

DEPARTMENT OF HEALTH & HUMAN SERVICES
Centers for Medicare & Medicaid Services
7500 Security Boulevard
Baltimore, Maryland 21244-1850



**CENTER FOR MEDICARE
MEDICARE PLAN PAYMENT GROUP**

DATE: August 17, 2017

TO: All Medicare Advantage Organizations, PACE Organizations,
Medicare-Medicaid Plans, Section 1833 Cost Contractors and Section
1876 Cost Contractors, Demonstrations and Prescription Drug Plans
(PDPs)

FROM: Jennifer Harlow, Deputy Director
Medicare Plan Payment Group

SUBJECT: Changes to Payment Year (PY) 2016 Final Model Output Report (MOR)

CMS distributes the Model Output Report (MOR) to plans to identify the Hierarchical Condition Categories (HCCs) used to calculate risk scores for each beneficiary. This memo provides information regarding changes being made to the MOR for the 2016 final payment.

For PY 2016 (2015 dates of service), CMS will use a blended risk score, adding 10% of the risk score calculated based on HCCs from diagnoses filtered from encounter data and fee-for-service (FFS) claims with 90% of the risk score calculated based on HCCs from diagnoses submitted to the risk adjustment processing system (RAPS) and FFS claims. To assist plans in identifying HCCs from the RAPS and encounter data, the MORs have been revised to allow separate reporting of HCCs used in the RAPS-based scores and the encounter data-based scores.

To identify HCCs from encounter data used for risk score calculation, CMS created additional MOR record types. There is now a MOR record type that reports HCCs based on diagnoses from encounter data and FFS and a separate record type that reports HCCs based on diagnoses from the RAPS and FFS. Please note, for PY 2016, risk scores for PACE organizations continue to be calculated based on diagnoses from RAPS, encounter data, and FFS in equal measure with no weighting. Therefore, there are also separate record types specifically for PACE organizations that report HCCs from any of the three sources (RAPS, encounter data, and FFS).

The record types for 2016 Final are outlined as follows:

| 2016 Final Model Run Data Source | Model | Model Version | MOR Record Type |
|--|---|----------------------|------------------------|
| MORs for RAPS and FFS Based HCCs | ESRD and ESRD Post Graft | V21 | E |
| | CMS-HCC Aged/Disabled (non-PACE and non-ESRD) | V22 (PY 2014-2016) | C |
| | RxHCC | V05 (PY 2016) | 2 |
| MORs for Encounter Data and FFS Based HCCs | ESRD and ESRD Post Graft | V21 | G |
| | CMS-HCC Aged/Disabled (non-PACE and non-ESRD) | V22 (PY 2014-2016) | F |
| | RxHCC | V05 (PY 2016) | 4 |
| MORs for PACE Organizations (RAPS, FFS and Encounter Data) | PACE, PACE-ESRD and ESRD Post Graft | V21 | B |
| | RxHCC | V05 (PY 2016) | 5 |

The updated MOR layouts including these record types are attached below. Because the MOR layouts are the same for each record type that is reporting HCCs or RxHCCs for the same version of a model, CMS is providing only the different layouts, even though the report itself will provide each applicable record type for a beneficiary, with the unique data for each. For example, record types B, E, and G are all reporting HCCs in the ESRD and post graft model; therefore, the same MOR layout applies to all three record types. This is the same case for record types 2, 4, and 5, which report RxHCCs for the Part D model, as well as record types C and F, which report HCCs for the CMS-HCC aged/disabled model.

Questions related to this guidance should be submitted to riskadjustment@cms.hhs.gov. Please use “HPMS Memo – Changes to Payment Year (PY) 2016 Final Model Output Report (MOR)” as the subject in all communications regarding this guidance.

MOR LAYOUT FOR RECORD TYPES B, E, and G

RAS MOR CMS HCC Header Record

| # | Field Name | Length | Start Position | End Position | Format / Comments |
|---|------------------------|--------|----------------|--------------|--|
| 1 | Record Type Code | 001 | 001 | 001 | <ul style="list-style-type: none"> Alphanumeric Set to "1" for Header |
| 2 | Contract Number | 005 | 002 | 006 | <ul style="list-style-type: none"> Alphanumeric Unique identification for a Medicare Advantage Contract |
| 3 | Run Date | 008 | 007 | 014 | <ul style="list-style-type: none"> Alphanumeric Format as yyyyymmdd The run date when this file is created |
| 4 | Payment Year and Month | 006 | 015 | 020 | <ul style="list-style-type: none"> Alphanumeric Format as yyyyymm This identifies the risk adjustment payment year and month for the model run. |
| 5 | Filler | 180 | 021 | 200 | <ul style="list-style-type: none"> Alphanumeric Spaces |

RAS MOR CMS HCC Detail Record Type B, E and G

| # | Field Name | Length | Start Position | End Position | Format / Comments |
|---|------------------|--------|----------------|--------------|---|
| 1 | Record Type Code | 001 | 001 | 001 | Alphanumeric "B" = V21 PTC MOR (PACE and PACE-ESRD) (RAPS, FFS, and Encounter data) "E" = V21 PTC MOR (ESRD) (RAPS and FFS) "G" = V21 PTC MOR (ESRD) (Encounter and FFS) |

| # | Field Name | Length | Start Position | End Position | Format / Comments |
|---|--------------------------------------|--------|----------------|--------------|---|
| 2 | Health Insurance Claim Number (HICN) | 012 | 002 | 013 | Alphanumeric This is the Health Insurance Claim Number (known as HICN) identifying the primary Medicare Beneficiary under the SSA or RRB programs. The HICN, consisting of Beneficiary Claim Number along with the Beneficiary Identification Code, uniquely identifies a Medicare Beneficiary. For the RRB program, the claim account number is a 12-byte account number. |
| 3 | Beneficiary Last Name | 012 | 014 | 025 | Alphanumeric First 12 bytes of the Bene Last Name Beneficiary Last Name |
| 4 | Beneficiary First Name | 007 | 026 | 032 | Alphanumeric First 7 bytes of the beneficiary's First Name Beneficiary First Name |
| 5 | Beneficiary Initial | 001 | 033 | 033 | Alphanumeric 1-byte Initial Beneficiary Initial |
| 6 | Date of Birth | 008 | 034 | 041 | Alphanumeric Formatted as yyyymmdd The date of birth of the Medicare Beneficiary |
| 7 | Sex | 001 | 042 | 042 | Alphanumeric 0=unknown, 1=male, 2=female Represents the sex of the Medicare Beneficiary. Examples include Male and Female. |
| 8 | Social Security Number | 009 | 043 | 051 | Alphanumeric The beneficiary's current identification number that is assigned by the Social Security Administration |

| # | Field Name | Length | Start Position | End Position | Format / Comments |
|----|------------------------|--------|----------------|--------------|---|
| 9 | ESRD Indicator | 001 | 052 | 052 | Alphanumeric Y = ESRD N = not ESRD The beneficiary's ESRD status as of the model run. Also indicates if the beneficiary was processed by the ESRD models in the model run. |
| 10 | Age Group Female 0_34 | 001 | 053 | 053 | Alphanumeric Set to "1" if applicable, otherwise "0" The sex and age group for the beneficiary based on a given as of date: female between ages 0 and 34, inclusive |
| 11 | Age Group Female 35_44 | 001 | 054 | 054 | Alphanumeric Set to "1" if applicable, otherwise "0" The sex and age group for the beneficiary based on a given as of date: female between ages 35 and 44, inclusive |
| 12 | Age Group Female 45_54 | 001 | 055 | 055 | Alphanumeric Set to "1" if applicable, otherwise "0" The sex and age group for the beneficiary based on a given as of date: female between ages 45 and 54, inclusive |
| 13 | Age Group Female 55_59 | 001 | 056 | 056 | Alphanumeric Set to "1" if applicable, otherwise "0" The sex and age group for the beneficiary based on a given as of date: female between ages 55 and 59, inclusive |
| 14 | Age Group Female 60_64 | 001 | 057 | 057 | Alphanumeric Set to "1" if applicable, otherwise "0" The sex and age group for the beneficiary based on a given as of date: female between ages 60 and 64, inclusive |
| 15 | Age Group Female 65_69 | 001 | 058 | 058 | Alphanumeric Set to "1" if applicable, otherwise "0" The sex and age group for the beneficiary based on a given as of date: female between ages 65 and 69, inclusive |

| # | Field Name | Length | Start Position | End Position | Format / Comments |
|----|------------------------|--------|----------------|--------------|---|
| 16 | Age Group Female 70_74 | 001 | 059 | 059 | Alphanumeric Set to "1" if applicable, otherwise "0" The sex and age group for the beneficiary based on a given as of date: female between ages 70 and 74, inclusive |
| 17 | Age Group Female 75_79 | 001 | 060 | 060 | Alphanumeric Set to "1" if applicable, otherwise "0" The sex and age group for the beneficiary based on a given as of date: female between ages 75 and 79, inclusive |
| 18 | Age Group Female 80_84 | 001 | 061 | 061 | Alphanumeric Set to "1" if applicable, otherwise "0" The sex and age group for the beneficiary based on a given as of date: female between ages of 80 and 84, inclusive |
| 19 | Age Group Female 85_89 | 001 | 062 | 062 | Alphanumeric Set to "1" if applicable, otherwise "0" The sex and age group for the beneficiary based on a given as of date: female between ages of 85 and 89, inclusive |
| 20 | Age Group Female 90_94 | 001 | 063 | 063 | Alphanumeric Set to "1" if applicable, otherwise "0" The sex and age group for the beneficiary based on a given as of date: female between ages of 90 and 94, inclusive |
| 21 | Age Group Female 95_GT | 001 | 064 | 064 | Alphanumeric Set to "1" if applicable, otherwise "0" The sex and age group for the beneficiary based on a given as of date: female, age 95 or greater |
| 22 | Age Group Male 0_34 | 001 | 065 | 065 | Alphanumeric Set to "1" if applicable, otherwise "0" The sex and age group for the beneficiary based on a given as of date: male between ages of 0 and 34, inclusive |

| # | Field Name | Length | Start Position | End Position | Format / Comments |
|----|----------------------|--------|----------------|--------------|---|
| 23 | Age Group Male 35_44 | 001 | 066 | 066 | Alphanumeric Set to "1" if applicable, otherwise "0" The sex and age group for the beneficiary based on a given as of date: male between ages of 35 and 44, inclusive |
| 24 | Age Group Male 45_54 | 001 | 067 | 067 | Alphanumeric Set to "1" if applicable, otherwise "0" The sex and age group for the beneficiary based on a given as of date: male between ages of 45 and 54, inclusive |
| 25 | Age Group Male 55_59 | 001 | 068 | 068 | Alphanumeric Set to "1" if applicable, otherwise "0" The sex and age group for the beneficiary based on a given as of date: male between ages of 55 and 59, inclusive |
| 26 | Age Group Male 60_64 | 001 | 069 | 069 | Alphanumeric Set to "1" if applicable, otherwise "0" The sex and age group for the beneficiary based on a given as of date: male between ages of 60 and 64, inclusive |
| 27 | Age Group Male 65_69 | 001 | 070 | 070 | Alphanumeric Set to "1" if applicable, otherwise "0" The sex and age group for the beneficiary based on a given as of date: male between ages of 65 and 69, inclusive |
| 28 | Age Group Male 70_74 | 001 | 071 | 071 | Alphanumeric Set to "1" if applicable, otherwise "0" The sex and age group for the beneficiary based on a given as of date: male between ages of 70 and 74, inclusive |
| 29 | Age Group Male 75_79 | 001 | 072 | 072 | Alphanumeric Set to "1" if applicable, otherwise "0" The sex and age group for the beneficiary based on a given as of date: male between ages of 75 and 79, inclusive |

| # | Field Name | Length | Start Position | End Position | Format / Comments |
|----|--------------------------|--------|----------------|--------------|---|
| 30 | Age Group Male 80_84 | 001 | 073 | 073 | Alphanumeric Set to "1" if applicable, otherwise "0" The sex and age group for the beneficiary based on a given as of date: male between ages of 80 and 84, inclusive |
| 31 | Age Group Male 85_89 | 001 | 074 | 074 | Alphanumeric Set to "1" if applicable, otherwise "0" The sex and age group for the beneficiary based on a given as of date: male between ages of 85 and 89, inclusive |
| 32 | Age Group Male 90_94 | 001 | 075 | 075 | Alphanumeric Set to "1" if applicable, otherwise "0" The sex and age group for the beneficiary based on a given as of date: male between ages of 90 and 94, inclusive |
| 33 | Age Group Male 95_GT | 001 | 076 | 076 | Alphanumeric Set to "1" if applicable, otherwise "0" The sex and age group for the beneficiary based on a given as of date: male, age 95 or greater |
| 34 | Medicaid Female Disabled | 001 | 077 | 077 | Alphanumeric Set to "1" if applicable, otherwise "0" Beneficiary is a female disabled and also entitled to Medicaid. |
| 35 | Medicaid Female Aged | 001 | 078 | 078 | Alphanumeric Set to "1" if applicable, otherwise "0" Beneficiary is a female aged (> 64) and also entitled to Medicaid. |
| 36 | Medicaid Male Disabled | 001 | 079 | 079 | Alphanumeric Set to "1" if applicable, otherwise "0" Beneficiary is male disabled and also entitled to Medicaid. |
| 37 | Medicaid Male Aged | 001 | 080 | 080 | Alphanumeric Set to "1" if applicable, otherwise "0" Beneficiary is a male aged (> 64) and also entitled to Medicaid. |

