDRADAL DEPETTORY HCCLID CARDIOVASCULAR CARDIOVASCULAR VECT MONDRADAL DEPETTORY HCCLID CARDIOVASCULAR CARDIOVASCULAR	DESCRIPTION	нсс	CATEGORY
WARKINSON'S, HUNTINGTON'S, AND SPINOCEREBELLAR DISEASE, AND OTHER NEURODEGENERATIVE DISORDERS HCC110 NERVOUS BEEVILEE DISORDERS AND CONVULSIONS HCC120 NERVOUS VOROCEPHALUS HCC120 NERVOUS VOROCEPHALUS HCC120 NERVOUS VOROCEPHALUS HCC120 NERVOUS VOROCEPHALUS HCC120 RESPIRATORY BESPIRATORY HCC120 RESPIRATORY RESPIRATORY FAURCH CONTRY TATUS HCC120 RESPIRATORY RESPIRATORY FAURE AND SHOCK, INCLUDING RESPIRATORY DISTRESS SYNDROMES HCC120 CARDIOVASCULAR VERT TANSPLATT HCC120 CARDIOVASCULAR TANSPLATORY VERT TANSPLATORY HCC120 CARDIOVASCULAR TANSPLATORY VERT TANSPLATORY HCC120 CARDIOVASCULAR TANSPLATORY VERT TANSPLATORY HCC120 CARDIOVASCULAR TANSPLATORY VOROCERDIAL INFARCTON HCC120 CARDIOVASCULAR TANSPLATORY VOROCERDIAL INFARCTON HCC120 CARDIOVASCULAR TANSPLATORY VOROCERDIAL INFARCTON HCC120 CARDIOVASCULAR TANSPLATORY </td <td>MUSCULAR DYSTROPHY</td> <td>HCC117</td> <td>NERVOUS</td>	MUSCULAR DYSTROPHY	HCC117	NERVOUS
BELEURE DISORDERS AND CONVULSIONSHCCL20NERVOUSHYDROCEPHALUSHCCL21NERVOUSHYDROCEPHALUSHCCL22NERVOUSBESPIRATORY DEPENDENCE/TRACHEOSTOMY STATUSHCCL25RESPIRATORYBESPIRATORY ARRESTHCCL26RESPIRATORYSARDO-RESPIRATORY FAILURE AND SHOCK, INCLUDING RESPIRATORY DISTRESS SYNDROMESHCCL27RESPIRATORYSARDO-RESPIRATORY FAILURE AND SHOCK, INCLUDING RESPIRATORY DISTRESS SYNDROMESHCCL27RESPIRATORYBEART TRANSPLANTHCCL28CARDIOVASCULARRELART TRANSPLANTHCCL29TRANSPLANTHEART ASSISTIVE DEVICE/ARTIFICIAL HEARTHCCL29TRANSPLANTHCCL29CARDIOVASCULARKCUTE MYOCARDIAL INFARCTIONHCCL31CARDIOVASCULARHCCL31CARDIOVASCULARHEART INFECTION/INFLAMMATION, EXCEPT RHEUMATICHCCL31CARDIOVASCULARCARDIOVASCULARAGAR CONGENITAL HEART SYNDROMER AND OTHER SEVERE CONCENITAL HEART DISORDERSHCCL32CARDIOVASCULARMAJOR CONGENITAL HEART YLTEMER SEVERE CONCENITAL HEART DISORDERSHCCL32CARDIOVASCULARMERULUAR DVENTRICULARS SEPTAL DEFECTS, PATENT DUCTUS ARTERIOSUS, AND OTHER CONGENITAL HEARTYHCCL30CARDIOVASCULARNTRACRANIAL HEMORRHAGEHCCL30CARDIOVASCULARHCCL30CARDIOVASCULARSCHEIMC OR UNSPECIFIED STORKEHCCL30CEREBROVASCULARHCCL30CEREBROVASCULARMICHAR DVENTRICULARS SEPTAL DEFECTS, PATENT DUCTUS ARTERIOSUS, AND OTHER CONGENITAL HEARTYHCCL30CARDIOVASCULARMICHAR DVENTRICULARS SEPTAL DEFECTS, PATENT DUCTUS ARTERIOSUS, AND OTHER CONGENITAL HEARTYHCCL30	MULTIPLE SCLEROSIS	HCC118	NERVOUS
NYDROCEPHALUSHCC22NERVOUSNON-TRAUMATIC GOMA, BRAIN COMPRESSION/ANDXIC DAMAGEHCC122NERVOUSRESPIRATORYHCC125RESPIRATORYRESPIRATORY ARRESTHCC126RESPIRATORYRESPIRATORY ARRESTHCC126RESPIRATORYREADIO-RESPIRATORY FALURE AND SHOCK, INCLUDING RESPIRATORY DISTRESS SYNDROMESHCC127RESPIRATORYREART ASSISTIVE DEVICE/ARTIFICIAL HEARTHCC128CARDIOVASCULARREART TRANSPLANTHCC129TRANSPLANTCONGENTVE HEART TRAUREHCC120CARDIOVASCULARRCUTE MYOCARDIAL INFARCTIONHCC130CARDIOVASCULARHEART INFECTION/INFLAMMATION, EXCEPT RHEUMATICHCC132CARDIOVASCULARNATABLE KONGENNA AND OTHER ACUTE ISCHEMIC HEART DISEASEHCC132CARDIOVASCULARHYDROLASTICL IEFT HEART SYNDROME AND OTHER SEVERE CONCENTIAL HEART DISORDERSHCC130CARDIOVASCULARAAJOR CONGENITAL HEART/CIRCULATORY DISORDERSHCC130CARDIOVASCULARNTRALA MON WENGULAR SEPTIL DEFECTS, PATENT DUCTUS ARTERIOSUS, AND OTHER CONGENITAL HEART/HCC130CARDIOVASCULARNTRACANNIAL HEMORRIAGEHCC140CEREBROVASCULARHCC140CEREBROVASCULARNTRACRANIAL HEMORRIAGEHCC140CEREBROVASCULARHCC140CEREBROVASCULARNTRACRANIAL HEMORRIAGEHCC140CEREBROVASCULARHCC140CEREBROVASCULARNTRACRANIAL HEMORRIAGEHCC140CEREBROVASCULARHCC140CEREBROVASCULARNTRACRANIAL HEART TRUMENCING SAND ORGENSHCC140CEREBROVASCULARHCC140CEREBROVASCULARNTRACRANIAL	PARKINSON'S, HUNTINGTON'S, AND SPINOCEREBELLAR DISEASE, AND OTHER NEURODEGENERATIVE DISORDERS	HCC119	NERVOUS
NON-TRAUMATIC COMA, BRAIN GOMPRESSION/ANOXIC DAMAGEHCC122NERVOUSRESPIRATOR DEPENDENCE/TRACHEOSTOMY STATUSHCC125RESPIRATORYRESPIRATORY ARRESTHCC125RESPIRATORYARROD-RESPIRATORY FAILURE AND SHOCK, INCLUDING RESPIRATORY DISTRESS SYNDROMESHCC127RESPIRATORYARROD-RESPIRATORY FAILURE AND SHOCK, INCLUDING RESPIRATORY DISTRESS SYNDROMESHCC127RESPIRATORYREART ASSISTIVE DEVICE/ARTIFICIAL HEARTHCC120CARDIOVASCULARKEART TRANSPLANTHCC123CARDIOVASCULARKCUTE MYOCARDAL INFARTIONHCC131CARDIOVASCULARKCUTE MYOCARDAL INFARTIONHCC132CARDIOVASCULARHINTABLE AND OTHER ACUTE ISCHEMIC HEART DISEASEHCC132CARDIOVASCULARHYOPALASTIC LEFT HEART SYNDROME AND OTHER SEVERE CONGENTAL HEART DISORDERSHCC132CARDIOVASCULARHYOPALASTIC LEFT HEART SYNDROME AND OTHER SEVERE CONGENTAL HEART DISORDERSHCC132CARDIOVASCULARHYRIAL AND YNDROME AND OTHER SEVERE CONGENTAL HEART DISORDERSHCC132CARDIOVASCULARHYRIAL AND YNDROME STORCEHCC132CARDIOVASCULARCARDIOVASCULARHYRIAL AND YNDROMESHCC142CARDIOVASCULARCARDIOVASCULARHYRIAL AND YNDROMESHCC145CEREBROVASCULARHCC145CEREBROVASCULARHEIROSIS OF HEART ARRHYTHMASHCC150NERVOUSMERVOUSHYRIAL AND YNDROMESHCC150NERVOUSMERVOUSHYRIAL AND YNDROMESHCC150CEREBROVASCULARHCC150HYRIAL AND YNDROMESHCC150CEREBROVASCULARHCC150HYRIAL CONSTAGUERARY	SEIZURE DISORDERS AND CONVULSIONS	HCC120	NERVOUS
