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## Revision Log

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<td>February 2024</td>
<td>K. Schneider</td>
<td>Added clarity re: derivation of ESRD_IND and a comment for DUAL_STUS_CD_01–12</td>
<td>1.6</td>
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<td>April 2023</td>
<td>K. Schneider</td>
<td>Added values and corresponding descriptions for ENTLMT_RSN_CURR and MDCR_STATUS_CD; added a comment for STATE_CODE and adjusted description for value 55</td>
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<td>February 2021</td>
<td>K. Russell, C. Alleman, D. Happe</td>
<td>Migrated codebook to new document template; revised Table of Contents to include SAS long names rather than short names</td>
<td>1.4</td>
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<td>August 2019</td>
<td>K. Schneider</td>
<td>Corrected values 10 and 13 for monthly cost share group (CST_SHR_GRP_CD_01–12), and added a comment</td>
<td>1.3</td>
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<td>April 2019</td>
<td>C. Alleman, K. Schneider</td>
<td>Added clarity re: valid values for monthly cost share group (CST_SHR_GRP_CD_01–12)</td>
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<td>January 2019</td>
<td>C. Alleman, K. Schneider</td>
<td>Added clarity re: valid values for monthly Medicare status code (MDCR_STATUS_CODE_01–12)</td>
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<tr>
<td>May 2017</td>
<td>C. Alleman, K. Schneider</td>
<td>Initial release of codebook for Master Beneficiary Summary File — Base; with Medicare Part A/B/C/D</td>
<td>1.0</td>
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Tips on Navigating the Codebook

This document is a detailed codebook that describes each variable in the Medicare Beneficiary Summary File (MBSF) — Base with Medicare Part A, B, C, and D research files. We have included several ways for users to find quickly the information they need:

- A complete listing of all variables in the files, in alphabetical order based on their SAS variable names.
- Individual entries for each variable contain a short description of the variable, the possible values for the variable, and, in many cases, comments discussing the variable construction and use.

Hyperlinks are included throughout the codebook to make it easier for users to navigate between the table of contents and the detailed entries for the individual variables:

- Clicking on any variable name in the Table of Contents will take you to the detailed description for that variable.
- From the detailed description for any individual variable, clicking on the ^Back to TOC^ link after each variable description will take you back to the Table of Contents.
**Table of Contents**

This section of the Codebook contains a list of all variables in alphabetical order based on the SAS variable name.

**Quick links:** A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

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Variable Details

This section of the codebook contains variable details to facilitate understanding and use of the variables.

**AGE_AT_END_REF_YR**

**LABEL:** Age of beneficiary at end of year

**DESCRIPTION:** This is the beneficiary’s age, expressed in years and calculated as of the end of the calendar year, or, for beneficiaries that died during the year, age as of the date of death.

**SHORT NAME:** AGE

**LONG NAME:** AGE_AT_END_REF_YR

**TYPE:** NUM

**LENGTH:** 3

**SOURCE:** CMS Common Medicare Environment (CME) (derived)

**VALUES:** Maximum age is 115

**COMMENT:** CCW calculates this variable.

[^ Back to TOC ^]
**BENE_BIRTH_DT**

**LABEL:** Beneficiary date of birth

**DESCRIPTION:** This is the beneficiary's date of birth.

**SHORT NAME:** BENE_DOB

**LONG NAME:** BENE_BIRTH_DT

**TYPE:** DATE

**LENGTH:** 8

**SOURCE:** CMS Common Medicare Environment (CME)

**VALUES:** MM/DD/YYYY

**COMMENT:** —
**BENE_DEATH_DT**

**LABEL:** Date of Death

**DESCRIPTION:** This variable indicates the date of death of the beneficiary. A null value means that no death date was reported for the beneficiary.

**SHORT NAME:** DEATH_DT

**LONG NAME:** BENE_DEATH_DT

**TYPE:** DATE

**LENGTH:** 8

**SOURCE:** CMS Common Medicare Environment (CME)

**VALUES:** —

**COMMENT:** Many of these dates have not been verified with official U.S. records; the valid date of death switch variable (BENE_VALID_DEATH_DT_SW) identifies the death dates which have been verified.

^ Back to TOC ^
**BENE_ENROLLMT_REF_YR**

**LABEL:** Reference Year

**DESCRIPTION:** This field indicates the reference year of the enrollment data.

**SHORT NAME:** RFRNC_YR

**LONG NAME:** BENE_ENROLLMT_REF_YR

**TYPE:** NUM

**LENGTH:** 4

**SOURCE:** CMS Common Medicare Environment (CME)

**VALUES:** 1999 – current data year

**COMMENT:** The data files are partitioned into calendar year files.
<table>
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<tr>
<th><strong>BENE_HI_CVRAGE_TOT_MONS</strong></th>
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BENE_HMO_CVRAGE_TOT_MONS

LABEL: HMO Coverage Count

DESCRIPTION: Months of Medicare Advantage (HMO) coverage.