| # | Field Name | Length | Start Position | End Position | Format / Comments |
|----|-----------------------------|--------|----------------|--------------|---|
| 38 | Originally Disabled Female | 001 | 081 | 081 | Alphanumeric Set to "1" if applicable, otherwise "0" Beneficiary is a female and original Medicare entitlement was due to disability. |
| 39 | Originally Disabled Male | 001 | 082 | 082 | Alphanumeric Set to "1" if applicable, otherwise "0" Beneficiary is a male and original Medicare entitlement was due to disability. |
| 40 | Disease Coefficients HCC001 | 001 | 083 | 083 | Alphanumeric Set to "1" if applicable, otherwise "0" HIV/AIDS |
| 41 | Disease Coefficients HCC002 | 001 | 084 | 084 | Alphanumeric Set to "1" if applicable, otherwise "0" Septicemia, Sepsis, Systemic Inflammatory Response Syndrome/Shock |
| 42 | Disease Coefficients HCC006 | 001 | 085 | 085 | Alphanumeric Set to "1" if applicable, otherwise "0" Opportunistic Infections |
| 43 | Disease Coefficients HCC008 | 001 | 086 | 086 | Alphanumeric Set to "1" if applicable, otherwise "0" Metastatic Cancer and Acute Leukemia |
| 44 | Disease Coefficients HCC009 | 001 | 087 | 087 | Alphanumeric Set to "1" if applicable, otherwise "0" Lung and Other Severe Cancers |
| 45 | Disease Coefficients HCC010 | 001 | 088 | 088 | Alphanumeric Set to "1" if applicable, otherwise "0" Lymphoma and Other Cancers |
| 46 | Disease Coefficients HCC011 | 001 | 089 | 089 | Alphanumeric Set to "1" if applicable, otherwise "0" Colorectal, Bladder, and Other Cancers |
| 47 | Disease Coefficients HCC012 | 001 | 090 | 090 | Alphanumeric Set to "1" if applicable, otherwise "0" Breast, Prostate, and Other Cancers and Tumors |

| # | Field Name | Length | Start Position | End Position | Format / Comments |
|----|-----------------------------|--------|----------------|--------------|--|
| 48 | Disease Coefficients HCC017 | 001 | 091 | 091 | Alphanumeric Set to "1" if applicable, otherwise "0" Diabetes with Acute Complications |
| 49 | Disease Coefficients HCC018 | 001 | 092 | 092 | Alphanumeric Set to "1" if applicable, otherwise "0" Diabetes with Chronic Complications |
| 50 | Disease Coefficients HCC019 | 001 | 093 | 093 | Alphanumeric Set to "1" if applicable, otherwise "0" Diabetes without Complication |
| 51 | Disease Coefficients HCC021 | 001 | 094 | 094 | Alphanumeric Set to "1" if applicable, otherwise "0" Protein-Calorie Malnutrition |
| 52 | Disease Coefficients HCC022 | 001 | 095 | 095 | Alphanumeric Set to "1" if applicable, otherwise "0" Morbid Obesity |
| 53 | Disease Coefficients HCC023 | 001 | 096 | 096 | Alphanumeric Set to "1" if applicable, otherwise "0" Other Significant Endocrine and Metabolic Disorders |
| 54 | Disease Coefficients HCC027 | 001 | 097 | 097 | Alphanumeric Set to "1" if applicable, otherwise "0" End-Stage Liver Disease |
| 55 | Disease Coefficients HCC028 | 001 | 098 | 098 | Alphanumeric Set to "1" if applicable, otherwise "0" Cirrhosis of Liver |
| 56 | Disease Coefficients HCC029 | 001 | 099 | 099 | Alphanumeric Set to "1" if applicable, otherwise "0" Chronic Hepatitis |
| 57 | Disease Coefficients HCC033 | 001 | 100 | 100 | Alphanumeric Set to "1" if applicable, otherwise "0" Intestinal Obstruction/Perforation |

| # | Field Name | Length | Start Position | End Position | Format / Comments |
|----|-----------------------------|--------|----------------|--------------|---|
| 58 | Disease Coefficients HCC034 | 001 | 101 | 101 | Alphanumeric Set to "1" if applicable, otherwise "0" Chronic Pancreatitis |
| 59 | Disease Coefficients HCC035 | 001 | 102 | 102 | Alphanumeric Set to "1" if applicable, otherwise "0" Inflammatory Bowel Disease |
| 60 | Disease Coefficients HCC039 | 001 | 103 | 103 | Alphanumeric Set to "1" if applicable, otherwise "0" Bone/Joint/Muscle Infections/Necrosis |
| 61 | Disease Coefficients HCC040 | 001 | 104 | 104 | Alphanumeric Set to "1" if applicable, otherwise "0" Rheumatoid Arthritis and Inflammatory Connective Tissue Disease |
| 62 | Disease Coefficients HCC046 | 001 | 105 | 105 | Alphanumeric Set to "1" if applicable, otherwise "0" Severe Hematological Disorders |
| 63 | Disease Coefficients HCC047 | 001 | 106 | 106 | Alphanumeric Set to "1" if applicable, otherwise "0" Disorders of Immunity |
| 64 | Disease Coefficients HCC048 | 001 | 107 | 107 | Alphanumeric Set to "1" if applicable, otherwise "0" Coagulation Defects and Other Specified Hematological Disorders |
| 65 | Disease Coefficients HCC051 | 001 | 108 | 108 | Alphanumeric Set to "1" if applicable, otherwise "0" Dementia with Complications |
| 66 | Disease Coefficients HCC052 | 001 | 109 | 109 | Alphanumeric Set to "1" if applicable, otherwise "0" Dementia without Complication |
| 67 | Disease Coefficients HCC054 | 001 | 110 | 110 | Alphanumeric Set to "1" if applicable, otherwise "0" Drug/Alcohol Psychosis |

| # | Field Name | Length | Start Position | End Position | Format / Comments |
|----|-----------------------------|--------|----------------|--------------|---|
| 68 | Disease Coefficients HCC055 | 001 | 111 | 111 | Alphanumeric Set to "1" if applicable, otherwise "0" Drug/Alcohol Dependence |
| 69 | Disease Coefficients HCC057 | 001 | 112 | 112 | Alphanumeric Set to "1" if applicable, otherwise "0" Schizophrenia |
| 70 | Disease Coefficients HCC058 | 001 | 113 | 113 | Alphanumeric Set to "1" if applicable, otherwise "0" Major Depressive, Bipolar, and Paranoid Disorders |
| 71 | Disease Coefficients HCC070 | 001 | 114 | 114 | Alphanumeric Set to "1" if applicable, otherwise "0" Quadriplegia |
| 72 | Disease Coefficients HCC071 | 001 | 115 | 115 | Alphanumeric Set to "1" if applicable, otherwise "0" Paraplegia |
| 73 | Disease Coefficients HCC072 | 001 | 116 | 116 | Alphanumeric Set to "1" if applicable, otherwise "0" Spinal Cord Disorders/Injuries |
| 74 | Disease Coefficients HCC073 | 001 | 117 | 117 | Alphanumeric Set to "1" if applicable, otherwise "0" Amyotrophic Lateral Sclerosis and Other Motor Neuron Disease |
| 75 | Disease Coefficients HCC074 | 001 | 118 | 118 | Alphanumeric Set to "1" if applicable, otherwise "0" Cerebral Palsy |
| 76 | Disease Coefficients HCC075 | 001 | 119 | 119 | Alphanumeric Set to "1" if applicable, otherwise "0" Polyneuropathy |
| 77 | Disease Coefficients HCC076 | 001 | 120 | 120 | Alphanumeric Set to "1" if applicable, otherwise "0" Muscular Dystrophy |

| # | Field Name | Length | Start Position | End Position | Format / Comments |
|----|-----------------------------|--------|----------------|--------------|---|
| 78 | Disease Coefficients HCC077 | 001 | 121 | 121 | Alphanumeric Set to "1" if applicable, otherwise "0" Multiple Sclerosis |
| 79 | Disease Coefficients HCC078 | 001 | 122 | 122 | Alphanumeric Set to "1" if applicable, otherwise "0" Parkinson's and Huntington's Diseases |
| 80 | Disease Coefficients HCC079 | 001 | 123 | 123 | Alphanumeric Set to "1" if applicable, otherwise "0" Seizure Disorders and Convulsions |
| 81 | Disease Coefficients HCC080 | 001 | 124 | 124 | Alphanumeric Set to "1" if applicable, otherwise "0" Coma, Brain Compression/Anoxic Damage |
| 82 | Disease Coefficients HCC082 | 001 | 125 | 125 | Alphanumeric Set to "1" if applicable, otherwise "0" Respirator Dependence/Tracheostomy Status |
| 83 | Disease Coefficients HCC083 | 001 | 126 | 126 | Alphanumeric Set to "1" if applicable, otherwise "0" Respiratory Arrest |
| 84 | Disease Coefficients HCC084 | 001 | 127 | 127 | Alphanumeric Set to "1" if applicable, otherwise "0" Cardio-Respiratory Failure and Shock |
| 85 | Disease Coefficients HCC085 | 001 | 128 | 128 | Alphanumeric Set to "1" if applicable, otherwise "0" Congestive Heart Failure |
| 86 | Disease Coefficients HCC086 | 001 | 129 | 129 | Alphanumeric Set to "1" if applicable, otherwise "0" Acute Myocardial Infarction |
| 87 | Disease Coefficients HCC087 | 001 | 130 | 130 | Alphanumeric Set to "1" if applicable, otherwise "0" Unstable Angina and Other Acute Ischemic Heart Disease |

| # | Field Name | Length | Start Position | End Position | Format / Comments |
|----|-----------------------------|--------|----------------|--------------|--|
| 88 | Disease Coefficients HCC088 | 001 | 131 | 131 | Alphanumeric Set to "1" if applicable, otherwise "0" Angina Pectoris |
| 89 | Disease Coefficients HCC096 | 001 | 132 | 132 | Alphanumeric Set to "1" if applicable, otherwise "0" Specified Heart Arrhythmias |
| 90 | Disease Coefficients HCC099 | 001 | 133 | 133 | Alphanumeric Set to "1" if applicable, otherwise "0" Cerebral Hemorrhage |
| 91 | Disease Coefficients HCC100 | 001 | 134 | 134 | Alphanumeric Set to "1" if applicable, otherwise "0" Ischemic or Unspecified Stroke |
| 92 | Disease Coefficients HCC103 | 001 | 135 | 135 | Alphanumeric Set to "1" if applicable, otherwise "0" Hemiplegia/Hemiparesis |
| 93 | Disease Coefficients HCC104 | 001 | 136 | 136 | Alphanumeric Set to "1" if applicable, otherwise "0" Monoplegia, Other Paralytic Syndromes |
| 94 | Disease Coefficients HCC106 | 001 | 137 | 137 | Alphanumeric Set to "1" if applicable, otherwise "0" Atherosclerosis of the Extremities with Ulceration or Gangrene |
| 95 | Disease Coefficients HCC107 | 001 | 138 | 138 | Alphanumeric Set to "1" if applicable, otherwise "0" Vascular Disease with Complications |
| 96 | Disease Coefficients HCC108 | 001 | 139 | 139 | Alphanumeric Set to "1" if applicable, otherwise "0" Vascular Disease |
| 97 | Disease Coefficients HCC110 | 001 | 140 | 140 | Alphanumeric Set to "1" if applicable, otherwise "0" Cystic Fibrosis |

| # | Field Name | Length | Start Position | End Position | Format / Comments |
|-----|-----------------------------|--------|----------------|--------------|---|
| 98 | Disease Coefficients HCC111 | 001 | 141 | 141 | Alphanumeric Set to "1" if applicable, otherwise "0" Chronic Obstructive Pulmonary Disease |
| 99 | Disease Coefficients HCC112 | 001 | 142 | 142 | Alphanumeric Set to "1" if applicable, otherwise "0" Fibrosis of Lung and Other Chronic Lung Disorders |
| 100 | Disease Coefficients HCC114 | 001 | 143 | 143 | Alphanumeric Set to "1" if applicable, otherwise "0" Aspiration and Specified Bacterial Pneumonias |
| 101 | Disease Coefficients HCC115 | 001 | 144 | 144 | Alphanumeric Set to "1" if applicable, otherwise "0" Pneumococcal Pneumonia, Emphysema, Lung Abscess |
| 102 | Disease Coefficients HCC122 | 001 | 145 | 145 | Alphanumeric Set to "1" if applicable, otherwise "0" Proliferative Diabetic Retinopathy and Vitreous Hemorrhage |
| 103 | Disease Coefficients HCC124 | 001 | 146 | 146 | Alphanumeric Set to "1" if applicable, otherwise "0" Exudative Macular Degeneration |
| 104 | Disease Coefficients HCC134 | 001 | 147 | 147 | Alphanumeric Set to "1" if applicable, otherwise "0" Dialysis Status |
| 105 | Disease Coefficients HCC135 | 001 | 148 | 148 | Alphanumeric Set to "1" if applicable, otherwise "0" Acute Renal Failure |
| 106 | Disease Coefficients HCC136 | 001 | 149 | 149 | Alphanumeric Set to "1" if applicable, otherwise "0" Chronic Kidney Disease, Stage 5 |
| 107 | Disease Coefficients HCC137 | 001 | 150 | 150 | Alphanumeric Set to "1" if applicable, otherwise "0" Chronic Kidney Disease, Severe (Stage 4) |