RESPIRATOR DEPENDENCE/TRACHEOSTOMY STATUSHCCl25RESPIRATORY RESPIRATORY ARRESTHCCl26RESPIRATORY RESPIRATORY ARRESTHCCl27RESPIRATORY RESPIRATORY ARRESTHCCl28CARDIOVASCULAR CARDIOVASCULARHEART ASSISTIVE DEVICE/ARTIFICIAL HEARTHCCl29TERANSPILANTHCCl29CARDIOVASCULAR CONSONSSTIVE HEART FAILUREHCCl30CARDIOVASCULAR CARDIOVASCULARHCCL17HEART FAILUREHCCl30CARDIOVASCULAR CARDIOVASCULARHCCl31CARDIOVASCULAR CARDIOVASCULAR LARAT TRANSPILANTHCCl32CARDIOVASCULAR CARDIOVASCULARHCRL17HANTEHCCl31CARDIOVASCULAR CARDIOVASCULARHCCl32CARDIOVASCULAR CARDIOVASCULAR LARAT STATUSHCCl32CARDIOVASCULAR CARDIOVASCULAR LARAT STATUSHCCl32CARDIOVASCULAR CARDIOVASCULAR LARAT STATUSHCCl32CARDIOVASCULAR CARDIOVASCULAR LARAT STATUSHCCl32CARDIOVASCULAR CARDIOVASCULAR LARAT STATUSHCCl32CARDIOVASCULAR CARDIOVASCULAR LARAT STATUS/COULTORY DISORDERSHCCl32CARDIOVASCULAR CARDIOVASCULAR LARAT STATUS/CULAR SEPTAL DEFECTS, PATENT DUGTUS ARTERIOSUS, AND DTHER CONGENITAL HEART / HCCl32HCCl32CARDIOVASCULAR CARDIOVASCULAR SCHEMIC PUNTRICULAR SEPTAL DEFECTS, PATENT DUGTUS ARTERIOSUS, AND DTHER CONGENITAL HEART / HCCl32HCCl32CARDIOVASCULAR CARDIOVASCULAR SCHEMIC PUNTRICULAR SEPTAL DEFECTS, PATENT DUGTUS ARTERIOSUS, AND DTHER CONGENITAL HEART / HCCl32HCCl32CEREBROVASCULAR CARDIOVASCULAR COL32CEREBROVASCULAR CARDIOVASCULAR LEART ARNITTHINASHCCl32CEREBROVASCULAR LARAT STATUS/COMPLEXHCCl32CEREBROVASCULAR L	HYDROCEPHALUS	HCC121	NERVOUS
RESPIRATORY ARRESTHCCI26RESPIRATORYCARDIO-RESPIRATORY FAILURE AND SHOCK. INCLUDING RESPIRATORY DISTRESS SYNDROMESHCCI27RESPIRATORYHEART ASSISTIVE DEVICE/ARTIFICIAL HEARTHCCI28CARDIOVASCULARCONGESTIVE HEART FAILUREHCCI20TRANSPLANTSONGESTIVE HEART FAILUREHCCI20CARDIOVASCULARNORGESTIVE HEART FAILUREHCCI22CARDIOVASCULARNORGESTIVE HEART FAILUREHCCI22CARDIOVASCULARNORGESTIVE HEART FAILUREHCCI23CARDIOVASCULARNORTARTALE RANDO THER ACUTE ISCHEMIC HEART DISEASEHCCI23CARDIOVASCULARNORTARTALE RANDO THER ACUTE ISCHEMIC HEART DISEASEHCCI28CARDIOVASCULARALADR CONGENITAL HEART CINCULATORY DISORDERSHCCI38CARDIOVASCULARALADR CONGENITAL HEART CINCULATORY DISORDERSHCCI26CARDIOVASCULARNITRIAL AND VENTRICULAR SEPTAL DEFECTS. PATENT DUCTUS ARTERIOSUS. AND OTHER CONGENITAL HEARTHCCI26CARDIOVASCULARNITRIAL AND VENTRICULAR SEPTAL DEFECTS. PATENT DUCTUS ARTERIOSUS. AND OTHER CONGENITAL HEARTHCCI26CARDIOVASCULARNITRIAL AND VENTRICULAR SEPTAL DEFECTS. PATENT DUCTUS ARTERIOSUS. AND OTHER CONGENITAL HEARTHCCI26CREBROVASCULARVERCULAT ORY USORDERSHCCI26CREBROVASCULARHCCI26CREBROVASCULARVERCULAT ORY USORDERSHCCI26CREBROVASCULARHCCI26CREBROVASCULARVERCULAT ORY AND ARTERIOVENOUS MALFORMATIONHCCI26CREBROVASCULARHCCI26CREBROVASCULARVERCULAT ONSECHIED STOCKEHCCI27CREBROVASCULARHCCI26CREBROVASCULAR <tr< td=""><td>NON-TRAUMATIC COMA, BRAIN COMPRESSION/ANOXIC DAMAGE</td><td>HCC122</td><td>NERVOUS</td></tr<>	NON-TRAUMATIC COMA, BRAIN COMPRESSION/ANOXIC DAMAGE	HCC122	NERVOUS
DARDIO-RESPIRATORY FAILURE AND SHOCK. INCLUDING RESPIRATORY DISTRESS SYNDROMESHCC127RESPIRATORYREART ASSISTIVE DEVICE/ARTIFICIAL HEARTHCC128CARDIOVASCULARREART TRANSPLANTHCC129TRANSPLANTCONGESTIVE HEART FAILUREHCC120CARDIOVASCULARRCUTE MYOCARDIAL INFARCTIONHCC131CARDIOVASCULARHEART TRANSPLANTHCC132CARDIOVASCULARINSTRALE ANDIA AND OTHER ACUTE ISCHEMIC HEART DISEASEHCC132CARDIOVASCULARHEART INFECTION/INFLAMMATION. EXCEPT RHEUMATICHCC132CARDIOVASCULARMAJOR CONGENTAL HEART/CIRCULATORY DISORDERSHCC137CARDIOVASCULARALAJOR CONGENTAL HEART/CIRCULATORY DISORDERSHCC138CARDIOVASCULARMITAL AND VENTRICULAR SEPTAL DEFECTS, PATENT DUCTUS ARTERIOSUS, AND OTHER CONGENITAL HEARTHCC139CARDIOVASCULARSCHEMIC OR UNSPECIFIED STROKEHCC142CARDIOVASCULARCARDIOVASCULARSCHEMIC OR UNSPECIFIED STROKEHCC145CEREBROVASCULAIMITACRANIAL HEMORRHAGEHCC145CEREBROVASCULAIMITACRANIAL HEMORRHAGEHCC145CEREBROVASCULAIMITACRANIAL HEMORRHAGEHCC150NERVOUSMITHEROSCLEROSIS OF THE EXTREMITIES WITH ULCERATION OR GANGRENEHCC151CARDIOVASCULARMITHEROSIS OF THE EXTREMITIES WITH ULCERATION OR GANGRENEHCC154CEREBROVASCULAIMITHEROSIS OF THE EXTREMITIES WITH ULCERATION OR GANGRENEHCC155CARDIOVASCULARMUMDARY EMBOLISM AND DEPVEIN THROMBOSISHCC156RESPIRATORYMUNDARY EMBOLISM AND DEPVEIN THROMBOSISHCC156RESPIRATORY	RESPIRATOR DEPENDENCE/TRACHEOSTOMY STATUS	HCC125	RESPIRATORY