SHORT NAME: HMO_MO

LONG NAME: BENE_HMO_CVRAGE_TOT_MONS

TYPE: NUM

LENGTH: 3

SOURCE: CMS Common Medicare Environment (CME)

VALUES: 0–12

COMMENT: This variable counts the number of months during the year that the beneficiary received their Part A and Part B benefits through a managed care plan (i.e., a Medicare Advantage [MA] plan) instead of the traditional fee-for-service (FFS) program. Any month where the HMO indicator variable (HMO_IND_XX) was anything other than a 0 (not a member of an HMO) or a 4 (FFS participant in a case or disease management demonstration project) is counted as a MA month.

^ Back to TOC ^
**BENE_ID**

**LABEL:** Encrypted CCW Beneficiary ID

**DESCRIPTION:** The unique CCW identifier for a beneficiary.

The CCW assigns a unique beneficiary identification number to each individual who receives Medicare and/or Medicaid, and uses that number to identify an individual’s records in all CCW data files (e.g., Medicare claims, MAX claims, T-MSIS claims, and MDS assessment data).

This number does not change during a beneficiary’s lifetime, and CCW uses each number only once.

The BENE_ID is specific to the CCW and is not applicable to any other identification system or data source.

**SHORT NAME:** BENE_ID

**LONG NAME:** BENE_ID

**TYPE:** CHAR

**LENGTH:** 15

**SOURCE:** CCW

**VALUES:** —

**COMMENT:** —
**BENE_PTA_TRMNTN_CD**

**LABEL:** Part A Termination Code

**DESCRIPTION:** This code specifies the reason Part A entitlement was terminated.

**SHORT NAME:** A_TRM_CD

**LONG NAME:** BENE_PTA_TRMNTN_CD

**TYPE:** CHAR

**LENGTH:** 1

**SOURCE:** CMS Common Medicare Environment (CME)

**VALUES:**
- 0 = Not Terminated
- 1 = Dead
- 2 = Non-Payment of Premium
- 3 = Voluntary Withdrawal
- 9 = Other Termination

**COMMENT:** —
**BENE_PTB_TRMNTN_CD**

**LABEL:** Part B Termination Code

**DESCRIPTION:** This code specifies the reason Part B entitlement was terminated.

**SHORT NAME:** B_TRM_CD

**LONG NAME:** BENE_PTB_TRMNTN_CD

**TYPE:** CHAR

**LENGTH:** 1

**SOURCE:** CMS Common Medicare Environment (CME)

**VALUES:**
- 0 = Not Terminated
- 1 = Dead
- 2 = Non-Payment of Premium
- 3 = Voluntary Withdrawal
- 9 = Other Termination

**COMMENT:** —
**BENE_RACE_CD**

**LABEL:** Beneficiary Race Code

**DESCRIPTION:** The race of the beneficiary.

**SHORT NAME:** RACE

**LONG NAME:** BENE_RACE_CD

**TYPE:** CHAR

**LENGTH:** 1

**SOURCE:** CMS Common Medicare Environment (CME)

**VALUES:**
- 0 = Unknown
- 1 = White
- 2 = Black
- 3 = Other
- 4 = Asian
- 5 = Hispanic
- 6 = North American Native

**COMMENT:** —
**BENE_SMI_CVRAGE_TOT_MONS**

**LABEL:** Part B Months Count

**DESCRIPTION:** Months of Part B coverage

**SHORT NAME:** B_MO_CNT

**LONG NAME:** BENE_SMI_CVRAGE_TOT_MONS

**TYPE:** NUM

**LENGTH:** 3

**SOURCE:** CMS Common Medicare Environment (CME) (derived)

**VALUES:** 0–12

**COMMENT:** This variable is the number of months during the year that the beneficiary had Medicare Part B coverage. (This is sometimes referred to as supplemental medical insurance coverage — or SMI coverage.) CCW derives this variable by counting the number of months where the beneficiary had Part B coverage (i.e., the MDCR_ENTLMT_BUYIN_IND_XX variable equaled 2, B, 3, or C).