| # | Field Name | Length | Start Position | End Position | Format / Comments |
|-----|-----------------------------|--------|----------------|--------------|--|
| 108 | Disease Coefficients HCC138 | 001 | 151 | 151 | Alphanumeric Set to "1" if applicable, otherwise "0" Chronic Kidney Disease, Moderate (Stage 3) |
| 109 | Disease Coefficients HCC139 | 001 | 152 | 152 | Alphanumeric Set to "1" if applicable, otherwise "0" Chronic Kidney Disease, Mild or Unspecified (Stages 1-2 or Unspecified) |
| 110 | Disease Coefficients HCC140 | 001 | 153 | 153 | Alphanumeric Set to "1" if applicable, otherwise "0" Unspecified Renal Failure |
| 111 | Disease Coefficients HCC141 | 001 | 154 | 154 | Alphanumeric Set to "1" if applicable, otherwise "0" Nephritis |
| 112 | Disease Coefficients HCC157 | 001 | 155 | 155 | Alphanumeric Set to "1" if applicable, otherwise "0" Pressure Ulcer of Skin with Necrosis Through to Muscle, Tendon, or Bone |
| 113 | Disease Coefficients HCC158 | 001 | 156 | 156 | Alphanumeric Set to "1" if applicable, otherwise "0" Pressure Ulcer of Skin with Full Thickness Skin Loss |
| 114 | Disease Coefficients HCC159 | 001 | 157 | 157 | Alphanumeric Set to "1" if applicable, otherwise "0" Pressure Ulcer of Skin with Partial Thickness Skin Loss |
| 115 | Disease Coefficients HCC160 | 001 | 158 | 158 | Alphanumeric Set to "1" if applicable, otherwise "0" Pressure Pre-Ulcer Skin Changes or Unspecified Stage |
| 116 | Disease Coefficients HCC161 | 001 | 159 | 159 | Alphanumeric Set to "1" if applicable, otherwise "0" Chronic Ulcer of Skin, Except Pressure |

| # | Field Name | Length | Start Position | End Position | Format / Comments |
|-----|-----------------------------|--------|----------------|--------------|---|
| 117 | Disease Coefficients HCC162 | 001 | 160 | 160 | Alphanumeric Set to "1" if applicable, otherwise "0" Severe Skin Burn or Condition |
| 118 | Disease Coefficients HCC166 | 001 | 161 | 161 | Alphanumeric Set to "1" if applicable, otherwise "0" Severe Head Injury |
| 119 | Disease Coefficients HCC167 | 001 | 162 | 162 | Alphanumeric Set to "1" if applicable, otherwise "0" Major Head Injury |
| 120 | Disease Coefficients HCC169 | 001 | 163 | 163 | Alphanumeric Set to "1" if applicable, otherwise "0" Vertebral Fractures without Spinal Cord Injury |
| 121 | Disease Coefficients HCC170 | 001 | 164 | 164 | Alphanumeric Set to "1" if applicable, otherwise "0" Hip Fracture/Dislocation |
| 122 | Disease Coefficients HCC173 | 001 | 165 | 165 | Alphanumeric Set to "1" if applicable, otherwise "0" Traumatic Amputations and Complications |
| 123 | Disease Coefficients HCC176 | 001 | 166 | 166 | Alphanumeric Set to "1" if applicable, otherwise "0" Complications of Specified Implanted Device or Graft |
| 124 | Disease Coefficients HCC186 | 001 | 167 | 167 | Alphanumeric Set to "1" if applicable, otherwise "0" Major Organ Transplant or Replacement Status |
| 125 | Disease Coefficients HCC188 | 001 | 168 | 168 | Alphanumeric Set to "1" if applicable, otherwise "0" Artificial Openings for Feeding or Elimination |

| # | Field Name | Length | Start Position | End Position | Format / Comments |
|-----|-----------------------------|--------|----------------|--------------|---|
| 126 | Disease Coefficients HCC189 | 001 | 169 | 169 | Alphanumeric Set to "1" if applicable, otherwise "0" Amputation Status, Lower Limb/Amputation Complications |
| 127 | Disabled Disease HCC006 | 001 | 170 | 170 | Alphanumeric Set to "1" if applicable, otherwise "0" Disabled (Age<65) and CMS V21 HCC 006 Opportunistic Infections |
| 128 | Disabled Disease HCC034 | 001 | 171 | 171 | Alphanumeric Set to "1" if applicable, otherwise "0" Disabled (Age<65) and CMS V21 HCC 034 Chronic Pancreatitis |
| 129 | Disabled Disease HCC046 | 001 | 172 | 172 | Alphanumeric Set to "1" if applicable, otherwise "0" Disabled (Age<65) and CMS V21 HCC 046 Severe Hematological Disorders |
| 130 | Disabled Disease HCC054 | 001 | 173 | 173 | Alphanumeric Set to "1" if applicable, otherwise "0" Disabled (Age<65) and CMS V21 HCC 054 Drug/Alcohol Psychosis |
| 131 | Disabled Disease HCC055 | 001 | 174 | 174 | Alphanumeric Set to "1" if applicable, otherwise "0" Disabled (Age<65) and CMS V21 HCC 055 Drug/Alcohol Dependence |
| 132 | Disabled Disease HCC110 | 001 | 175 | 175 | Alphanumeric Set to "1" if applicable, otherwise "0" Disabled (Age<65) and CMS V21 HCC 110 Cystic Fibrosis |
| 133 | Disabled Disease HCC176 | 001 | 176 | 176 | Alphanumeric Set to "1" if applicable, otherwise "0" Disabled (Age<65) and CMS V21 HCC 176 Complications of Specified Implanted Device or Graft |

| # | Field Name | Length | Start Position | End Position | Format / Comments |
|-----|---|--------|----------------|--------------|--|
| 134 | Disease Interactions – CANCER_IMMUNE | 001 | 177 | 177 | Alphanumeric Set to “1” if applicable, otherwise "0" CANCER_IMMUNE |
| 135 | Disease Interactions – CHF_COPD | 001 | 178 | 178 | Alphanumeric Set to “1” if applicable, otherwise "0" CHF_COPD |
| 136 | Disease Interactions – CHF_RENAL | 001 | 179 | 179 | Alphanumeric Set to “1” if applicable, otherwise "0" CHF_RENAL |
| 137 | Disease Interactions - COPD_CARD_RESP_FAIL | 001 | 180 | 180 | Alphanumeric Set to “1” if applicable, otherwise "0" COPD_CARD_RESP_FAIL |
| 138 | Disease Interactions – DIABETES_CHF | 001 | 181 | 181 | Alphanumeric Set to “1” if applicable, otherwise "0" DIABETES_CHF |
| 139 | Disease Interactions - SEPSIS_CARD_RESP_FAIL | 001 | 182 | 182 | Alphanumeric Set to “1” if applicable, otherwise "0" SEPSIS_CARD_RESP_FAIL |
| 140 | Medicaid | 001 | 183 | 183 | Alphanumeric Set to “1” if applicable, otherwise "0" Beneficiary is entitled to Medicaid |
| 141 | Originally Disabled | 001 | 184 | 184 | Alphanumeric Set to “1” if applicable, otherwise "0" Beneficiary original Medicare entitlement was due to disability |
| 142 | Disabled Disease HCC039 | 001 | 185 | 185 | Alphanumeric Set to “1” if applicable, otherwise "0" Disabled (Age<65) and CMS V21 HCC 039 Bone/Joint/Muscle Infections/Necrosis |
| 143 | Disabled Disease HCC077 | 001 | 186 | 186 | Alphanumeric Set to “1” if applicable, otherwise "0" Disabled (Age<65) and CMS V21 HCC 077 Multiple Sclerosis |

| # | Field Name | Length | Start Position | End Position | Format / Comments |
|-----|--|--------|----------------|--------------|---|
| 144 | Disabled Disease HCC085 | 001 | 187 | 187 | Alphanumeric Set to "1" if applicable, otherwise "0" Disabled (Age<65) and CMS V21 HCC 085 Congestive Heart Failure |
| 145 | Disabled Disease HCC161 | 001 | 188 | 188 | Alphanumeric Set to "1" if applicable, otherwise "0" Disabled (Age<65) and CMS V21 HCC 161 Chronic Ulcer of Skin, Except Pressure |
| 146 | Disease Interactions - ART_OPENINGS_PRESSURE_ULCER | 001 | 189 | 189 | Alphanumeric Set to "1" if applicable, otherwise "0" ART_OPENINGS_PRESSURE_ULCER |
| 147 | Disease Interactions - ASP_SPEC_BACT_PNEUM_PRES_ULC | 001 | 190 | 190 | Alphanumeric Set to "1" if applicable, otherwise "0" ASP_SPEC_BACT_PNEUM_PRES_ULC |
| 148 | Disease Interactions - COPD_ASP_SPEC_BACT_PNEUM | 001 | 191 | 191 | Alphanumeric Set to "1" if applicable, otherwise "0" COPD_ASP_SPEC_BACT_PNEUM |
| 149 | Disease Interactions – DISABLED_PRESSURE_ULCER | 001 | 192 | 192 | Alphanumeric Set to "1" if applicable, otherwise "0" DISABLED_PRESSURE_ULCER |
| 150 | Disease Interactions – SCHIZOPHRENIA_CHF | 001 | 193 | 193 | Alphanumeric Set to "1" if applicable, otherwise "0" SCHIZOPHRENIA_CHF |
| 151 | Disease Interactions – SCHIZOPHRENIA_COPD | 001 | 194 | 194 | Alphanumeric Set to "1" if applicable, otherwise "0" SCHIZOPHRENIA_COPD |
| 152 | Disease Interactions – SCHIZOPHRENIA_SEIZURES | 001 | 195 | 195 | Alphanumeric Set to "1" if applicable, otherwise "0" SCHIZOPHRENIA_SEIZURES |
| 153 | Disease Interactions – SEPSIS_ARTIF_OPENINGS | 001 | 196 | 196 | Alphanumeric Set to "1" if applicable, otherwise "0" SEPSIS_ARTIF_OPENINGS |

| # | Field Name | Length | Start Position | End Position | Format / Comments |
|-----|--|--------|----------------|--------------|---|
| 154 | Disease Interactions – SEPSIS_ASP_SPEC_BACT_PNEUM | 001 | 197 | 197 | Alphanumeric Set to “1” if applicable, otherwise "0" SEPSIS_ASP_SPEC_BACT_PNEUM |
| 155 | Disease Interactions – SEPSIS_PRESSURE_ULCER | 001 | 198 | 198 | Alphanumeric Set to “1” if applicable, otherwise "0" SEPSIS_PRESSURE_ULCER |
| 156 | Filler | 002 | 199 | 200 | Alphanumeric Spaces Filler |

Total Length = 200.

NOTE: Fields 140-155 are associated with the CMS HCC V21 Institutional Score only.

RAS MOR CMS HCC Trailer Record

| # | Field Name | Length | Start Position | End Position | Format / Comments |
|---|--------------------|--------|----------------|--------------|---|
| 1 | Record Type Code | 001 | 001 | 001 | <ul style="list-style-type: none"> Alphanumeric Set to "3" for Trailer |
| 2 | Contract Number | 005 | 002 | 006 | <ul style="list-style-type: none"> Alphanumeric Also known as MCO plan number Unique identification for a Managed Care Organization (MCO) enabling the MCO to provide coverage to eligible beneficiaries |
| 3 | Total Record Count | 009 | 007 | 015 | <ul style="list-style-type: none"> Alphanumeric Includes all header and trailer records |
| 4 | Filler | 185 | 016 | 200 | <ul style="list-style-type: none"> Alphanumeric Spaces |

MOR LAYOUT FOR RECORD TYPES C and F

RAS MOR CMS HCC Header Record (Payment Year 2016)

| # | Field Name | Length | Start Position | End Position | Format / Comments |
|---|------------------------|--------|----------------|--------------|--|
| 1 | Record Type Code | 001 | 001 | 001 | <ul style="list-style-type: none"> Alphanumeric Set to "1" for Header |
| 2 | Contract Number | 005 | 002 | 006 | <ul style="list-style-type: none"> Alphanumeric Unique identification for a Medicare Advantage Contract |
| 3 | Run Date | 008 | 007 | 014 | <ul style="list-style-type: none"> Alphanumeric Format as yyymmdd The run date when this file is created |
| 4 | Payment Year and Month | 006 | 015 | 020 | <ul style="list-style-type: none"> Alphanumeric Format as yyymm This identifies the risk adjustment payment year and month for the model run. |
| 5 | Filler | 180 | 021 | 200 | <ul style="list-style-type: none"> Alphanumeric Spaces |