HEART ASSISTIVE DEVICE/ARTIFICIAL HEARTHCC128CARDIOVASCULARHEART TRANSPLANTHCC129TRANSPLANTCONGESTIVE HEART FAILUREHCC130CARDIOVASCULARCQUTE MYOCARDIAL INFARCTIONHCC131CARDIOVASCULARINSTABLE ANGINA AND OTHER ACUTE ISCHEMIC HEART DISEASEHCC132CARDIOVASCULARINSTABLE ANGINA AND OTHER ACUTE ISCHEMIC HEART DISEASEHCC132CARDIOVASCULARHEART INFECTION/INFLAMMATION, EXCEPT RHEUMATICHCC135CARDIOVASCULARALOR CONGENITAL HEART SYNDROME AND OTHER SEVERE CONGENITAL HEART DISORDERSHCC132CARDIOVASCULARAAJOR CONGENITAL HEART/CIRCULATORY DISORDERSHCC132CARDIOVASCULARALOR CONGENITAL HEART/ARRYTHMIASHCC132CARDIOVASCULARSPECIFIED HEART ARRYTHMIASHCC145CEREBROVASCULARSCHEMIC OL INSPECIFIED STROKEHCC145CEREBROVASCULARSCHEMIC OL INSPECIFIED STROKEHCC145CEREBROVASCULARVERTARCARNAL HEMORRHAGEHCC145CEREBROVASCULARVERTARCARNAL HEMORRHAGEHCC150NERVOUSACTIFIC SYNDROMESHCC150NERVOUSACTIFIC SYNDROMESHCC155CEREBROVASCULARVERTARCARNAL HEMORRHAGEHCC155CEREBROVASCULARVERTARCARNAL HEMORRHAGEHCC155CEREBROVASCULARVERTARCARNAL HEMORRHAGEHCC155CEREBROVASCULARVERTARCARNAL HEMORRHAGEHCC155CEREBROVASCULARVERTARCARNAL HEMORRHAGEHCC155CEREBROVASCULARVERTARCARNAL HEMORRHAGEHCC155CEREBROVASCULARVERTARCARNAL HEMORRHAGEHCC15	RESPIRATORY ARREST	HCC126	RESPIRATORY
HEART TRANSPLANTHCC129TRANSPLANTCONGESTIVE HEART FAILUREHCC130CARDIOVASCULARCQUTE MYOCARDIAL INFARCTIONHCC131CARDIOVASCULARLINISTABLE ANGINA AND OTHER ACUTE ISCHEMIC HEART DISEASEHCC132CARDIOVASCULARHEART INFECTION/INFLAMMATION, EXCEPT RHEUMATICHCC133CARDIOVASCULARVPOPLASTIC LEFT HEART SYNDROME AND OTHER SEVERE CONGENITAL HEART DISORDERSHCC136CARDIOVASCULARAJOR CONGENITAL HEART/CIRCULATORY DISORDERSHCC136CARDIOVASCULARTIRALADRO VENTRICULAR SEPTAL DEFECTS, PATENT DUGTUS ARTERIOSUS, AND OTHER CONGENITAL HEART/HCC139CARDIOVASCULARSEPECIFIED HEART ARRHYTHMIASHCC146CEREBROVASCULARNTRACRANIAL HEMORRHAGEHCC146CEREBROVASCULARSEPECIFIED HEART ARRHYTHMIASHCC146CEREBROVASCULARHEMIPLEGIA/HEMIPARESISHCC150NERVOUSADONOPLEGIA, OTHER PARALYTIC SYNDROMESHCC150CEREBROVASCULARHEMIPLEGIA/HEMIPARESISHCC150CEREBROVASCULARADONOPLEGIA, OTHER PARALYTIC SYNDROMESHCC155CEREBROVASCULARHUMONARY EMBOLISM AND DEEP VEIN THROMBOSISHCC156CARDIOVASCULARLUNG TRANSPLANT STATUS/COMPLICATIONSHCC156RESPIRATORYLING TRANSPLANT STATUS/COMPLICATIONSHCC156RESPIRATORYLING TRANSPLANT STATUS/COMPLICATIONSHCC156RESPIRATORYLING TRANSPLANT STATUSHCC156RESPIRATORYLING TRANSPLANT STATUSHCC156RESPIRATORYLING TRANSPLANT STATUSHCC156RESPIRATORYLING TRANSPLANT STATUS <td< td=""><td>CARDIO-RESPIRATORY FAILURE AND SHOCK, INCLUDING RESPIRATORY DISTRESS SYNDROMES</td><td>HCC127</td><td>RESPIRATORY</td></td<>	CARDIO-RESPIRATORY FAILURE AND SHOCK, INCLUDING RESPIRATORY DISTRESS SYNDROMES	HCC127	RESPIRATORY
CONGESTIVE HEART FAILUREHCC130CARDIOVASCULARKCUTE MYOCARDIAL INFARCTIONHCC131CARDIOVASCULARKCUTE MYOCARDIAL INFARCTIONHCC132CARDIOVASCULARINSTABLE ANGINA AND OTHER ACUTE ISCHEMIC HEART DISEASEHCC132CARDIOVASCULARHEART INFECTION/INFLAMMATION, EXCEPT RHEUMATICHCC135CARDIOVASCULARHACDISTIC LEFT HEART SYNDROME AND OTHER SEVERE CONGENITAL HEART DISORDERSHCC137CARDIOVASCULARAAJOR CONGENITAL HEART/CIRCULATORY DISORDERSHCC138CARDIOVASCULARMECULATORY DISORDERSHCC142CARDIOVASCULARINTRIAL AND VENTRICULAR SEPTAL DEFECTS, PATENT DUCTUS ARTERIOSUS, AND OTHER CONGENITAL HEART/HCC142CARDIOVASCULARINTRIACANIAL HEMORRHAGEHCC142CARDIOVASCULARSCHEMIC OR UNSPECIFIED STROKEHCC145CEREBROVASCULARCEREBROVASCULARHCC150NERVOUSAONOPLEGIA, OTHER PARALYTIC SYNDROMESHCC151NERVOUSVIERROSUCIAN DISORDERSHCC154CEREBROVASCULARVIERROSUCIAN DISORDERSHCC154CEREBROVASCULARVIERROSUCIAN DISORDERSHCC154CEREBROVASCULARVIERROSUS OF THE EXTREMITIES WITH ULCERATION OR GANGRENEHCC154CEREBROVASCULARVIERROSUS OF THE EXTREMITIES WITH ULCERATION OR GANGRENEHCC154CEREBROVASCULARVIERROSUS OF THE EXTREMITIES WITH ULCERATION OR GANGRENEHCC154CEREBROVASCULARVIERROSUS OF THE EXTREMITIES WITH ULCERATION OR GANGRENEHCC165CARDIOVASCULARVIERROSUS OF LING AND DEPE VEIN THROMBOSISHCC164RESPIRATORYVIERROSUS OF LING AN	HEART ASSISTIVE DEVICE/ARTIFICIAL HEART	HCC128	CARDIOVASCULAR