[^ Back to TOC ^]
**BENE_STATE_BUYIN_TOT_MONS**

**LABEL:** State Buy-In Coverage Count  
**DESCRIPTION:** Months of state buy-in.  
**SHORT NAME:** BUYIN_MO  
**LONG NAME:** BENE_STATE_BUYIN_TOT_MONS  
**TYPE:** NUM  
**LENGTH:** 3  
**SOURCE:** CMS Common Medicare Environment (CME)  
**VALUES:** 0–12  
**COMMENT:** This variable counts the total number of months during the year when the beneficiary premium was paid by the state. State Medicaid programs can pay Medicare premiums for certain dual eligibles (i.e., for beneficiaries also enrolled in a state Medicaid program); this action is called “buying in” and so this variable is the “buy-in code.” Any month where the MDCR_ENTLMT_BUYIN_IND_XX variable was: A (Part A state buy-in), B (Part B state buy-in), or C (Part A and Part B state buy-in) is counted.
**COUNTY_CD**

**LABEL:** County code for beneficiary (SSA code)

**DESCRIPTION:** This code specifies the Social Security Administration (SSA) code for the county of identified through the beneficiary mailing address of the beneficiary.

**SHORT NAME:** CNTY_CD

**LONG NAME:** COUNTY_CD

**TYPE:** CHAR

**LENGTH:** 3

**SOURCE:** CMS Common Medicare Environment (CME)

**VALUES:** —

**COMMENT:** Each state has a series of codes beginning with '000' for each county within that state. Certain cities within that state have their own code. County codes must be combined with state codes in order to locate the specific county. The coding system is the SSA system, not the Federal Information Processing Standard (FIPS). In some cases, the code may not be the actual county where the beneficiary resides. CMS obtains the mailing address used for cash benefits or the mailing address used for other purposes (for example, premium billing) from Social Security Administration (SSA) and Railroad Retirement Board (RRB) Beneficiary Record Systems.
**COVSTART**

**LABEL:** Medicare Coverage Start Date

**DESCRIPTION:** This variable is the date when the beneficiary first became eligible for Medicare coverage (Part A or Part B).

**SHORT NAME:** COVSTART

**LONG NAME:** COVSTART

**TYPE:** DATE

**LENGTH:** 8

**SOURCE:** CMS Common Medicare Environment (CME)

**VALUES:** —

**COMMENT:** Historic date of first Medicare coverage (may be prior to 1999, which is the earliest claim files available through CCW).
**CRNT_BIC_CD**

**LABEL:** Current Beneficiary Identification Code

**DESCRIPTION:** The current beneficiary identification code (BIC) specifies the basis of the beneficiary’s eligibility for cash payment programs, mainly Social Security. When the individual qualifies under another person’s account (for example, as a spouse or child), the code identifies the type of relationship between the individual and primary beneficiary.