RAS MOR CMS HCC Detail Record Type C and F (Payment Year 2016)

| # | Field Name | Length | Start Position | End Position | Format / Comments |
|---|--------------------------------------|--------|----------------|--------------|--|
| 1 | Record Type Code | 001 | 001 | 001 | <ul style="list-style-type: none"> Alphanumeric "C" = V22 PTC MOR (RAPS and FFS) - non-PACE and non-ESRD "F" = V22 PTC MOR (Encounter Data and FFS) - non-PACE and non-ESRD |
| 2 | Health Insurance Claim Number (HICN) | 012 | 002 | 013 | <ul style="list-style-type: none"> Alphanumeric This is the Health Insurance Claim Number (known as HICN) identifying the primary Medicare Beneficiary under the SSA or RRB programs. The HICN consist of Beneficiary Claim Number along with the |

| # | Field Name | Length | Start Position | End Position | Format / Comments |
|----|------------------------|--------|----------------|--------------|--|
| | | | | | Beneficiary Identification Code uniquely identifies a Medicare Beneficiary. <ul style="list-style-type: none"> For the RRB program, the claim account number is a 12-byte account number. |
| 3 | Beneficiary Last Name | 012 | 014 | 025 | <ul style="list-style-type: none"> Alphanumeric First 12 bytes of the Bene Last Name Beneficiary Last Name |
| 4 | Beneficiary First Name | 007 | 026 | 032 | <ul style="list-style-type: none"> Alphanumeric First 7 bytes of the bene First Name Beneficiary First Name |
| 5 | Beneficiary Initial | 001 | 033 | 033 | <ul style="list-style-type: none"> Alphanumeric 1-byte Initial Beneficiary Initial |
| 6 | Date of Birth | 008 | 034 | 041 | <ul style="list-style-type: none"> Alphanumeric Formatted as yyymmdd The date of birth of the Medicare Beneficiary |
| 7 | Sex | 001 | 042 | 042 | <ul style="list-style-type: none"> Alphanumeric 0=unknown, 1=male, 2=female Represents the sex of the Medicare Beneficiary. Examples include Male and Female. |
| 8 | Social Security Number | 009 | 043 | 051 | <ul style="list-style-type: none"> Alphanumeric The beneficiary's current identification number that is assigned by the Social Security Administration. |
| 9 | Age Group Female 0_34 | 001 | 052 | 052 | <ul style="list-style-type: none"> Alphanumeric Set to "1" if applicable, otherwise "0" The sex and age group for the beneficiary based on a given as of date. Female between ages 0 and 34, inclusive. |
| 10 | Age Group Female 35_44 | 001 | 053 | 053 | <ul style="list-style-type: none"> Alphanumeric Set to "1" if applicable, otherwise "0" The sex and age group for the beneficiary based on a given as of date. |

| # | Field Name | Length | Start Position | End Position | Format / Comments |
|----|------------------------|--------|----------------|--------------|---|
| | | | | | Female between ages 35 and 44, inclusive. |
| 11 | Age Group Female 45_54 | 001 | 054 | 054 | <ul style="list-style-type: none"> Alphanumeric Set to "1" if applicable, otherwise "0" The sex and age group for the beneficiary based on a given as of date. Female between ages 45 and 54, inclusive. |
| 12 | Age Group Female 55_59 | 001 | 055 | 055 | <ul style="list-style-type: none"> Alphanumeric Set to "1" if applicable, otherwise "0" The sex and age group for the beneficiary based on a given as of date. Female between ages 55 and 59, inclusive. |
| 13 | Age Group Female 60_64 | 001 | 056 | 056 | <ul style="list-style-type: none"> Alphanumeric Set to "1" if applicable, otherwise "0" The sex and age group for the beneficiary based on a given as of date. Female between ages 60 and 64, inclusive. |
| 14 | Age Group Female 65_69 | 001 | 057 | 057 | <ul style="list-style-type: none"> Alphanumeric Set to "1" if applicable, otherwise "0" The sex and age group for the beneficiary based on a given as of date. Female between ages 65 and 69, inclusive. |
| 15 | Age Group Female 70_74 | 001 | 058 | 058 | <ul style="list-style-type: none"> Alphanumeric Set to "1" if applicable, otherwise "0" The sex and age group for the beneficiary based on a given as of date. Female between ages 70 and 74, inclusive. |
| 16 | Age Group Female 75_79 | 001 | 059 | 059 | <ul style="list-style-type: none"> Alphanumeric Set to "1" if applicable, otherwise "0" The sex and age group for the beneficiary based on a given as of date. Female between ages 75 and 79, inclusive. |
| 17 | Age Group Female 80_84 | 001 | 060 | 060 | <ul style="list-style-type: none"> Alphanumeric Set to "1" if applicable, otherwise "0" |

| # | Field Name | Length | Start Position | End Position | Format / Comments |
|----|------------------------|--------|----------------|--------------|--|
| | | | | | <ul style="list-style-type: none"> The sex and age group for the beneficiary based on a given as of date. Female between ages of 80 and 84, inclusive. |
| 18 | Age Group Female 85_89 | 001 | 061 | 061 | <ul style="list-style-type: none"> Alphanumeric Set to "1" if applicable, otherwise "0" The sex and age group for the beneficiary based on a given as of date. Female between ages of 85 and 89, inclusive. |
| 19 | Age Group Female 90_94 | 001 | 062 | 062 | <ul style="list-style-type: none"> Alphanumeric Set to "1" if applicable, otherwise "0" The sex and age group for the beneficiary based on a given as of date. Female between ages of 90 and 94, inclusive. |
| 20 | Age Group Female 95_GT | 001 | 063 | 063 | <ul style="list-style-type: none"> Alphanumeric Set to "1" if applicable, otherwise "0" The sex and age group for the beneficiary based on a given as of date. Female, age 95 or greater. |
| 21 | Age Group Male 0_34 | 001 | 064 | 064 | <ul style="list-style-type: none"> Alphanumeric Set to "1" if applicable, otherwise "0" The sex and age group for the beneficiary based on a given as of date. Male between ages of 0 and 34, inclusive. |
| 22 | Age Group Male 35_44 | 001 | 065 | 065 | <ul style="list-style-type: none"> Alphanumeric Set to "1" if applicable, otherwise "0" The sex and age group for the beneficiary based on a given as of date. Male between ages of 35 and 44, inclusive. |
| 23 | Age Group Male 45_54 | 001 | 066 | 066 | <ul style="list-style-type: none"> Alphanumeric Set to "1" if applicable, otherwise "0" The sex and age group for the beneficiary based on a given as of date. Male between ages of 45 and 54, inclusive. |
| 24 | Age Group Male 55_59 | 001 | 067 | 067 | <ul style="list-style-type: none"> Alphanumeric Set to "1" if applicable, otherwise "0" |

| # | Field Name | Length | Start Position | End Position | Format / Comments |
|----|----------------------|--------|----------------|--------------|--|
| | | | | | <ul style="list-style-type: none"> The sex and age group for the beneficiary based on a given as of date. Male between ages of 55 and 59, inclusive. |
| 25 | Age Group Male 60_64 | 001 | 068 | 068 | <ul style="list-style-type: none"> Alphanumeric Set to "1" if applicable, otherwise "0" The sex and age group for the beneficiary based on a given as of date. Male between ages of 60 and 64, inclusive. |
| 26 | Age Group Male 65_69 | 001 | 069 | 069 | <ul style="list-style-type: none"> Alphanumeric Set to "1" if applicable, otherwise "0" The sex and age group for the beneficiary based on a given as of date. Male between ages of 65 and 69, inclusive. |
| 27 | Age Group Male 70_74 | 001 | 070 | 070 | <ul style="list-style-type: none"> Alphanumeric Set to "1" if applicable, otherwise "0" The sex and age group for the beneficiary based on a given as of date. Male between ages of 70 and 74, inclusive. |
| 28 | Age Group Male 75_79 | 001 | 071 | 071 | <ul style="list-style-type: none"> Alphanumeric Set to "1" if applicable, otherwise "0" The sex and age group for the beneficiary based on a given as of date. Male between ages of 75 and 79, inclusive. |
| 29 | Age Group Male 80_84 | 001 | 072 | 072 | <ul style="list-style-type: none"> Alphanumeric Set to "1" if applicable, otherwise "0" The sex and age group for the beneficiary based on a given as of date. Male between ages of 80 and 84, inclusive. |
| 30 | Age Group Male 85_89 | 001 | 073 | 073 | <ul style="list-style-type: none"> Alphanumeric Set to "1" if applicable, otherwise "0" The sex and age group for the beneficiary based on a given as of date. Male between ages of 85 and 89, inclusive. |

| # | Field Name | Length | Start Position | End Position | Format / Comments |
|----|----------------------------|--------|----------------|--------------|--|
| 31 | Age Group Male 90_94 | 001 | 074 | 074 | <ul style="list-style-type: none"> Alphanumeric Set to "1" if applicable, otherwise "0" The sex and age group for the beneficiary based on a given as of date. Male between ages of 90 and 94, inclusive. |
| 32 | Age Group Male 95_GT | 001 | 075 | 075 | <ul style="list-style-type: none"> Alphanumeric Set to "1" if applicable, otherwise "0" The sex and age group for the beneficiary based on a given as of date. Male, age 95 or greater. |
| 33 | Medicaid Female Disabled | 001 | 076 | 076 | <ul style="list-style-type: none"> Alphanumeric Set to "1" if applicable, otherwise "0" Beneficiary is a female disabled and also entitled to Medicaid. |
| 34 | Medicaid Female Aged | 001 | 077 | 077 | <ul style="list-style-type: none"> Alphanumeric Set to "1" if applicable, otherwise "0" Beneficiary is a female aged (> 64) and also entitled to Medicaid. |
| 35 | Medicaid Male Disabled | 001 | 078 | 078 | <ul style="list-style-type: none"> Alphanumeric Set to "1" if applicable, otherwise "0" Beneficiary is male disabled and also entitled to Medicaid. |
| 36 | Medicaid Male Aged | 001 | 079 | 079 | <ul style="list-style-type: none"> Alphanumeric Set to "1" if applicable, otherwise "0" Beneficiary is a male aged (> 64) and also entitled to Medicaid. |
| 37 | Originally Disabled Female | 001 | 080 | 080 | <ul style="list-style-type: none"> Alphanumeric Set to "1" if applicable, otherwise "0" Beneficiary is a female and original Medicare entitlement was due to disability. |
| 38 | Originally Disabled Male | 001 | 081 | 081 | <ul style="list-style-type: none"> Alphanumeric Set to "1" if applicable, otherwise "0" Beneficiary is a male and original Medicare entitlement was due to disability. |

| # | Field Name | Length | Start Position | End Position | Format / Comments |
|----|-----------------------------|--------|----------------|--------------|--|
| 39 | Disease Coefficients HCC001 | 001 | 082 | 082 | <ul style="list-style-type: none"> Alphanumeric Set to "1" if applicable, otherwise "0" HIV/AIDS |
| 40 | Disease Coefficients HCC002 | 001 | 083 | 083 | <ul style="list-style-type: none"> Alphanumeric Set to "1" if applicable, otherwise "0" Septicemia, Sepsis, Systemic Inflammatory Response Syndrome/Shock |
| 41 | Disease Coefficients HCC006 | 001 | 084 | 084 | <ul style="list-style-type: none"> Alphanumeric Set to "1" if applicable, otherwise "0" Opportunistic Infections |
| 42 | Disease Coefficients HCC008 | 001 | 085 | 085 | <ul style="list-style-type: none"> Alphanumeric Set to "1" if applicable, otherwise "0" Metastatic Cancer and Acute Leukemia |
| 43 | Disease Coefficients HCC009 | 001 | 086 | 086 | <ul style="list-style-type: none"> Alphanumeric Set to "1" if applicable, otherwise "0" Lung and Other Severe Cancers |
| 44 | Disease Coefficients HCC010 | 001 | 087 | 087 | <ul style="list-style-type: none"> Alphanumeric Set to "1" if applicable, otherwise "0" Lymphoma and Other Cancers |
| 45 | Disease Coefficients HCC011 | 001 | 088 | 088 | <ul style="list-style-type: none"> Alphanumeric Set to "1" if applicable, otherwise "0" Colorectal, Bladder, and Other Cancers |
| 46 | Disease Coefficients HCC012 | 001 | 089 | 089 | <ul style="list-style-type: none"> Alphanumeric Set to "1" if applicable, otherwise "0" Breast, Prostate, and Other Cancers and Tumors |
| 47 | Disease Coefficients HCC017 | 001 | 090 | 090 | <ul style="list-style-type: none"> Alphanumeric Set to "1" if applicable, otherwise "0" Diabetes with Acute Complications |
| 48 | Disease Coefficients HCC018 | 001 | 091 | 091 | <ul style="list-style-type: none"> Alphanumeric Set to "1" if applicable, otherwise "0" Diabetes with Chronic Complications |

| # | Field Name | Length | Start Position | End Position | Format / Comments |
|----|-----------------------------|--------|----------------|--------------|--|
| 49 | Disease Coefficients HCC019 | 001 | 092 | 092 | <ul style="list-style-type: none"> • Alphanumeric • Set to "1" if applicable, otherwise "0" • Diabetes without Complication |
| 50 | Disease Coefficients HCC021 | 001 | 093 | 093 | <ul style="list-style-type: none"> • Alphanumeric • Set to "1" if applicable, otherwise "0" • Protein-Calorie Malnutrition |
| 51 | Disease Coefficients HCC022 | 001 | 094 | 094 | <ul style="list-style-type: none"> • Alphanumeric • Set to "1" if applicable, otherwise "0" • Morbid Obesity |
| 52 | Disease Coefficients HCC023 | 001 | 095 | 095 | <ul style="list-style-type: none"> • Alphanumeric • Set to "1" if applicable, otherwise "0" • Other Significant Endocrine and Metabolic Disorders |
| 53 | Disease Coefficients HCC027 | 001 | 096 | 096 | <ul style="list-style-type: none"> • Alphanumeric • Set to "1" if applicable, otherwise "0" • End-Stage Liver Disease |
| 54 | Disease Coefficients HCC028 | 001 | 097 | 097 | <ul style="list-style-type: none"> • Alphanumeric • Set to "1" if applicable, otherwise "0" • Cirrhosis of Liver |
| 55 | Disease Coefficients HCC029 | 001 | 098 | 098 | <ul style="list-style-type: none"> • Alphanumeric • Set to "1" if applicable, otherwise "0" • Chronic Hepatitis |
| 56 | Disease Coefficients HCC033 | 001 | 099 | 099 | <ul style="list-style-type: none"> • Alphanumeric • Set to "1" if applicable, otherwise "0" • Intestinal Obstruction/Perforation |
| 57 | Disease Coefficients HCC034 | 001 | 100 | 100 | <ul style="list-style-type: none"> • Alphanumeric • Set to "1" if applicable, otherwise "0" • Chronic Pancreatitis |
| 58 | Disease Coefficients HCC035 | 001 | 101 | 101 | <ul style="list-style-type: none"> • Alphanumeric • Set to "1" if applicable, otherwise "0" • Inflammatory Bowel Disease |
| 59 | Disease Coefficients HCC039 | 001 | 102 | 102 | <ul style="list-style-type: none"> • Alphanumeric • Set to "1" if applicable, otherwise "0" |