CUTE MYOCARDIAL INFARCTIONHCC31CARDIOVASCULARNINSTABLE ANGINA AND OTHER ACUTE ISCHEMIC HEART DISEASEHCC32CARDIOVASCULARHEART INFECTION/INFLAMMATION, EXCEPT RHEUMATICHCC35CARDIOVASCULARMAJOR CONGENITAL HEART SYNDROME AND OTHER SEVERE CONGENITAL HEART DISORDERSHCC37CARDIOVASCULARMAJOR CONGENITAL HEART/CIRCULATORY DISORDERSHCC38CARDIOVASCULARMAJOR CONGENITAL HEART/CIRCULATORY DISORDERSHCC38CARDIOVASCULARSTRIAL ADD VENTRICULAR SEPTAL DEFECTS, PATENT DUCTUS ARTERIOSUS, AND OTHER CONGENITAL HEART/HCC39CARDIOVASCULARSPECIFIED HEART ARRHYTHMIASHCC42CARDIOVASCULARSTRIAL ADD VENTRICULAR SEPTAL DEFECTS, PATENT DUCTUS ARTERIOSUS, AND OTHER CONGENITAL HEART/HCC42CARDIOVASCULARSPECIFIED HEART ARRHYTHMIASHCC42CARDIOVASCULARCEREBROVASCULARSCHEMIC OR UNSPECIFIED STROKEHCC44CEREBROVASCULARSCHEMIC OR UNSPECIFIED STROKEHCC45CEREBROVASCULARCEREBROVASCULARHCC150NERVOUSHCC150CARDIOVASCULARHCC151NERVOUSHCC156CARDIOVASCULARHCC156CARDIOVASCULARCARDIOVASCULARHCC158CARDIOVASCULARCARDIOVASCULARHCC158CEREBROVASCULARCARDIOVASCULARHCC158CEREBROVASCULARCARDIOVASCULARHCC156CARDIOVASCULARCARDIOVASCULARHCC156CARDIOVASCULARCARDIOVASCULARHCC158CEREBROVASCULARCARDIOVASCULARHCC156CARDIOVASCULARCARDIOVASCULARHCC156	HEART TRANSPLANT	HCC129	TRANSPLANT
NURSTABLE ANGUNA AND OTHER ACUTE ISCHEMIC HEART DISEASEHCC132CARDIOVASCULARHEART INFECTION/INFLAMMATION, EXCEPT RHEUMATICHCC135CARDIOVASCULARANJOR CONGENITAL HEART SYNDROME AND OTHER SEVERE CONGENITAL HEART DISORDERSHCC137CARDIOVASCULARMAJOR CONGENITAL HEART/CIRCULATORY DISORDERSHCC138CARDIOVASCULARANJOR CONGENITAL HEART/CIRCULARS EPTAL DEFECTS, PATENT DUCTUS ARTERIOSUS, AND OTHER CONGENITAL HEART/HCC139CARDIOVASCULARSPECIFIED HEART ARRHYTMIASHCC142CARDIOVASCULARSPECIFIED HEART ARRHYTMIASHCC145CEREBROVASCULARNTRACRANIAL HEMORRHAGEHCC146CEREBROVASCULARSPECIFIED HEART ARRHYTMIASHCC146CEREBROVASCULARSPECIFIED HEART ARRHYTMIASHCC146CEREBROVASCULARSPECIFIED STROKEHCC146CEREBROVASCULARSPECIFIED HEART ARRHYTMIASHCC146CEREBROVASCULARSPECIFIED ARTERIOVENOUS MALFORMATIONHCC149CEREBROVASCULARHEINLEGIA/HEMIPARESISHCC150NERVOUSANDOPLEGIA, OTHER PARALYTIC SYNDROMESHCC150NERVOUSANDOPLEGIA, OTHER PARALYTIC SYNDROMESHCC150CEREBROVASCULARAND CLERASE WITH COMPLICATIONSHCC156CARDIOVASCULARAND CLEASE WITH COMPLICATIONSHCC156CARDIOVASCULARAND CLEASE WITH COMPLICATIONSHCC156CARDIOVASCULARAND CLEASE WITH COMPLICATIONSHCC150RESPIRATORYAND CHER LUNG DISORDERSHCC160RESPIRATORYSYSTIC FIBROSIS OF LUNG AND OTHER LUNG DISORDERSHCC161RESPIRATORYSIGNI	CONGESTIVE HEART FAILURE	HCC130	CARDIOVASCULAR
HEART INFECTION/INFLAMMATION, EXCEPT RHEUMATICHCC135CARDIOVASCULARHYPOPLASTIC LEFT HEART SYNDROME AND OTHER SEVERE CONGENITAL HEART DISORDERSHCC137CARDIOVASCULARMAJOR CONGENITAL HEART/CIRCULATORY DISORDERSHCC138CARDIOVASCULARSIRCULATORY DISORDERSHCC134CARDIOVASCULARSIRCULATORY DISORDERSHCC134CARDIOVASCULARSIRCULATORY DISORDERSHCC134CARDIOVASCULARSIRCULATORY DISORDERSHCC134CARDIOVASCULARSIRCULATORY DISORDERSHCC134CEREBROVASCULARSCHEMIC OR UNSPECIFIED STROKEHCC134CEREBROVASCULARSCHEMIC OR UNSPECIFIED STROKEHCC136CEREBROVASCULARAONOPLEGIA, OTHER PARALYTIC SYNDROMESHCC154CEREBROVASCULARAONOPLEGIA, OTHER PARALYTIC SYNDROMESHCC155CARDIOVASCULARAONOPLEGIA, OTHER PARALYTIC SYNDROMESHCC156CARDIOVASCULARAONOPLEGIA, OTHER PARALYTIC SYNDROMESHCC156CARDIOVASCULARAONOPLEGIA, OTHER PARALYTIC SYNDROMESHCC156CARDIOVASCULARAONOPLEGIA, OTHER PARALYTIC SYNDROMESHCC156CARDIOVASCULARAONOPLEGIA, OTHER PARALYTIC SYNDROMESHCC156CARDIOVASCULARAND LUMONARY EMBOLISM AND DEEP VEIN THROMBOSISHCC156CARDIOVASCULARCYSTIC FIBROSIS OF THE EXTREMITIES WITH ULCERATION OR GANGRENEHCC156CARDIOVASCULARCYSTIC FIBROSIS OF LUNG AND DEEP VEIN THROMBOSISHCC156CARDIOVASCULARCYSTIC FIBROSIS OF LUNG AND DEEPSHCC167RESPIRATORYCHRONIC OBSTRUCTIVE PULMONARY DISEASE, INCLUDING BRONCHIECTASISHCC16	ACUTE MYOCARDIAL INFARCTION	HCC131	CARDIOVASCULAR
HYPOPLASTIC LEFT HEART SYNDROME AND OTHER SEVERE CONGENITAL HEART DISORDERSHCC137CARDIOVASCULARMAJOR CONGENITAL HEART/CIRCULATORY DISORDERSHCC138CARDIOVASCULARATRIAL AND VENTRICULAR SEPTAL DEFECTS, PATENT DUCTUS ARTERIOSUS, AND OTHER CONGENITAL HEART/HCC139CARDIOVASCULARSIRCULATORY DISORDERSHCC142CARDIOVASCULARSIRCULATORY DISORDERSHCC142CARDIOVASCULARSIRCULATORY DISORDERSHCC142CARDIOVASCULARSIRCULATORY DISORDERSHCC145CEREBROVASCULARNTRACRANIAL HEMORRHAGEHCC146CEREBROVASCULARSCHEMIC OR UNSPECIFIED STROKEHCC146CEREBROVASCULARSCHEMIC OR UNSPECIFIED STROKEHCC150NERVOUSADNOPLEGIA, OTHER PARALYTIC SYNDROMESHCC151NERVOUSADNOPLEGIA, OTHER PARALYTIC SYNDROMESHCC154CEREBROVASCULARADNOPLEGIA, OTHER PARALYTIC SYNDROMESHCC155CEREBROVASCULARADNOPLEGIA, OTHER PARALYTIC SYNDROMESHCC156CARDIOVASCULARADIONELEGIA, DISEASE WITH COMPLICATIONSHCC156CARDIOVASCULARADIONELEGIA, DISEASE WITH COMPLICATIONSHCC156CARDIOVASCULARCULMONARY EMBOLISM AND DEEP VEIN THROMBOSISHCC156CARDIOVASCULARCYSTIC FIBROSIS OF THE EXTEMITIES WITH ULCERATION OR GANGRENEHCC156CARDIOVASCULARCULMONARY EMBOLISM AND DEEP VEIN THROMBOSISHCC156CARDIOVASCULARCYSTIC FIBROSIS OF LUNG AND OTHER LUNG ING BRONCHIECTASISHCC160RESPIRATORYCHRONIC OBSTRUCTIVE PULMONARY DISEASE, INCLUDING BRONCHIECTASISHCC163RESPIRATORYC	UNSTABLE ANGINA AND OTHER ACUTE ISCHEMIC HEART DISEASE	HCC132	CARDIOVASCULAR
AJOR CONGENITAL HEART/CIRCULATORY DISORDERS HC138 CARDIOVASCULAR ATRIAL AND VENTRICULAR SEPTAL DEFECTS, PATENT DUCTUS ARTERIOSUS, AND OTHER CONGENITAL HEART/ CIRCULATORY DISORDERS (CARDIOVASCULAR SPECIFIED HEART ARRHYTHMIAS HC139 CARDIOVASCULAR NTRACRANIAL HEMORRHAGE HC145 CEREBROVASCULAR SCHEMIC OR UNSPECIFIED STROKE HC146 CEREBROVASCULAR SCHEMIC OR UNSPECIFIED STROKE HC146 CEREBROVASCULAR SCHEMIC OR UNSPECIFIED STROKE HC146 CEREBROVASCULAR HEMIPLEGIA/HEMIPARESIS HC146 CEREBROVASCULAR ADONOPLEGIA, OTHER PARALYTIC SYNDROMES HC150 NERVOUS ADONOPLEGIA, OTHER PARALYTIC SYNDROMES HC151 NERVOUS ADONOPLEGIA, OTHER PARALYTIC SYNDROMES HC153 CEREBROVASCULAR ASSCULAR DISEASE WITH COMPLICATIONS HC154 CEREBROVASCULAR ASSCULAR DISEASE WITH COMPLICATIONS HC155 CARDIOVASCULAR ADONOPLEGIS OF THE EXTREMITIES WITH ULCERATION OR GANGRENE HC155 CARDIOVASCULAR ADONOPLEGIS OF THE EXTREMITIES WITH ULCERATION OR GANGRENE HC156 CARDIOVASCULAR ADONOPLEGIS OF THE EXTREMITIES WITH ULCERATION OR GANGRENE HC156 CARDIOVASCULAR ADONOPLEGIS OF THE EXTREMITIES WITH ULCERATION OR GANGRENE HC156 CARDIOVASCULAR ADOULMONARY EMBOLISM AND DEEP VEIN THROMBOSIS HC156 CARDIOVASCULAR ADVIDIONARY EMBOLISM AND DEEP VEIN THROMBOSIS HC156 CARDIOVASCULAR ADVIDIONARY EMBOLISM AND DEEP VEIN THROMBOSIS HC156 RESPIRATORY ADVIDIO DISTRUCTIVE PULMONARY DISEASE, INCLUDING BRONCHIECTASIS HC156 RESPIRATORY HC157 THAN HC158 TRANSPLANT STATUS HC158 RESPIRATORY ASSTIC FIBROSIS OF LUNG AND OTHER LUNG DISORDERS HC156 RESPIRATORY ADVIDIONARY EMBOLISM AND DEEP VEIN THROMONIAS AND OTHER SEVERE LUNG INFECTIONS HC158 RESPIRATORY ADVIDIONARY EMBOLISASE, STAGE 5 HC158 RESPIRATORY ADVIDISTAGE RENAL DISEASE, STAGE 5 HC158 RENAL CHRONIC KIDNEY DISEASE, STAGE 5 HC158 RENAL CHRONIC KIDNEY DISEASE, SEVERE (STAGE 4) HC158 RENAL	HEART INFECTION/INFLAMMATION, EXCEPT RHEUMATIC	HCC135	CARDIOVASCULAR
TRIAL AND VENTRICULAR SEPTAL DEFECTS. PATENT DUCTUS ARTERIOSUS. AND OTHER CONGENITAL HEART/HCC139CARDIOVASCULARSIRCULATORY DISORDERSHCC142CARDIOVASCULARSEPECIFIED HEART ARRHYTHMIASHCC145CEREBROVASCULARNTRACRANIAL HEMORRHAGEHCC146CEREBROVASCULARSCHEMIC OR UNSPECIFIED STROKEHCC149CEREBROVASCULARSCHEMIC OR UNSPECIFIED STROKEHCC150NERVOUSAMONOPLEGIA, OTHER PARALYTIC SYNDROMESHCC151NERVOUSAMONOPLEGIA, OTHER PARALYTIC SYNDROMESHCC153CEREBROVASCULARAMONOPLEGIA, OTHER PARALYTIC SYNDROMESHCC154CEREBROVASCULARAMONOPLEGIA, OTHER PARALYTIC SYNDROMESHCC155CEREBROVASCULARAMONOPLEGIA, OTHER PARALYTIC SYNDROMESHCC154CEREBROVASCULARAMONOPLEGIA, OTHER PARALYTIC SYNDROMESHCC155CEREBROVASCULARAMONOPLEGIA, OTHER PARALYTIC SYNDROMESHCC154CEREBROVASCULARAMONOPLEGIA, OTHER PARALYTIC SYNDROMESHCC155CEREBROVASCULARAMONOPLEGIA, OTHER PARALYTIC SYNDROMESHCC155CEREBROVASCULARAMONOPLEGIA, OTHER PARALYTIC SYNDROMESHCC156CARDIOVASCULARAMONOPLEGIA, OTHER PARALYTIC SYNDROMESHCC155CEREBROVASCULARAMONOPLEGIA, OTHER PARALYTIC SYNDROMESHCC155CEREBROVASCULARAMONOPLEGIA, OTHER PARALYTIC SYNDROMESHCC155CEREBROVASCULARAMONOPLEGIA, OTHER SEVERE, INCLUDING BRONCHIECTASISHCC150RESPIRATORYHCR0IC OBSTRUCTIVE PULMONARY DISEASE, INCLUDING BRONCHIECTASISHCC160RESPIRATORYHEROSIS OF LUNG AND OTHER LUNG DI	HYPOPLASTIC LEFT HEART SYNDROME AND OTHER SEVERE CONGENITAL HEART DISORDERS	HCC137	CARDIOVASCULAR