| # | Field Name | Length | Start Position | End Position | Format / Comments |
|----|-----------------------------|--------|----------------|--------------|--|
| | | | | | <ul style="list-style-type: none"> Bone/Joint/Muscle Infections/Necrosis |
| 60 | Disease Coefficients HCC040 | 001 | 103 | 103 | <ul style="list-style-type: none"> Alphanumeric Set to "1" if applicable, otherwise "0" Rheumatoid Arthritis and Inflammatory Connective Tissue Disease |
| 61 | Disease Coefficients HCC046 | 001 | 104 | 104 | <ul style="list-style-type: none"> Alphanumeric Set to "1" if applicable, otherwise "0" Severe Hematological Disorders |
| 62 | Disease Coefficients HCC047 | 001 | 105 | 105 | <ul style="list-style-type: none"> Alphanumeric Set to "1" if applicable, otherwise "0" Disorders of Immunity |
| 63 | Disease Coefficients HCC048 | 001 | 106 | 106 | <ul style="list-style-type: none"> Alphanumeric Set to "1" if applicable, otherwise "0" Coagulation Defects and Other Specified Hematological Disorders |
| 64 | Disease Coefficients HCC054 | 001 | 107 | 107 | <ul style="list-style-type: none"> Alphanumeric Set to "1" if applicable, otherwise "0" Drug/Alcohol Psychosis |
| 65 | Disease Coefficients HCC055 | 001 | 108 | 108 | <ul style="list-style-type: none"> Alphanumeric Set to "1" if applicable, otherwise "0" Drug/Alcohol Dependence |
| 66 | Disease Coefficients HCC057 | 001 | 109 | 109 | <ul style="list-style-type: none"> Alphanumeric Set to "1" if applicable, otherwise "0" Schizophrenia |
| 67 | Disease Coefficients HCC058 | 001 | 110 | 110 | <ul style="list-style-type: none"> Alphanumeric Set to "1" if applicable, otherwise "0" Major Depressive, Bipolar, and Paranoid Disorders |
| 68 | Disease Coefficients HCC070 | 001 | 111 | 111 | <ul style="list-style-type: none"> Alphanumeric Set to "1" if applicable, otherwise "0" Quadriplegia |
| 69 | Disease Coefficients HCC071 | 001 | 112 | 112 | <ul style="list-style-type: none"> Alphanumeric Set to "1" if applicable, otherwise "0" |

| # | Field Name | Length | Start Position | End Position | Format / Comments |
|----|-----------------------------|--------|----------------|--------------|--|
| | | | | | <ul style="list-style-type: none"> • Paraplegia |
| 70 | Disease Coefficients HCC072 | 001 | 113 | 113 | <ul style="list-style-type: none"> • Alphanumeric • Set to "1" if applicable, otherwise "0" • Spinal Cord Disorders/Injuries |
| 71 | Disease Coefficients HCC073 | 001 | 114 | 114 | <ul style="list-style-type: none"> • Alphanumeric • Set to "1" if applicable, otherwise "0" • Amyotrophic Lateral Sclerosis and Other Motor Neuron Disease |
| 72 | Disease Coefficients HCC074 | 001 | 115 | 115 | <ul style="list-style-type: none"> • Alphanumeric • Set to "1" if applicable, otherwise "0" • Cerebral Palsy |
| 73 | Disease Coefficients HCC075 | 001 | 116 | 116 | <ul style="list-style-type: none"> • Alphanumeric • Set to "1" if applicable, otherwise "0" <p>Myasthenia Gravis/Myoneural Disorders and Guillain-Barre Syndrome/Inflammatory and Toxic Neuropathy</p> |
| 74 | Disease Coefficients HCC076 | 001 | 117 | 117 | <ul style="list-style-type: none"> • Alphanumeric • Set to "1" if applicable, otherwise "0" • Muscular Dystrophy |
| 75 | Disease Coefficients HCC077 | 001 | 118 | 118 | <ul style="list-style-type: none"> • Alphanumeric • Set to "1" if applicable, otherwise "0" • Multiple Sclerosis |
| 76 | Disease Coefficients HCC078 | 001 | 119 | 119 | <ul style="list-style-type: none"> • Alphanumeric • Set to "1" if applicable, otherwise "0" • Parkinson's and Huntington's Diseases |
| 77 | Disease Coefficients HCC079 | 001 | 120 | 120 | <ul style="list-style-type: none"> • Alphanumeric • Set to "1" if applicable, otherwise "0" • Seizure Disorders and Convulsions |
| 78 | Disease Coefficients HCC080 | 001 | 121 | 121 | <ul style="list-style-type: none"> • Alphanumeric • Set to "1" if applicable, otherwise "0" • Coma, Brain Compression/Anoxic Damage |

| # | Field Name | Length | Start Position | End Position | Format / Comments |
|----|-----------------------------|--------|----------------|--------------|---|
| 79 | Disease Coefficients HCC082 | 001 | 122 | 122 | <ul style="list-style-type: none"> • Alphanumeric • Set to "1" if applicable, otherwise "0" • Respirator Dependence/Tracheostomy Status |
| 80 | Disease Coefficients HCC083 | 001 | 123 | 123 | <ul style="list-style-type: none"> • Alphanumeric • Set to "1" if applicable, otherwise "0" • Respiratory Arrest |
| 81 | Disease Coefficients HCC084 | 001 | 124 | 124 | <ul style="list-style-type: none"> • Alphanumeric • Set to "1" if applicable, otherwise "0" • Cardio-Respiratory Failure and Shock |
| 82 | Disease Coefficients HCC085 | 001 | 125 | 125 | <ul style="list-style-type: none"> • Alphanumeric • Set to "1" if applicable, otherwise "0" • Congestive Heart Failure |
| 83 | Disease Coefficients HCC086 | 001 | 126 | 126 | <ul style="list-style-type: none"> • Alphanumeric • Set to "1" if applicable, otherwise "0" • Acute Myocardial Infarction |
| 84 | Disease Coefficients HCC087 | 001 | 127 | 127 | <ul style="list-style-type: none"> • Alphanumeric • Set to "1" if applicable, otherwise "0" • Unstable Angina and Other Acute Ischemic Heart Disease |
| 85 | Disease Coefficients HCC088 | 001 | 128 | 128 | <ul style="list-style-type: none"> • Alphanumeric • Set to "1" if applicable, otherwise "0" • Angina Pectoris |
| 86 | Disease Coefficients HCC096 | 001 | 129 | 129 | <ul style="list-style-type: none"> • Alphanumeric • Set to "1" if applicable, otherwise "0" • Specified Heart Arrhythmias |
| 87 | Disease Coefficients HCC099 | 001 | 130 | 130 | <ul style="list-style-type: none"> • Alphanumeric • Set to "1" if applicable, otherwise "0" • Cerebral Hemorrhage |
| 88 | Disease Coefficients HCC100 | 001 | 131 | 131 | <ul style="list-style-type: none"> • Alphanumeric • Set to "1" if applicable, otherwise "0" • Ischemic or Unspecified Stroke |
| 89 | Disease Coefficients HCC103 | 001 | 132 | 132 | <ul style="list-style-type: none"> • Alphanumeric • Set to "1" if applicable, otherwise "0" |

| # | Field Name | Length | Start Position | End Position | Format / Comments |
|----|-----------------------------|--------|----------------|--------------|---|
| | | | | | <ul style="list-style-type: none"> Hemiplegia/Hemiparesis |
| 90 | Disease Coefficients HCC104 | 001 | 133 | 133 | <ul style="list-style-type: none"> Alphanumeric Set to "1" if applicable, otherwise "0" Monoplegia, Other Paralytic Syndromes |
| 91 | Disease Coefficients HCC106 | 001 | 134 | 134 | <ul style="list-style-type: none"> Alphanumeric Set to "1" if applicable, otherwise "0" Atherosclerosis of the Extremities with Ulceration or Gangrene |
| 92 | Disease Coefficients HCC107 | 001 | 135 | 135 | <ul style="list-style-type: none"> Alphanumeric Set to "1" if applicable, otherwise "0" Vascular Disease with Complications |
| 93 | Disease Coefficients HCC108 | 001 | 136 | 136 | <ul style="list-style-type: none"> Alphanumeric Set to "1" if applicable, otherwise "0" Vascular Disease |
| 94 | Disease Coefficients HCC110 | 001 | 137 | 137 | <ul style="list-style-type: none"> Alphanumeric Set to "1" if applicable, otherwise "0" Cystic Fibrosis |
| 95 | Disease Coefficients HCC111 | 001 | 138 | 138 | <ul style="list-style-type: none"> Alphanumeric Set to "1" if applicable, otherwise "0" Chronic Obstructive Pulmonary Disease |
| 96 | Disease Coefficients HCC112 | 001 | 139 | 139 | <ul style="list-style-type: none"> Alphanumeric Set to "1" if applicable, otherwise "0" Fibrosis of Lung and Other Chronic Lung Disorders |
| 97 | Disease Coefficients HCC114 | 001 | 140 | 140 | <ul style="list-style-type: none"> Alphanumeric Set to "1" if applicable, otherwise "0" Aspiration and Specified Bacterial Pneumonias |
| 98 | Disease Coefficients HCC115 | 001 | 141 | 141 | <ul style="list-style-type: none"> Alphanumeric Set to "1" if applicable, otherwise "0" Pneumococcal Pneumonia, Emphysema, Lung Abscess |

| # | Field Name | Length | Start Position | End Position | Format / Comments |
|-----|-----------------------------|--------|----------------|--------------|--|
| 99 | Disease Coefficients HCC122 | 001 | 142 | 142 | <ul style="list-style-type: none"> • Alphanumeric • Set to "1" if applicable, otherwise "0" • Proliferative Diabetic Retinopathy and Vitreous Hemorrhage |
| 100 | Disease Coefficients HCC124 | 001 | 143 | 143 | <ul style="list-style-type: none"> • Alphanumeric • Set to "1" if applicable, otherwise "0" • Exudative Macular Degeneration |
| 101 | Disease Coefficients HCC134 | 001 | 144 | 144 | <ul style="list-style-type: none"> • Alphanumeric • Set to "1" if applicable, otherwise "0" • Dialysis Status |
| 102 | Disease Coefficients HCC135 | 001 | 145 | 145 | <ul style="list-style-type: none"> • Alphanumeric • Set to "1" if applicable, otherwise "0" • Acute Renal Failure |
| 103 | Disease Coefficients HCC136 | 001 | 146 | 146 | <ul style="list-style-type: none"> • Alphanumeric • Set to "1" if applicable, otherwise "0" • Chronic Kidney Disease, Stage 5 |
| 104 | Disease Coefficients HCC137 | 001 | 147 | 147 | <ul style="list-style-type: none"> • Alphanumeric • Set to "1" if applicable, otherwise "0" • Chronic Kidney Disease, Severe (Stage 4) |
| 105 | Disease Coefficients HCC157 | 001 | 148 | 148 | <ul style="list-style-type: none"> • Alphanumeric • Set to "1" if applicable, otherwise "0" • Pressure Ulcer of Skin with Necrosis Through to Muscle, Tendon, or Bone |
| 106 | Disease Coefficients HCC158 | 001 | 149 | 149 | <ul style="list-style-type: none"> • Alphanumeric • Set to "1" if applicable, otherwise "0" • Pressure Ulcer of Skin with Full Thickness Skin Loss |
| 107 | Disease Coefficients HCC161 | 001 | 150 | 150 | <ul style="list-style-type: none"> • Alphanumeric • Set to "1" if applicable, otherwise "0" • Chronic Ulcer of Skin, Except Pressure |
| 108 | Disease Coefficients HCC162 | 001 | 151 | 151 | <ul style="list-style-type: none"> • Alphanumeric • Set to "1" if applicable, otherwise "0" • Severe Skin Burn or Condition |

| # | Field Name | Length | Start Position | End Position | Format / Comments |
|-----|-----------------------------|--------|----------------|--------------|---|
| 109 | Disease Coefficients HCC166 | 001 | 152 | 152 | <ul style="list-style-type: none"> • Alphanumeric • Set to "1" if applicable, otherwise "0" • Severe Head Injury |
| 110 | Disease Coefficients HCC167 | 001 | 153 | 153 | <ul style="list-style-type: none"> • Alphanumeric • Set to "1" if applicable, otherwise "0" • Major Head Injury |
| 111 | Disease Coefficients HCC169 | 001 | 154 | 154 | <ul style="list-style-type: none"> • Alphanumeric • Set to "1" if applicable, otherwise "0" • Vertebral Fractures without Spinal Cord Injury |
| 112 | Disease Coefficients HCC170 | 001 | 155 | 155 | <ul style="list-style-type: none"> • Alphanumeric • Set to "1" if applicable, otherwise "0" • Hip Fracture/Dislocation |
| 113 | Disease Coefficients HCC173 | 001 | 156 | 156 | <ul style="list-style-type: none"> • Alphanumeric • Set to "1" if applicable, otherwise "0" • Traumatic Amputations and Complications |
| 114 | Disease Coefficients HCC176 | 001 | 157 | 157 | <ul style="list-style-type: none"> • Alphanumeric • Set to "1" if applicable, otherwise "0" • Complications of Specified Implanted Device or Graft |
| 115 | Disease Coefficients HCC186 | 001 | 158 | 158 | <ul style="list-style-type: none"> • Alphanumeric • Set to "1" if applicable, otherwise "0" • Major Organ Transplant or Replacement Status |
| 116 | Disease Coefficients HCC188 | 001 | 159 | 159 | <ul style="list-style-type: none"> • Alphanumeric • Set to "1" if applicable, otherwise "0" • Artificial Openings for Feeding or Elimination |
| 117 | Disease Coefficients HCC189 | 001 | 160 | 160 | <ul style="list-style-type: none"> • Alphanumeric • Set to "1" if applicable, otherwise "0" • Amputation Status, Lower Limb/Amputation Complications |
| 118 | Disabled Disease HCC006 | 001 | 161 | 161 | <ul style="list-style-type: none"> • Alphanumeric • Set to "1" if applicable, otherwise "0" |