CIRCULATORY DISORDERSHCCL39CARDIOVASCULARSPECIFIED HEART ARRHYTHMIASHCC142CARDIOVASCULARSPECIFIED HEART ARRHYTHMIASHCC145CEREBROVASCULARSCHEMIC OR UNSPECIFIED STROKEHCC146CEREBROVASCULARSCHEMIC OR UNSPECIFIED STROKEHCC149CEREBROVASCULARSCHEMIC OR UNSPECIFIED STROKEHCC149CEREBROVASCULARSCHEMIC OR UNSPECIFIED STROKEHCC150NERVOUSMONOPLEGIA, OTHER PARALYTIC SYNDROMESHCC151NERVOUSMONOPLEGIA, OTHER PARALYTIC SYNDROMESHCC153CEREBROVASCULARAGSCULAR DISEASE WITH COMPLICATIONSHCC154CEREBROVASCULARVULMONARY EMBOLISM AND DEEP VEIN THROMBOSISHCC156CARDIOVASCULARVULMONARY EMBOLISM AND DEEP VEIN THROMBOSISHCC150RESPIRATORYCHRONIC OBSTRUCTIVE PULMONARY DISEASE, INCLUDING BRONCHIECTASISHCC160RESPIRATORYCHRONIC OBSTRUCTIVE PULMONARY DISEASE, INCLUDING BRONCHIECTASISHCC161RESPIRATORYSIBROSIS OF LUNG AND OTHER LUNG DISORDERSHCC153CRESPIRATORYSIBROSIS OF LUNG AND OTHER LUNG DISORDERSHCC163RESPIRATORYSIBROSIS OF LUNG AND OTHER LUNG DISORDERSHCC163RESPIRATORYSIBROSIS OF LUNG AND DTHER LUNG DISORDERSHCC183TRANSPLANTSIBROSIS OF LUNG AND OTHER LUNG DISORDERSHCC184RENALCHRONIC KIDNEY DISEASE, STAGE 5HCC187RENALCHRONIC KIDNEY DISEASE, SEVERE (STAGE 4)HCC187RENALCHRONIC KIDNEY DISEASE, SEVERE (STAGE 4)HCC187RENALCHRONIC KIDNEY DISEASE, SEVERE (STA	MAJOR CONGENITAL HEART/CIRCULATORY DISORDERS	HCC138	CARDIOVASCULAR
NTRACRANIAL HEMORRHAGEHCC145CEREBROVASCULARSCHEMIC OR UNSPECIFIED STROKEHCC146CEREBROVASCULARSCHEMIC OR UNSPECIFIED STROKEHCC149CEREBROVASCULARSCREBRAL ANEURYSM AND ARTERIOVENOUS MALFORMATIONHCC149CEREBROVASCULARSEREBRAL ANEURYSM AND ARTERIOVENOUS MALFORMATIONHCC150NERVOUSADNOPLEGIA, OTHER PARALYTIC SYNDROMESHCC151NERVOUSADNOPLEGIA, OTHER PARALYTIC SYNDROMESHCC153CEREBROVASCULARADNOPLEGIA, OTHER PARALYTIC SYNDROMESHCC154CEREBROVASCULARADNOPLEGIA, OTHER PARALYTIC SYNDROMESHCC155CARDIOVASCULARADNOPLEGIA, OTHER PARALYTIC SYNDROMESHCC156CARDIOVASCULARADNOPLEGIA, OTHER PARALYTIC SYNDROMESHCC156CARDIOVASCULARADNARY EMBOLISM AND DEEP VEIN THROMBOSISHCC157RESPIRATORYADNO RANG PULMONARY DISEASE, INCLUDING BRONCHIECTASISHCC160RESPIRATORYAND AND SPECIFIED BACTERIAL PNEUMONIAS AND OTHER SEVERE LUNG INFECTIONSHCC163RESPIRATORYAND AND SPECIFIED BACTERIAL PNEUMONIAS AND OTHER SEVERE LUNG INFECTIONSHCC163RESPIRATORYAND AND SPECIFIED BACTERIAL PNEUMONIAS AND OTHER SEVERE LUNG INFECTIONSHCC163RESPIRATORYAND AND SPECIFIED BACTERIAL PNEUMONIAS AND OTHER SEVERE LUNG INFECTIONS<	ATRIAL AND VENTRICULAR SEPTAL DEFECTS, PATENT DUCTUS ARTERIOSUS, AND OTHER CONGENITAL HEART/ CIRCULATORY DISORDERS	HCC139	CARDIOVASCULAR
SCHEMIC OR UNSPECIFIED STROKE HCC146 CEREBROVASCULAR DEREBRAL ANEURYSM AND ARTERIOVENOUS MALFORMATION HCC140 CEREBROVASCULAR HEMIPLEGIA/HEMIPARESIS HCC150 NERVOUS MONOPLEGIA, OTHER PARALYTIC SYNDROMES HCC150 NERVOUS MONOPLEGIA, OTHER PARALYTIC SYNDROMES HCC151 NERVOUS ACTHEROSCLEROSIS OF THE EXTREMITIES WITH ULCERATION OR GANGRENE HCC153 CEREBROVASCULAR ASSCULAR DISEASE WITH COMPLICATIONS HCC160 CEREBROVASCULAR ASSCULAR DISEASE WITH COMPLICATIONS HCC165 CARDIOVASCULAR ULMONARY EMBOLISM AND DEEP VEIN THROMBOSIS ULMONARY EMBOLISM AND DEEP VEIN THROMBOSIS ULMONARY EMBOLISM AND DEEP VEIN THROMBOSIS CHRONIC OBSTRUCTIVE PULMONARY DISEASE, INCLUDING BRONCHIECTASIS CHRONIC AND SPECIFIED BACTERIAL PNEUMONIAS AND OTHER SEVERE LUNG INFECTIONS KIDNEY TRANSPLANT STATUS CHRONIC KIDNEY DISEASE, STAGE 5 HCC182 TRANSPLANT END STAGE RENAL DISEASE, STAGE 5 HCC184 RENAL CHRONIC KIDNEY DISEASE, SEVERE (STAGE 4) HCC185 RENAL	SPECIFIED HEART ARRHYTHMIAS	HCC142	CARDIOVASCULAR
CEREBRAL ANEURYSM AND ARTERIOVENOUS MALFORMATIONHCC149CEREBROVASCULARHEMIPLEGIA/HEMIPARESISHCC150NERVOUSMONOPLEGIA, OTHER PARALYTIC SYNDROMESHCC151NERVOUSMONOPLEGIA, OTHER PARALYTIC SYNDROMESHCC153CEREBROVASCULARMASCULAR DISEASE WITH COMPLICATIONSHCC154CEREBROVASCULARMASCULAR DISEASE WITH COMPLICATIONSHCC156CARDIOVASCULARPULMONARY EMBOLISM AND DEEP VEIN THROMBOSISHCC156CARDIOVASCULARPULMONARY EMBOLISM AND DEEP VEIN THROMBOSISHCC158TRANSPLANTPULMONARY EMBOLISM AND DEEP VEIN THROMBOSISHCC159RESPIRATORYPULMONIC OBSTRUCTIVE PULMONARY DISEASE, INCLUDING BRONCHIECTASISHCC160RESPIRATORYPUBROSIS OF LUNG AND OTHER LUNG DISORDERSHCC162RESPIRATORYASTIMAHCC162RESPIRATORYHSC163TRANSPLANTHIDSTAGE RENAL DISEASEHCC184RENALHCC184RENALEND STAGE RENAL DISEASE, STAGE 5HCC184RENALHCC187RENALHCC184RENALHCC186RENALHCC187RENALHCNIC KIDNEY DISEASE, SEVERE (STAGE 4)HCC184RENALHCC184RENAL	INTRACRANIAL HEMORRHAGE	HCC145	CEREBROVASCULAR