| # | Field Name | Length | Start Position | End Position | Format / Comments |
|-----|---|--------|----------------|--------------|--|
| | | | | | <ul style="list-style-type: none"> Disabled (Age<65) and CMS HCC 006 Opportunistic Infections |
| 119 | Disabled Disease HCC034 | 001 | 162 | 162 | <ul style="list-style-type: none"> Alphanumeric Set to "1" if applicable, otherwise "0" Disabled (Age<65) and CMS HCC 034 Chronic Pancreatitis |
| 120 | Disabled Disease HCC046 | 001 | 163 | 163 | <ul style="list-style-type: none"> Alphanumeric Set to "1" if applicable, otherwise "0" Disabled (Age<65) and CMS HCC 046 Severe Hematological Disorders |
| 121 | Disabled Disease HCC054 | 001 | 164 | 164 | <ul style="list-style-type: none"> Alphanumeric Set to "1" if applicable, otherwise "0" Disabled (Age<65) and CMS HCC 054 Drug/Alcohol Psychosis |
| 122 | Disabled Disease HCC055 | 001 | 165 | 165 | <ul style="list-style-type: none"> Alphanumeric Set to "1" if applicable, otherwise "0" Disabled (Age<65) and CMS HCC 055 Drug/Alcohol Dependence |
| 123 | Disabled Disease HCC110 | 001 | 166 | 166 | <ul style="list-style-type: none"> Alphanumeric Set to "1" if applicable, otherwise "0" Disabled (Age<65) and CMS HCC 110 Cystic Fibrosis |
| 124 | Disabled Disease HCC176 | 001 | 167 | 167 | <ul style="list-style-type: none"> Alphanumeric Set to "1" if applicable, otherwise "0" Disabled (Age<65) and CMS HCC 176 Complications of Specified Implanted Device or Graft |
| 125 | Disease Interactions – CANCER_IMMUNE | 001 | 168 | 168 | <ul style="list-style-type: none"> Alphanumeric Set to "1" if applicable, otherwise "0" CANCER_IMMUNE |
| 126 | Disease Interactions – CHF_COPD | 001 | 169 | 169 | <ul style="list-style-type: none"> Alphanumeric Set to "1" if applicable, otherwise "0" CHF_COPD |
| 127 | Disease Interactions – CHF_RENAL | 001 | 170 | 170 | <ul style="list-style-type: none"> Alphanumeric Set to "1" if applicable, otherwise "0" CHF_RENAL |

| # | Field Name | Length | Start Position | End Position | Format / Comments |
|-----|--|--------|----------------|--------------|--|
| 128 | Disease Interactions – COPD_CARD_RESP_FAIL | 001 | 171 | 171 | <ul style="list-style-type: none"> Alphanumeric Set to “1” if applicable, otherwise “0” COPD_CARD_RESP_FAIL |
| 129 | Disease Interactions – DIABETES_CHF | 001 | 172 | 172 | <ul style="list-style-type: none"> Alphanumeric Set to “1” if applicable, otherwise “0” DIABETES_CHF |
| 130 | Disease Interactions – SEPSIS_CARD_RESP_FAIL | 001 | 173 | 173 | <ul style="list-style-type: none"> Alphanumeric Set to “1” if applicable, otherwise “0” SEPSIS_CARD_RESP_FAIL |
| 131 | Medicaid | 001 | 174 | 174 | <ul style="list-style-type: none"> Alphanumeric Set to “1” if applicable, otherwise “0” Beneficiary is entitled to Medicaid. |
| 132 | Originally Disabled | 001 | 175 | 175 | <ul style="list-style-type: none"> Alphanumeric Set to “1” if applicable, otherwise “0” Beneficiary original Medicare entitlement was due to disability. |
| 133 | Disabled Disease HCC039 | 001 | 176 | 176 | <ul style="list-style-type: none"> Alphanumeric Set to “1” if applicable, otherwise “0” Disabled (Age<65) and CMS HCC 039 Bone/Joint/Muscle Infections/Necrosis |
| 134 | Disabled Disease HCC077 | 001 | 177 | 177 | <ul style="list-style-type: none"> Alphanumeric Set to “1” if applicable, otherwise “0” Disabled (Age<65) and CMS HCC 077 Multiple Sclerosis |
| 135 | Disabled Disease HCC085 | 001 | 178 | 178 | <ul style="list-style-type: none"> Alphanumeric Set to “1” if applicable, otherwise “0” Disabled (Age<65) and CMS HCC 085 Congestive Heart Failure |
| 136 | Disabled Disease HCC161 | 001 | 179 | 179 | <ul style="list-style-type: none"> Alphanumeric Set to “1” if applicable, otherwise “0” Disabled (Age<65) and CMS HCC 161 Chronic Ulcer of the Skin, Except Pressure Ulcer |
| 137 | Disease Interactions - DISABLED_PRESSURE_ULCER | 001 | 180 | 180 | <ul style="list-style-type: none"> Alphanumeric Set to “1” if applicable, otherwise “0” |

| # | Field Name | Length | Start Position | End Position | Format / Comments |
|-----|--|--------|----------------|--------------|---|
| | | | | | <ul style="list-style-type: none"> DISABLED_PRESSURE_ULCER |
| 138 | Disease Interactions - ARTIF_OPENINGS_PRESSURE_ULCER | 001 | 181 | 181 | <ul style="list-style-type: none"> Alphanumeric Set to "1" if applicable, otherwise "0" ARTIF_OPENINGS_PRESSURE_ULCER |
| 139 | Disease Interactions - ASP_SPEC_BACT_PNEUM_PRES_ULCER | 001 | 182 | 182 | <ul style="list-style-type: none"> Alphanumeric Set to "1" if applicable, otherwise "0" ASP_SPEC_BACT_PNEUM_PRES_ULCER |
| 140 | Disease Interactions - COPD_ASP_SPEC_BACT_PNEUM | 001 | 183 | 183 | <ul style="list-style-type: none"> Alphanumeric Set to "1" if applicable, otherwise "0" COPD_ASP_SPEC_BACT_PNEUM |
| 141 | Disease Interactions - SCHIZOPHRENIA_CHF | 001 | 184 | 184 | <ul style="list-style-type: none"> Alphanumeric Set to "1" if applicable, otherwise "0" SCHIZOPHRENIA_CHF |
| 142 | Disease Interactions - SCHIZOPHRENIA_COPD | 001 | 185 | 185 | <ul style="list-style-type: none"> Alphanumeric Set to "1" if applicable, otherwise "0" SCHIZOPHRENIA_COPD |
| 143 | Disease Interactions - SCHIZOPHRENIA_SEIZURES | 001 | 186 | 186 | <ul style="list-style-type: none"> Alphanumeric Set to "1" if applicable, otherwise "0" SCHIZOPHRENIA_SEIZURES |
| 144 | Disease Interactions - SEPSIS_ ARTIF_OPENINGS | 001 | 187 | 187 | <ul style="list-style-type: none"> Alphanumeric Set to "1" if applicable, otherwise "0" SEPSIS_ARTIF_OPENINGS |
| 145 | Disease Interactions - SEPSIS_ASP_SPEC_BACT_PNEUM | 001 | 188 | 188 | <ul style="list-style-type: none"> Alphanumeric Set to "1" if applicable, otherwise "0" SEPSIS_ASP_SPEC_BACT_PNEUM |
| 146 | Disease Interactions - SEPSIS_ PRESSURE_ULCER | 001 | 189 | 189 | <ul style="list-style-type: none"> Alphanumeric Set to "1" if applicable, otherwise "0" SEPSIS_PRESSURE_ULCER |
| 147 | Filler | 011 | 190 | 200 | <ul style="list-style-type: none"> Alphanumeric Spaces |

Total Length = 200.

NOTE: Fields 131-146 are associated with the CMS HCC V22 Institutional Score only.

RAS MOR CMS HCC Trailer Record (Payment Year 2016)

| # | Field Name | Length | Start Position | End Position | Format / Comments |
|---|--------------------|--------|----------------|--------------|---|
| 1 | Record Type Code | 001 | 001 | 001 | <ul style="list-style-type: none">• Alphanumeric• Set to "3" for Trailer |
| 2 | Contract Number | 005 | 002 | 006 | <ul style="list-style-type: none">• Alphanumeric• Also known as MCO plan number• Unique identification for a Managed Care Organization (MCO) enabling the MCO to provide coverage to eligible beneficiaries |
| 3 | Total Record Count | 009 | 007 | 015 | <ul style="list-style-type: none">• Alphanumeric• Includes all header and trailer records |
| 4 | Filler | 185 | 016 | 200 | <ul style="list-style-type: none">• Alphanumeric• Spaces |

MOR LAYOUT FOR RxHCC RECORD TYPES 2, 4, and 5

RAS MOR Rx HCC Header Record (Payment Year 2016)

| # | Field Name | Length | Start Position | End Position | Format / Comments |
|---|------------------------|--------|----------------|--------------|--|
| 1 | Record Type Code | 001 | 001 | 001 | <ul style="list-style-type: none"> • Alphanumeric • Set to "1" for Header |
| 2 | Contract Number | 005 | 002 | 006 | <ul style="list-style-type: none"> • Alphanumeric • Also known as MCO plan number • Unique identification for a Managed Care Organization (MCO) enabling the MCO to provide coverage to eligible beneficiaries. |
| 3 | Run Date | 008 | 007 | 0014 | <ul style="list-style-type: none"> • Alphanumeric • Format as yyyyymmdd • The run date when this file was created. |
| 4 | Payment Year and Month | 006 | 015 | 020 | <ul style="list-style-type: none"> • Alphanumeric • Format as yyyyymm • This identifies the risk adjustment payment year and month for the model run. |
| 5 | Filler | 148 | 021 | 168 | <ul style="list-style-type: none"> • Alphanumeric • Spaces |

RAS MOR Rx HCC Detail Record Type 2, 4, and 5 (Payment Year 2016)

| # | Field Name | Length | Start Position | End Position | Format / Comments |
|---|--------------------------------------|--------|----------------|--------------|--|
| 1 | Record Type Code | 001 | 001 | 001 | <ul style="list-style-type: none"> Alphanumeric “2” = V05 PTD MOR (RAPS and FFS) “4” = V05 PTD MOR (Encounter and FFS) “5” = V05 PTD MOR (PACE) (RAPS, FFS, and Encounter) |
| 2 | Health Insurance Claim Number (HICN) | 012 | 002 | 013 | <ul style="list-style-type: none"> Alphanumeric This is the Health Insurance Claim Number (known as HICN) identifying the primary Medicare Beneficiary under the SSA or RRB programs. The HICN, consisting of Beneficiary Claim Number along with the Beneficiary Identification Code uniquely identifies a Medicare Beneficiary. For the RRB program, the claim account number is a 12-byte account number. |
| 3 | Beneficiary Last Name | 012 | 014 | 025 | <ul style="list-style-type: none"> Alphanumeric First 12 bytes of the Bene Last Name Beneficiary Last Name |
| 4 | Beneficiary First Name | 007 | 026 | 032 | <ul style="list-style-type: none"> Alphanumeric First 7 bytes of the bene First Name Beneficiary First Name |
| 5 | Beneficiary Initial | 001 | 033 | 033 | <ul style="list-style-type: none"> Alphanumeric 1 byte Initial Beneficiary Initial |
| 6 | Date of Birth | 008 | 034 | 041 | <ul style="list-style-type: none"> Alphanumeric Formatted as yyyymmdd The date of birth of the Medicare Beneficiary |
| 7 | Sex | 001 | 042 | 042 | <ul style="list-style-type: none"> Alphanumeric 0=unknown, 1=male, 2=female Represents the sex of the Medicare Beneficiary |

| # | Field Name | Length | Start Position | End Position | Format / Comments |
|----|------------------------|--------|----------------|--------------|--|
| 8 | Social Security Number | 009 | 043 | 051 | <ul style="list-style-type: none"> Alphanumeric The beneficiary's current identification number that was assigned by the Social Security Administration. |
| 9 | Age Group Female 0_34 | 001 | 052 | 052 | <ul style="list-style-type: none"> Alphanumeric Set to "1" if applicable, otherwise "0" The sex and age group for the beneficiary based on a given as of date. Female between ages of 0 and 34, inclusive. |
| 10 | Age Group Female 35_44 | 001 | 053 | 053 | <ul style="list-style-type: none"> Alphanumeric Set to "1" if applicable, otherwise "0" The sex and age group for the beneficiary based on a given as of date. Female between ages of 35 and 44, inclusive. |
| 11 | Age Group Female 45_54 | 001 | 054 | 054 | <ul style="list-style-type: none"> Alphanumeric Set to "1" if applicable, otherwise "0" The sex and age group for the beneficiary based on a given as of date. Female between ages of 45 and 54, inclusive. |
| 12 | Age Group Female 55_59 | 001 | 055 | 055 | <ul style="list-style-type: none"> Alphanumeric Set to "1" if applicable, otherwise "0" The sex and age group for the beneficiary based on a given as of date. Female between ages of 55 and 59, inclusive. |
| 13 | Age Group Female 60_64 | 001 | 056 | 056 | <ul style="list-style-type: none"> Alphanumeric Set to "1" if applicable, otherwise "0" The sex and age group for the beneficiary based on a given as of date. Female between ages of 60 and 64, inclusive. |
| 14 | Age Group Female 65_69 | 001 | 057 | 057 | <ul style="list-style-type: none"> Alphanumeric Set to "1" if applicable, otherwise "0" The sex and age group for the beneficiary based on a given as of date. Female between ages of 65 and 69, inclusive. |
| 15 | Age Group Female 70_74 | 001 | 058 | 058 | <ul style="list-style-type: none"> Alphanumeric Set to "1" if applicable, otherwise "0" The sex and age group for the beneficiary based on a given as of date. Female between ages of 70 and 74, inclusive. |

| # | Field Name | Length | Start Position | End Position | Format / Comments |
|----|---------------------------|--------|----------------|--------------|--|
| 16 | Age Group Female 75_79 | 001 | 059 | 059 | <ul style="list-style-type: none"> Alphanumeric Set to "1" if applicable, otherwise "0" The sex and age group for the beneficiary based on a given as of date. Female between ages of 75 and 79, inclusive. |
| 17 | Age Group Female 80_84 | 001 | 060 | 060 | <ul style="list-style-type: none"> Alphanumeric Set to "1" if applicable, otherwise "0" The sex and age group for the beneficiary based on a given as of date. Female between ages of 80 and 84, inclusive. |
| 18 | Age Group Female 85_89 | 001 | 061 | 061 | <ul style="list-style-type: none"> Alphanumeric Set to "1" if applicable, otherwise "0" The sex and age group for the beneficiary based on a given as of date. Female between ages of 85 and 89, inclusive. |
| 19 | Age Group Female 90_94 | 001 | 062 | 062 | <ul style="list-style-type: none"> Alphanumeric Set to "1" if applicable, otherwise "0" The sex and age group for the beneficiary based on a given as of date. Female between ages of 90 and 94, inclusive. |
| 20 | Age Group Female 95_GT | 001 | 063 | 063 | <ul style="list-style-type: none"> Alphanumeric Set to "1" if applicable, otherwise "0" The sex and age group for the beneficiary based on a given as of date. Female, age 95 or greater. |
| 21 | Age Group Male 0_34 | 001 | 064 | 064 | <ul style="list-style-type: none"> Alphanumeric Set to "1" if applicable, otherwise "0" The sex and age group for the beneficiary based on a given as of date. Male between ages of 0 and 34, inclusive. |
| 22 | Age Group Male 35_44 | 001 | 065 | 065 | <ul style="list-style-type: none"> Alphanumeric Set to "1" if applicable, otherwise "0" The sex and age group for the beneficiary based on a given as of date. Male between ages of 35 and 44, inclusive. |

| # | Field Name | Length | Start Position | End Position | Format / Comments |
|----|----------------------|--------|----------------|--------------|--|
| 23 | Age Group Male 45_54 | 001 | 066 | 066 | <ul style="list-style-type: none"> Alphanumeric Set to "1" if applicable, otherwise "0" The sex and age group for the beneficiary based on a given as of date. Male between ages of 45 and 54, inclusive. |
| 24 | Age Group Male 55_59 | 001 | 067 | 067 | <ul style="list-style-type: none"> Alphanumeric Set to "1" if applicable, otherwise "0" The sex and age group for the beneficiary based on a given as of date. Male between ages of 55 and 59, inclusive. |
| 25 | Age Group Male 60_64 | 001 | 068 | 068 | <ul style="list-style-type: none"> Alphanumeric Set to "1" if applicable, otherwise "0" The sex and age group for the beneficiary based on a given as of date. Male between ages of 60 and 64, inclusive. |
| 26 | Age Group Male 65_69 | 001 | 069 | 069 | <ul style="list-style-type: none"> Alphanumeric Set to "1" if applicable, otherwise "0" The sex and age group for the beneficiary based on a given as of date. Male between ages of 65 and 69, inclusive. |
| 27 | Age Group Male 70_74 | 001 | 070 | 070 | <ul style="list-style-type: none"> Alphanumeric Set to "1" if applicable, otherwise "0" The sex and age group for the beneficiary based on a given as of date. Male between ages of 70 and 74, inclusive. |
| 28 | Age Group Male 75_79 | 001 | 071 | 071 | <ul style="list-style-type: none"> Alphanumeric Set to "1" if applicable, otherwise "0" The sex and age group for the beneficiary based on a given as of date. Male between ages of 75 and 79, inclusive. |
| 29 | Age Group Male 80_84 | 001 | 072 | 072 | <ul style="list-style-type: none"> Alphanumeric Set to "1" if applicable, otherwise "0" The sex and age group for the beneficiary based on a given as of date. Male between ages of 80 and 84, inclusive. |

| # | Field Name | Length | Start Position | End Position | Format / Comments |
|----|------------------------------|--------|----------------|--------------|--|
| 30 | Age Group Male 85_89 | 001 | 073 | 073 | <ul style="list-style-type: none"> Alphanumeric Set to "1" if applicable, otherwise "0" The sex and age group for the beneficiary based on a given as of date. Male between ages of 85 and 89, inclusive. |
| 31 | Age Group Male 90_94 | 001 | 074 | 074 | <ul style="list-style-type: none"> Alphanumeric Set to "1" if applicable, otherwise "0" The sex and age group for the beneficiary based on a given as of date. Male between ages of 90 and 94, inclusive. |
| 32 | Age Group Male 95_GT | 001 | 075 | 075 | <ul style="list-style-type: none"> Alphanumeric Set to "1" if applicable, otherwise "0" The sex and age group for the beneficiary based on a given as of date. Male, age 95 or greater. |
| 33 | Originally Disabled Female | 001 | 076 | 076 | <ul style="list-style-type: none"> Alphanumeric Set to "1" if applicable, otherwise "0" Beneficiary is a female and original Medicare entitlement was due to disability. |
| 34 | Originally Disabled Male | 001 | 077 | 077 | <ul style="list-style-type: none"> Alphanumeric Set to "1" if applicable, otherwise "0" Beneficiary is a male and original Medicare entitlement was due to disability. |
| 35 | Disease Coefficients RXHCC1 | 001 | 078 | 078 | <ul style="list-style-type: none"> Alphanumeric Set to "1" if applicable, otherwise "0" HIV/AIDS |
| 36 | Disease Coefficients RXHCC5 | 001 | 079 | 079 | <ul style="list-style-type: none"> Alphanumeric Set to "1" if applicable, otherwise "0" Opportunistic Infections |
| 37 | Disease Coefficients RXHCC15 | 001 | 080 | 080 | <ul style="list-style-type: none"> Alphanumeric Set to "1" if applicable, otherwise "0" Chronic Myeloid Leukemia |
| 38 | Disease Coefficients RXHCC16 | 001 | 081 | 081 | <ul style="list-style-type: none"> Alphanumeric Set to "1" if applicable, otherwise "0" Multiple Myeloma and Other Neoplastic Disorders |

| # | Field Name | Length | Start Position | End Position | Format / Comments |
|----|---------------------------------|--------|----------------|--------------|--|
| 39 | Disease Coefficients RXHCC17 | 001 | 082 | 082 | <ul style="list-style-type: none"> Alphanumeric Set to "1" if applicable, otherwise "0" Secondary Cancers of Bone, Lung, Brain, and Other Specified Sites; Liver Cancer |
| 40 | Disease Coefficients RXHCC18 | 001 | 083 | 083 | <ul style="list-style-type: none"> Alphanumeric Set to "1" if applicable, otherwise "0" Lung, Kidney, and Other Cancers |
| 41 | Disease Coefficients RXHCC19 | 001 | 084 | 084 | <ul style="list-style-type: none"> Alphanumeric Set to "1" if applicable, otherwise "0" Breast and Other Cancers and Tumors |
| 42 | Disease Coefficients RXHCC30 | 001 | 085 | 085 | <ul style="list-style-type: none"> Alphanumeric Set to "1" if applicable, otherwise "0" Diabetes with Complications |
| 43 | Disease Coefficients RXHCC31 | 001 | 086 | 086 | <ul style="list-style-type: none"> Alphanumeric Set to "1" if applicable, otherwise "0" Diabetes without Complication |
| 44 | Disease Coefficients RXHCC40 | 001 | 087 | 087 | <ul style="list-style-type: none"> Alphanumeric Set to "1" if applicable, otherwise "0" Specified Hereditary Metabolic/Immune Disorders |
| 45 | Disease Coefficients RXHCC41 | 001 | 088 | 088 | <ul style="list-style-type: none"> Alphanumeric Set to "1" if applicable, otherwise "0" Pituitary, Adrenal Gland, and Other Endocrine and Metabolic Disorders |
| 46 | Disease Coefficients RXHCC42 | 001 | 089 | 089 | <ul style="list-style-type: none"> Alphanumeric Set to "1" if applicable, otherwise "0" Thyroid Disorders |
| 47 | Disease Coefficients RXHCC43 | 001 | 090 | 090 | <ul style="list-style-type: none"> Alphanumeric Set to "1" if applicable, otherwise "0" Morbid Obesity |
| 48 | Disease Coefficients RXHCC45 | 001 | 091 | 091 | <ul style="list-style-type: none"> Alphanumeric Set to "1" if applicable, otherwise "0" Disorders of Lipoid Metabolism |

| # | Field Name | Length | Start Position | End Position | Format / Comments |
|----|---------------------------------|--------|----------------|--------------|---|
| 49 | Disease Coefficients RXHCC54 | 001 | 092 | 092 | <ul style="list-style-type: none"> Alphanumeric Set to "1" if applicable, otherwise "0" Chronic Viral Hepatitis C |
| 50 | Disease Coefficients RXHCC55 | 001 | 093 | 093 | <ul style="list-style-type: none"> Alphanumeric Set to "1" if applicable, otherwise "0" Chronic Viral Hepatitis, Except Hepatitis C |
| 51 | Disease Coefficients RXHCC65 | 001 | 094 | 094 | <ul style="list-style-type: none"> Alphanumeric Set to "1" if applicable, otherwise "0" Chronic Pancreatitis |
| 52 | Disease Coefficients RXHCC66 | 001 | 095 | 095 | <ul style="list-style-type: none"> Alphanumeric Set to "1" if applicable, otherwise "0" Pancreatic Disorders and Intestinal Malabsorption, Except Pancreatitis |
| 53 | Disease Coefficients RXHCC67 | 001 | 096 | 096 | <ul style="list-style-type: none"> Alphanumeric Set to "1" if applicable, otherwise "0" Inflammatory Bowel Disease |
| 54 | Disease Coefficients RXHCC68 | 001 | 097 | 097 | <ul style="list-style-type: none"> Alphanumeric Set to "1" if applicable, otherwise "0" Esophageal Reflux and Other Disorders of Esophagus |
| 55 | Disease Coefficients RXHCC80 | 001 | 098 | 098 | <ul style="list-style-type: none"> Alphanumeric Set to "1" if applicable, otherwise "0" Aseptic Necrosis of Bone |
| 56 | Disease Coefficients RXHCC82 | 001 | 099 | 099 | <ul style="list-style-type: none"> Alphanumeric Set to "1" if applicable, otherwise "0" Psoriatic Arthropathy and Systemic Sclerosis |
| 57 | Disease Coefficients RXHCC83 | 001 | 100 | 100 | <ul style="list-style-type: none"> Alphanumeric Set to "1" if applicable, otherwise "0" Rheumatoid Arthritis and Other Inflammatory Polyarthropathy |

| # | Field Name | Length | Start Position | End Position | Format / Comments |
|----|----------------------------------|--------|----------------|--------------|--|
| 58 | Disease Coefficients RXHCC84 | 001 | 101 | 101 | <ul style="list-style-type: none"> • Alphanumeric • Set to "1" if applicable, otherwise "0" • Systemic Lupus Erythematosus, Other Connective Tissue Disorders, and Inflammatory Spondylopathies |
| 59 | Disease Coefficients RXHCC87 | 001 | 102 | 102 | <ul style="list-style-type: none"> • Alphanumeric • Set to "1" if applicable, otherwise "0" • Osteoporosis, Vertebral and Pathological Fractures |
| 60 | Disease Coefficients RXHCC95 | 001 | 103 | 103 | <ul style="list-style-type: none"> • Alphanumeric • Set to "1" if applicable, otherwise "0" • Sickle Cell Anemia |
| 61 | Disease Coefficients RXHCC96 | 001 | 104 | 104 | <ul style="list-style-type: none"> • Alphanumeric • Set to "1" if applicable, otherwise "0" • Myelodysplastic Syndromes and Myelofibrosis |
| 62 | Disease Coefficients RXHCC97 | 001 | 105 | 105 | <ul style="list-style-type: none"> • Alphanumeric • Set to "1" if applicable, otherwise "0" • Immune Disorders |
| 63 | Disease Coefficients RXHCC98 | 001 | 106 | 106 | <ul style="list-style-type: none"> • Alphanumeric • Set to "1" if applicable, otherwise "0" • Aplastic Anemia and Other Significant Blood Disorders |
| 64 | Disease Coefficients RXHCC111 | 001 | 107 | 107 | <ul style="list-style-type: none"> • Alphanumeric • Set to "1" if applicable, otherwise "0" • Alzheimer's Disease |
| 65 | Disease Coefficients RXHCC112 | 001 | 108 | 108 | <ul style="list-style-type: none"> • Alphanumeric • Set to "1" if applicable, otherwise "0" • Dementia, Except Alzheimer's Disease |
| 66 | Disease Coefficients RXHCC130 | 001 | 109 | 109 | <ul style="list-style-type: none"> • Alphanumeric • Set to "1" if applicable, otherwise "0" • Schizophrenia |
| 67 | Disease Coefficients RXHCC131 | 001 | 110 | 110 | <ul style="list-style-type: none"> • Alphanumeric • Set to "1" if applicable, otherwise "0" • Bipolar Disorders |