HemiPLEGIA/HEMIPARESISHCC150NERVOUSMONOPLEGIA, OTHER PARALYTIC SYNDROMESHCC151NERVOUSATHEROSCLEROSIS OF THE EXTREMITIES WITH ULCERATION OR GANGRENEHCC153CEREBROVASCULAR/ASCULAR DISEASE WITH COMPLICATIONSHCC154CEREBROVASCULAR/ASCULAR DISEASE WITH COMPLICATIONSHCC156CARDIOVASCULAR/PULMONARY EMBOLISM AND DEEP VEIN THROMBOSISHCC156CARDIOVASCULAR/LUNG TRANSPLANT STATUS/COMPLICATIONSHCC158TRANSPLANT/LUNG TRANSPLANT STATUS/COMPLICATIONSHCC159RESPIRATORY/LONG STRUCTIVE PULMONARY DISEASE, INCLUDING BRONCHIECTASISHCC160RESPIRATORY/LIBROSIS OF LUNG AND OTHER LUNG DISORDERSHCC162RESPIRATORY/LIBROSIS OF LUNG AND OTHER LUNG DISORDERSHCC163RESPIRATORY/LIDNEY TRANSPLANT STATUSHCC163TRANSPLANT/LIDNEY TRANSPLANT STATUSHCC183TRANSPLANT/LIDNEY TRANSPLANT STATUSHCC184RENAL/LIDNEY TRANSPLANT STATUSHCC187RENAL/LIDNEY TRANSPLANT STATUSHCC187RENAL/LIDNEY TRANSPLANT STATUSHCC187RENAL/LIDNEY TRANSPLANT STATUSHCC187RENAL/LIDNEY DISEASE, STAGE 5HCC186RENAL/LIDNEY DISEASE, SEVERE (STAGE 4)HCC187RENAL	ISCHEMIC OR UNSPECIFIED STROKE	HCC146	CEREBROVASCULAR
MONOPLEGIA, OTHER PARALYTIC SYNDROMES HCC151 NERVOUS ATHEROSCLEROSIS OF THE EXTREMITIES WITH ULCERATION OR GANGRENE HCC153 CEREBROVASCULAR ASSCULAR DISEASE WITH COMPLICATIONS HCC154 CEREBROVASCULAR VALONDARY EMBOLISM AND DEEP VEIN THROMBOSIS HCC156 CARDIOVASCULAR UNG TRANSPLANT STATUS/COMPLICATIONS HCC158 TRANSPLANT CYSTIC FIBROSIS HCC150 RESPIRATORY CHRONIC OBSTRUCTIVE PULMONARY DISEASE, INCLUDING BRONCHIECTASIS HCC160 RESPIRATORY ASTHMA HCC161 RESPIRATORY ASTIRATION AND SPECIFIED BACTERIAL PNEUMONIAS AND OTHER SEVERE LUNG INFECTIONS HCC162 RESPIRATORY KIDNEY TRANSPLANT STATUS HCC163 RESPIRATORY KIDNEY TRANSPLANT STATUS HCC164 RESPIRATORY KIDNEY TRANSPLANT STATUS HCC163 RESPIRATORY KIDNEY TRANSPLANT STATUS HCC164 RENAL END STAGE RENAL DISEASE, STAGE 5 HCC187 RENAL CHRONIC KIDNEY DISEASE, SEVERE (STAGE 4) HCC188 RENAL	CEREBRAL ANEURYSM AND ARTERIOVENOUS MALFORMATION	HCC149	CEREBROVASCULAR
ATHEROSCLEROSIS OF THE EXTREMITIES WITH ULCERATION OR GANGRENE HCC153 CEREBROVASCULAR ASCULAR DISEASE WITH COMPLICATIONS HCC156 CEREBROVASCULAR PULMONARY EMBOLISM AND DEEP VEIN THROMBOSIS HCC156 CARDIOVASCULAR UNG TRANSPLANT STATUS/COMPLICATIONS HCC158 TRANSPLANT CYSTIC FIBROSIS HCC159 RESPIRATORY CYSTIC FIBROSIS HCC159 RESPIRATORY CHRONIC OBSTRUCTIVE PULMONARY DISEASE, INCLUDING BRONCHIECTASIS HCC160 RESPIRATORY ASTHMA HCC161 RESPIRATORY FIBROSIS OF LUNG AND OTHER LUNG DISORDERS HCC162 RESPIRATORY ASPIRATION AND SPECIFIED BACTERIAL PNEUMONIAS AND OTHER SEVERE LUNG INFECTIONS HCC162 RESPIRATORY AND STAGE RENAL DISEASE, STAGE 5 HCC187 RENAL CHRONIC KIDNEY DISEASE, STAGE 5 HCC187 RENAL	HEMIPLEGIA/HEMIPARESIS	HCC150	NERVOUS
ASCULAR DISEASE WITH COMPLICATIONS HCC154 CEREBROVASCULAR HCC154 CEREBROVASCULAR LUNG TRANSPLANT STATUS/COMPLICATIONS HCC158 TRANSPLANT CYSTIC FIBROSIS HCC159 RESPIRATORY CYSTIC FIBROSIS HCC160 RESPIRATORY HCC160 RESPIRATORY HCC161 RESPIRATORY HCC161 RESPIRATORY HCC162 RESPIRATORY HCC163 RESPIRATORY HCC163 RESPIRATORY HCC163 RESPIRATORY HCC163 RESPIRATORY HCC163 RESPIRATORY HCC163 RESPIRATORY HCC164 RESPIRATORY HCC165 HCC165 RESPIRATORY HCC166 RESPIRATORY HCC166 RESPIRATORY HCC167 RESPIRATORY HCC168 RESPIRATORY HCC168 RESPIRATORY HCC169 RESPIRATORY HCC160 RE	MONOPLEGIA, OTHER PARALYTIC SYNDROMES	HCC151	NERVOUS
PULMONARY EMBOLISM AND DEEP VEIN THROMBOSIS HCC156 CARDIOVASCULAR LUNG TRANSPLANT STATUS/COMPLICATIONS HCC158 TRANSPLANT CYSTIC FIBROSIS HCC159 RESPIRATORY CYSTIC FIBROSIS OF LUNG AND OTHER UNGONGARY DISEASE, INCLUDING BRONCHIECTASIS HCC160 RESPIRATORY ASTHMA HCC161 RESPIRATORY FIBROSIS OF LUNG AND OTHER LUNG DISORDERS HCC162 RESPIRATORY ASPIRATION AND SPECIFIED BACTERIAL PNEUMONIAS AND OTHER SEVERE LUNG INFECTIONS HCC163 RESPIRATORY KIDNEY TRANSPLANT STATUS HCC183 TRANSPLANT AND STAGE RENAL DISEASE, STAGE 5 HCC184 RENAL CHRONIC KIDNEY DISEASE, STAGE 5 HCC184 RENAL	ATHEROSCLEROSIS OF THE EXTREMITIES WITH ULCERATION OR GANGRENE	HCC153	CEREBROVASCULAR
LUNG TRANSPLANT STATUS/COMPLICATIONSHCC158TRANSPLANTCUNG TRANSPLANT STATUS/COMPLICATIONSHCC159RESPIRATORYCUSTIC FIBROSISHCC159RESPIRATORYCHRONIC OBSTRUCTIVE PULMONARY DISEASE, INCLUDING BRONCHIECTASISHCC160RESPIRATORYCHRONIC OBSTRUCTIVE PULMONARY DISEASE, INCLUDING BRONCHIECTASISHCC160RESPIRATORYCHRONIC OBSTRUCTIVE PULMONARY DISEASE, INCLUDING BRONCHIECTASISHCC161RESPIRATORYCHRONIC OBSTRUCTIVE PULMONARY DISEASE, INCLUDING BRONCHIECTASISHCC162RESPIRATORYCHRONIC AND OTHER LUNG DISORDERSHCC162RESPIRATORYCHRONIC STAGE RENAL DISEASE, STAGE 5HCC183TRANSPLANTCHRONIC KIDNEY DISEASE, SEVERE (STAGE 4)HCC184RENALCHRONIC KIDNEY DISEASE, SEVERE (STAGE 4)HCC185RENAL	VASCULAR DISEASE WITH COMPLICATIONS	HCC154	CEREBROVASCULAR