| # | Field Name | Length | Start Position | End Position | Format / Comments |
|----|----------------------------------|--------|----------------|--------------|--|
| 68 | Disease Coefficients RXHCC132 | 001 | 111 | 111 | <ul style="list-style-type: none"> Alphanumeric Set to "1" if applicable, otherwise "0" Major Depression |
| 69 | Disease Coefficients RXHCC133 | 001 | 112 | 112 | <ul style="list-style-type: none"> Alphanumeric Set to "1" if applicable, otherwise "0" Specified Anxiety, Personality, and Behavior Disorders |
| 70 | Disease Coefficients RXHCC134 | 001 | 113 | 113 | <ul style="list-style-type: none"> Alphanumeric Set to "1" if applicable, otherwise "0" Depression |
| 71 | Disease Coefficients RXHCC135 | 001 | 114 | 114 | <ul style="list-style-type: none"> Alphanumeric Set to "1" if applicable, otherwise "0" Anxiety Disorders |
| 72 | Disease Coefficients RXHCC145 | 001 | 115 | 115 | <ul style="list-style-type: none"> Alphanumeric Set to "1" if applicable, otherwise "0" Autism |
| 73 | Disease Coefficients RXHCC146 | 001 | 116 | 116 | <ul style="list-style-type: none"> Alphanumeric Set to "1" if applicable, otherwise "0" Profound or Severe Intellectual Disability/Developmental Disorder |
| 74 | Disease Coefficients RXHCC147 | 001 | 117 | 117 | <ul style="list-style-type: none"> Alphanumeric Set to "1" if applicable, otherwise "0" Moderate Intellectual Disability/Developmental Disorder |
| 75 | Disease Coefficients RXHCC148 | 001 | 118 | 118 | <ul style="list-style-type: none"> Alphanumeric Set to "1" if applicable, otherwise "0" Mild or Unspecified Intellectual Disability/Developmental Disorder |
| 76 | Disease Coefficients RXHCC156 | 001 | 119 | 119 | <ul style="list-style-type: none"> Alphanumeric Set to "1" if applicable, otherwise "0" Myasthenia Gravis, Amyotrophic Lateral Sclerosis and Other Motor Neuron Disease |
| 77 | Disease Coefficients RXHCC157 | 001 | 120 | 120 | <ul style="list-style-type: none"> Alphanumeric Set to "1" if applicable, otherwise "0" Spinal Cord Disorders |

| # | Field Name | Length | Start Position | End Position | Format / Comments |
|----|----------------------------------|--------|----------------|--------------|--|
| 78 | Disease Coefficients RXHCC159 | 001 | 121 | 121 | <ul style="list-style-type: none"> • Alphanumeric • Set to "1" if applicable, otherwise "0" • Inflammatory and Toxic Neuropathy |
| 79 | Disease Coefficients RXHCC160 | 001 | 122 | 122 | <ul style="list-style-type: none"> • Alphanumeric • Set to "1" if applicable, otherwise "0" • Multiple Sclerosis |
| 80 | Disease Coefficients RXHCC161 | 001 | 123 | 123 | <ul style="list-style-type: none"> • Alphanumeric • Set to "1" if applicable, otherwise "0" • Parkinson's and Huntington's Diseases |
| 81 | Disease Coefficients RXHCC163 | 001 | 124 | 124 | <ul style="list-style-type: none"> • Alphanumeric • Set to "1" if applicable, otherwise "0" • Intractable Epilepsy |
| 82 | Disease Coefficients RXHCC164 | 001 | 125 | 125 | <ul style="list-style-type: none"> • Alphanumeric • Set to "1" if applicable, otherwise "0" • Epilepsy and Other Seizure Disorders, Except Intractable Epilepsy |
| 83 | Disease Coefficients RXHCC165 | 001 | 126 | 126 | <ul style="list-style-type: none"> • Alphanumeric • Set to "1" if applicable, otherwise "0" • Convulsions |
| 84 | Disease Coefficients RXHCC166 | 001 | 127 | 127 | <ul style="list-style-type: none"> • Alphanumeric • Set to "1" if applicable, otherwise "0" • Migraine Headaches |
| 85 | Disease Coefficients RXHCC168 | 001 | 128 | 128 | <ul style="list-style-type: none"> • Alphanumeric • Set to "1" if applicable, otherwise "0" • Trigeminal and Postherpetic Neuralgia |
| 86 | Disease Coefficients RXHCC185 | 001 | 129 | 129 | <ul style="list-style-type: none"> • Alphanumeric • Set to "1" if applicable, otherwise "0" • Primary Pulmonary Hypertension |
| 87 | Disease Coefficients RXHCC186 | 001 | 130 | 130 | <ul style="list-style-type: none"> • Alphanumeric • Set to "1" if applicable, otherwise "0" • Congestive Heart Failure |

| # | Field Name | Length | Start Position | End Position | Format / Comments |
|----|----------------------------------|--------|----------------|--------------|---|
| 88 | Disease Coefficients RXHCC187 | 001 | 131 | 131 | <ul style="list-style-type: none"> Alphanumeric Set to "1" if applicable, otherwise "0" Hypertension |
| 89 | Disease Coefficients RXHCC188 | 001 | 132 | 132 | <ul style="list-style-type: none"> Alphanumeric Set to "1" if applicable, otherwise "0" Coronary Artery Disease |
| 90 | Disease Coefficients RXHCC193 | 001 | 133 | 133 | <ul style="list-style-type: none"> Alphanumeric Set to "1" if applicable, otherwise "0" Atrial Arrhythmias |
| 91 | Disease Coefficients RXHCC206 | 001 | 134 | 134 | <ul style="list-style-type: none"> Alphanumeric Set to "1" if applicable, otherwise "0" Cerebrovascular Disease, Except Hemorrhage or Aneurysm |
| 92 | Disease Coefficients RXHCC207 | 001 | 135 | 135 | <ul style="list-style-type: none"> Alphanumeric Set to "1" if applicable, otherwise "0" Spastic Hemiplegia |
| 93 | Disease Coefficients RXHCC215 | 001 | 136 | 136 | <ul style="list-style-type: none"> Alphanumeric Set to "1" if applicable, otherwise "0" Venous Thromboembolism |
| 94 | Disease Coefficients RXHCC216 | 001 | 137 | 137 | <ul style="list-style-type: none"> Alphanumeric Set to "1" if applicable, otherwise "0" Peripheral Vascular Disease |
| 95 | Disease Coefficients RXHCC225 | 001 | 138 | 138 | <ul style="list-style-type: none"> Alphanumeric Set to "1" if applicable, otherwise "0" Cystic Fibrosis |
| 96 | Disease Coefficients RXHCC226 | 001 | 139 | 139 | <ul style="list-style-type: none"> Alphanumeric Set to "1" if applicable, otherwise "0" Chronic Obstructive Pulmonary Disease and Asthma |
| 97 | Disease Coefficients RXHCC227 | 001 | 140 | 140 | <ul style="list-style-type: none"> Alphanumeric Set to "1" if applicable, otherwise "0" Pulmonary Fibrosis and Other Chronic Lung Disorders |

| # | Field Name | Length | Start Position | End Position | Format / Comments |
|-----|----------------------------------|--------|----------------|--------------|---|
| 98 | Disease Coefficients RXHCC241 | 001 | 141 | 141 | <ul style="list-style-type: none"> • Alphanumeric • Set to "1" if applicable, otherwise "0" • Diabetic Retinopathy |
| 99 | Disease Coefficients RXHCC243 | 001 | 142 | 142 | <ul style="list-style-type: none"> • Alphanumeric • Set to "1" if applicable, otherwise "0" • Open-Angle Glaucoma |
| 100 | Disease Coefficients RXHCC260 | 001 | 143 | 143 | <ul style="list-style-type: none"> • Alphanumeric • Set to "1" if applicable, otherwise "0" • Kidney Transplant Status |
| 101 | Disease Coefficients RXHCC261 | 001 | 144 | 144 | <ul style="list-style-type: none"> • Alphanumeric • Set to "1" if applicable, otherwise "0" • Dialysis Status |
| 102 | Disease Coefficients RXHCC262 | 001 | 145 | 145 | <ul style="list-style-type: none"> • Alphanumeric • Set to "1" if applicable, otherwise "0" • Chronic Kidney Disease Stage 5 |
| 103 | Disease Coefficients RXHCC263 | 001 | 146 | 146 | <ul style="list-style-type: none"> • Alphanumeric • Set to "1" if applicable, otherwise "0" • Chronic Kidney Disease Stage 4 |
| 104 | Disease Coefficients RXHCC311 | 001 | 147 | 147 | <ul style="list-style-type: none"> • Alphanumeric • Set to "1" if applicable, otherwise "0" • Chronic Ulcer of Skin, Except Pressure |
| 105 | Disease Coefficients RXHCC314 | 001 | 148 | 148 | <ul style="list-style-type: none"> • Alphanumeric • Set to "1" if applicable, otherwise "0" • Pemphigus |
| 106 | Disease Coefficients RXHCC316 | 001 | 149 | 149 | <ul style="list-style-type: none"> • Alphanumeric • Set to "1" if applicable, otherwise "0" • Psoriasis, Except with Arthropathy |
| 107 | Disease Coefficients RXHCC355 | 001 | 150 | 150 | <ul style="list-style-type: none"> • Alphanumeric • Set to "1" if applicable, otherwise "0" • Narcolepsy and Cataplexy |
| 108 | Disease Coefficients RXHCC395 | 001 | 151 | 151 | <ul style="list-style-type: none"> • Alphanumeric • Set to "1" if applicable, otherwise "0" • Lung Transplant Status |

| # | Field Name | Length | Start Position | End Position | Format / Comments |
|-----|----------------------------------|--------|----------------|--------------|--|
| 109 | Disease Coefficients RXHCC396 | 001 | 152 | 152 | <ul style="list-style-type: none"> Alphanumeric Set to "1" if applicable, otherwise "0" Major Organ Transplant Status, Except Lung, Kidney, and Pancreas |
| 110 | Disease Coefficients RXHCC397 | 001 | 153 | 153 | <ul style="list-style-type: none"> Alphanumeric Set to "1" if applicable, otherwise "0" Pancreas Transplant Status |
| 111 | Originally Disabled | 001 | 154 | 154 | <ul style="list-style-type: none"> Alphanumeric Set to "1" if applicable, otherwise "0" The original reason for Medicare entitlement was due to disability. |
| 112 | NONAGED RXHCC1 | 001 | 155 | 155 | <ul style="list-style-type: none"> Alphanumeric Set to "1" if applicable, otherwise "0" Non-Aged and HIV/AIDS |
| 113 | NONAGED RXHCC130 | 001 | 156 | 156 | <ul style="list-style-type: none"> Alphanumeric Set to "1" if applicable, otherwise "0" Non-Aged and Schizophrenia |
| 114 | NONAGED RXHCC131 | 001 | 157 | 157 | <ul style="list-style-type: none"> Alphanumeric Set to "1" if applicable, otherwise "0" Non-Aged and Bipolar Disorders |
| 115 | NONAGED RXHCC132 | 001 | 158 | 158 | <ul style="list-style-type: none"> Alphanumeric Set to "1" if applicable, otherwise "0" Non-Aged and Major Depression |
| 116 | NONAGED RXHCC133 | 001 | 159 | 159 | <ul style="list-style-type: none"> Alphanumeric Set to "1" if applicable, otherwise "0" Non-Aged and Specified Anxiety, Personality, and Behavior Disorders |
| 117 | NONAGED RXHCC134 | 001 | 160 | 160 | <ul style="list-style-type: none"> Alphanumeric Set to "1" if applicable, otherwise "0" Non-Aged and Depression |
| 118 | NONAGED RXHCC135 | 001 | 161 | 161 | <ul style="list-style-type: none"> Alphanumeric Set to "1" if applicable, otherwise "0" Non-Aged and Anxiety Disorders |

| # | Field Name | Length | Start Position | End Position | Format / Comments |
|-----|------------------|--------|----------------|--------------|--|
| 119 | NONAGED RXHCC160 | 001 | 162 | 162 | <ul style="list-style-type: none"> Alphanumeric Set to "1" if applicable, otherwise "0" Non-Aged and Multiple Sclerosis |
| 120 | NONAGED RXHCC163 | 001 | 163 | 163 | <ul style="list-style-type: none"> Alphanumeric Set to "1" if applicable, otherwise "0" Non-Aged and Intractable Epilepsy |
| 121 | FILLER | 005 | 164 | 168 | <ul style="list-style-type: none"> Alphanumeric Spaces |

Total Length = 168.

NOTE: Fields 111-120 are associated with the Rx HCC Continuing Enrollee Institutional Score only.

RAS MOR Rx HCC Trailer Record (Payment Year 2016)

| # | Field Name | Length | Start Position | End Position | Format / Comments |
|---|--------------------|--------|----------------|--------------|--|
| 1 | Record Type Code | 001 | 001 | 001 | <ul style="list-style-type: none"> Alphanumeric Set to "3" for Trailer |
| 2 | Contract Number | 005 | 002 | 006 | <ul style="list-style-type: none"> Alphanumeric Also known as MCO plan number Unique identification for a Managed Care Organization (MCO) enabling the MCO to provide coverage to eligible beneficiaries. |
| 3 | Total Record Count | 009 | 007 | 015 | <ul style="list-style-type: none"> Alphanumeric Includes all header and trailer records |
| 4 | Filler | 153 | 016 | 168 | <ul style="list-style-type: none"> Alphanumeric Spaces |