CYSTIC FIBROSISHCC159RESPIRATORYCHRONIC OBSTRUCTIVE PULMONARY DISEASE, INCLUDING BRONCHIECTASISHCC160RESPIRATORYASTHMAHCC161RESPIRATORYFIBROSIS OF LUNG AND OTHER LUNG DISORDERSHCC162RESPIRATORYASPIRATION AND SPECIFIED BACTERIAL PNEUMONIAS AND OTHER SEVERE LUNG INFECTIONSHCC163RESPIRATORYKIDNEY TRANSPLANT STATUSHCC183TRANSPLANTEND STAGE RENAL DISEASE, STAGE 5HCC184RENALCHRONIC KIDNEY DISEASE, STAGE 5HCC187RENALCHRONIC KIDNEY DISEASE, SEVERE (STAGE 4)HCC188RENAL	PULMONARY EMBOLISM AND DEEP VEIN THROMBOSIS	HCC156	CARDIOVASCULAR
CHRONIC OBSTRUCTIVE PULMONARY DISEASE, INCLUDING BRONCHIECTASIS HCC160 RESPIRATORY ASTHMA HCC161 RESPIRATORY TIBROSIS OF LUNG AND OTHER LUNG DISORDERS HCC162 RESPIRATORY ASPIRATION AND SPECIFIED BACTERIAL PNEUMONIAS AND OTHER SEVERE LUNG INFECTIONS HCC163 RESPIRATORY KIDNEY TRANSPLANT STATUS HCC183 TRANSPLANT END STAGE RENAL DISEASE, STAGE 5 HCC187 RENAL CHRONIC KIDNEY DISEASE, SEVERE (STAGE 4) HCC188 RENAL	LUNG TRANSPLANT STATUS/COMPLICATIONS	HCC158	TRANSPLANT
ASTHMA HCC161 RESPIRATORY FIBROSIS OF LUNG AND OTHER LUNG DISORDERS HCC162 RESPIRATORY ASPIRATION AND SPECIFIED BACTERIAL PNEUMONIAS AND OTHER SEVERE LUNG INFECTIONS HCC163 RESPIRATORY KIDNEY TRANSPLANT STATUS HCC183 TRANSPLANT END STAGE RENAL DISEASE CHRONIC KIDNEY DISEASE, STAGE 5 HCC187 RENAL CHRONIC KIDNEY DISEASE, SEVERE (STAGE 4) HCC184 RENAL	CYSTIC FIBROSIS	HCC159	RESPIRATORY
FIBROSIS OF LUNG AND OTHER LUNG DISORDERSHCC162RESPIRATORYASPIRATION AND SPECIFIED BACTERIAL PNEUMONIAS AND OTHER SEVERE LUNG INFECTIONSHCC163RESPIRATORYKIDNEY TRANSPLANT STATUSHCC183TRANSPLANTEND STAGE RENAL DISEASEHCC184RENALCHRONIC KIDNEY DISEASE, STAGE 5HCC187RENALCHRONIC KIDNEY DISEASE, SEVERE (STAGE 4)HCC188RENAL	CHRONIC OBSTRUCTIVE PULMONARY DISEASE, INCLUDING BRONCHIECTASIS	HCC160	RESPIRATORY
ASPIRATION AND SPECIFIED BACTERIAL PNEUMONIAS AND OTHER SEVERE LUNG INFECTIONS HCC163 RESPIRATORY KIDNEY TRANSPLANT STATUS HCC183 TRANSPLANT END STAGE RENAL DISEASE CHRONIC KIDNEY DISEASE, STAGE 5 HCC187 RENAL CHRONIC KIDNEY DISEASE, SEVERE (STAGE 4) RENAL	ASTHMA	HCC161	RESPIRATORY
KIDNEY TRANSPLANT STATUSHCC183TRANSPLANTEND STAGE RENAL DISEASEHCC184RENALCHRONIC KIDNEY DISEASE, STAGE 5HCC187RENALCHRONIC KIDNEY DISEASE, SEVERE (STAGE 4)HCC188RENAL	FIBROSIS OF LUNG AND OTHER LUNG DISORDERS	HCC162	RESPIRATORY
END STAGE RENAL DISEASEHCC184RENALCHRONIC KIDNEY DISEASE, STAGE 5HCC187RENALCHRONIC KIDNEY DISEASE, SEVERE (STAGE 4)HCC188RENAL	ASPIRATION AND SPECIFIED BACTERIAL PNEUMONIAS AND OTHER SEVERE LUNG INFECTIONS	HCC163	RESPIRATORY
CHRONIC KIDNEY DISEASE, STAGE 5HCC187RENALCHRONIC KIDNEY DISEASE, SEVERE (STAGE 4)HCC188RENAL	KIDNEY TRANSPLANT STATUS	HCC183	TRANSPLANT
CHRONIC KIDNEY DISEASE, SEVERE (STAGE 4) HCC188 RENAL	END STAGE RENAL DISEASE	HCC184	RENAL
	CHRONIC KIDNEY DISEASE, STAGE 5	HCC187	RENAL
ECTOPIC AND MOLAR PREGNANCY, EXCEPT WITH RENAL FAILURE, SHOCK, OR EMBOLISM HCC203 PREGNANCY	CHRONIC KIDNEY DISEASE, SEVERE (STAGE 4)	HCC188	RENAL
	ECTOPIC AND MOLAR PREGNANCY, EXCEPT WITH RENAL FAILURE, SHOCK, OR EMBOLISM	HCC203	PREGNANCY

DESCRIPTION	HCC	CATEGORY
MISCARRIAGE WITH COMPLICATIONS	HCC204	PREGNANCY
MISCARRIAGE WITH NO OR MINOR COMPLICATIONS	HCC205	PREGNANCY
COMPLETED PREGNANCY WITH MAJOR COMPLICATIONS	HCC207	PREGNANCY
COMPLETED PREGNANCY WITH COMPLICATIONS	HCC208	PREGNANCY
COMPLETED PREGNANCY WITH NO OR MINOR COMPLICATIONS	HCC209	PREGNANCY
CHRONIC ULCER OF SKIN, EXCEPT PRESSURE	HCC217	NOT GROUPED
HIP FRACTURES AND PATHOLOGICAL VERTEBRAL OR HUMERUS FRACTURES	HCC226	MUSCULOSKELETAL
PATHOLOGICAL FRACTURES, EXCEPT OF VERTEBRAE, HIP, OR HUMERUS	HCC227	MUSCULOSKELETAL
EXTREMELY IMMATURE NEWBORNS, BIRTHWEIGHT < 500 GRAMS	HCC242	NOT GROUPED
EXTREMELY IMMATURE NEWBORNS, INCLUDING BIRTHWEIGHT 500-749 GRAMS	HCC243	NOT GROUPED
EXTREMELY IMMATURE NEWBORNS, INCLUDING BIRTHWEIGHT 750-999 GRAMS	HCC244	NOT GROUPED
PREMATURE NEWBORNS, INCLUDING BIRTHWEIGHT 1000-1499 GRAMS	HCC245	NOT GROUPED
PREMATURE NEWBORNS, INCLUDING BIRTHWEIGHT 1500-1999 GRAMS	HCC246	NOT GROUPED
PREMATURE NEWBORNS, INCLUDING BIRTHWEIGHT 2000-2499 GRAMS	HCC247	NOT GROUPED
OTHER PREMATURE, LOW BIRTHWEIGHT, MALNOURISHED, OR MULTIPLE BIRTH NEWBORNS	HCC248	NOT GROUPED
TERM OR POST-TERM SINGLETON NEWBORN, NORMAL OR HIGH BIRTHWEIGHT	HCC249	NOT GROUPED
STEM CELL, INCLUDING BONE MARROW, TRANSPLANT STATUS/COMPLICATIONS	HCC251	TRANSPLANT
ARTIFICIAL OPENINGS FOR FEEDING OR ELIMINATION	HCC253	DIGESTIVE
AMPUTATION STATUS, LOWER LIMB/AMPUTATION COMPLICATIONS	HCC254	MUSCULOSKELETAL