**SHORT NAME:** CRNT_BIC

**LONG NAME:** CRNT_BIC_CD

**TYPE:** CHAR

**LENGTH:** 2

**SOURCE:** CMS Common Medicare Environment (CME)

**VALUES:**

- 10 = Railroad Retirement Board (RRB) Retirement employee or annuitant
- 11 = RRB Survivor joint annuitant reduced benefits taken to insure benefits for surviving spouse
- 13 = RRB Child of RR annuitant or Widow of annuitant with a child in her care
- 14 = RRB Spouse of RR employee or annuitant husband or wife
- 15 = RRB Parent of annuitant
- 16 = RRB Widow/widower of RR annuitant
- 17 = RRB Disabled adult child of RR annuitant
- 43 = RRB Child of RR employee or Widow of employee with a child in her care
- 45 = RRB Parent of employee
- 46 = RRB Widow/widower of RR employee
- 80 = RRB RR pensioner age or disability
- 83 = RRB Widow of pensioner with a child in her care
- 84 = RRB Spouse of RR pensioner
- 85 = RRB Parent of pensioner
- 86 = RRB Widow/widower of RR pensioner
- A = Primary claimant
- B = Aged wife age 62 or over 1st claimant
- B1 = Aged husband age 62 or over 1st claimant
- B2 = Young wife with a child in her care 1st claimant
- B3 = Aged wife 2nd claimant
- B4 = Aged husband 2nd claimant
- B5 = Young wife 2nd claimant
- B6 = Divorced wife age 62 or over 1st claimant
- B7 = Young wife 3rd claimant
- B8 = Aged wife 3rd claimant
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<td>Child includes minor student or disabled child 2nd claimant</td>
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<td>C3</td>
<td>Child includes minor student or disabled child 3rd claimant</td>
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<td>C4</td>
<td>Child includes minor student or disabled child 4th claimant</td>
</tr>
<tr>
<td>C5</td>
<td>Child includes minor student or disabled child 5th claimant</td>
</tr>
<tr>
<td>C6</td>
<td>Child includes minor student or disabled child 6th claimant</td>
</tr>
<tr>
<td>C7</td>
<td>Child includes minor student or disabled child 7th claimant</td>
</tr>
<tr>
<td>C8</td>
<td>Child includes minor student or disabled child 8th claimant</td>
</tr>
<tr>
<td>C9</td>
<td>Child includes minor student or disabled child 9th claimant</td>
</tr>
<tr>
<td>CA</td>
<td>Child includes minor student or disabled child 10th claimant</td>
</tr>
<tr>
<td>CB</td>
<td>Child includes minor student or disabled child 11th claimant</td>
</tr>
<tr>
<td>CC</td>
<td>Child includes minor student or disabled child 12th claimant</td>
</tr>
<tr>
<td>CD</td>
<td>Child includes minor student or disabled child 13th claimant</td>
</tr>
<tr>
<td>CE</td>
<td>Child includes minor student or disabled child 14th claimant</td>
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<tr>
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<td>Child includes minor student or disabled child 17th claimant</td>
</tr>
<tr>
<td>CI</td>
<td>Child includes minor student or disabled child 18th claimant</td>
</tr>
<tr>
<td>CJ</td>
<td>Child includes minor student or disabled child 19th claimant</td>
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<tr>
<td>CK</td>
<td>Child includes minor student or disabled child 20th claimant</td>
</tr>
<tr>
<td>CL</td>
<td>Child includes minor student or disabled child 21st claimant</td>
</tr>
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<td>Child includes minor student or disabled child 22nd claimant</td>
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<td>CN</td>
<td>Child includes minor student or disabled child 23rd claimant</td>
</tr>
<tr>
<td>CO</td>
<td>Child includes minor student or disabled child 24th claimant</td>
</tr>
<tr>
<td>CP</td>
<td>Child includes minor student or disabled child 25th claimant</td>
</tr>
</tbody>
</table>
CQ = Child includes minor student or disabled child 26th claimant
CR = Child includes minor student or disabled child 27th claimant
CS = Child includes minor student or disabled child 28th claimant
CT = Child includes minor student or disabled child 29th claimant
CU = Child includes minor student or disabled child 30th claimant
CV = Child includes minor student or disabled child 31st claimant
CW = Child includes minor student or disabled child 32nd claimant
CX = Child includes minor student or disabled child 33rd claimant
CY = Child includes minor student or disabled child 34th claimant
CZ = Child includes minor student or disabled child 35th claimant
D = Aged widow 60 or over 1st claimant
D1 = Aged widower age 60 or over 1st claimant
D2 = Aged widow 2nd claimant
D3 = Aged widower 2nd claimant
D4 = Widow remarried after attainment of age 60 1st claimant
D5 = Widower remarried after attainment of age 60 1st claimant
D6 = Surviving divorced wife age 60 or over 1st claimant
D7 = Surviving divorced wife 2nd claimant
D8 = Aged widow 3rd claimant
D9 = Remarried widow 2nd claimant
DA = Remarried widow 3rd claimant
DC = Surviving divorced husband 1st claimant
DD = Aged widow 4th claimant
dg = Aged widow 5th claimant
DH = Aged widower 3rd claimant
DJ = Aged widower 4th claimant
DK = Aged widower 5th claimant
DL = Remarried widow 4th claimant
DM = Surviving divorced husband 2nd claimant
DN = Remarried widow 5th claimant
DP = Remarried widower 2nd claimant
DQ = Remarried widow 3rd claimant
DR = Remarried widower 3rd claimant
dS = Surviving divorced husband 3rd claimant
DT = Remarried widower 5th claimant
dV = Surviving divorced wife 3rd claimant
DW = Surviving divorced wife 4th claimant
DX = Surviving divorced husband 4th claimant
dY = Surviving divorced wife 5th claimant
dZ = Surviving divorced husband 5th claimant
E = Mother widow 1st claimant
E1 = Surviving divorced mother 1st claimant
E2 = Mother widow 2nd claimant
E3 = Surviving divorced mother 2nd claimant
E4 = Father widower 1st claimant
E5 = Surviving divorced father widower 1st claimant
E6 = Father widower 2nd claimant
E7 = Mother widow 3rd claimant
E8 = Mother widow 4th claimant
E9 = Surviving divorced father widower 2nd claimant
EA = Mother widow 5th claimant
EB = Surviving divorced mother 3rd claimant
EC = Surviving divorced mother 4th claimant
ED = Surviving divorced mother 5th claimant
EF = Father widower 3rd claimant
EG = Father widower 4th claimant
EH = Father widower 5th claimant
EJ = Surviving divorced father 3rd claimant
EK = Surviving divorced father 4th claimant
EM = Surviving divorced father 5th claimant
F1 = Father
F2 = Mother
F3 = Stepfather
F4 = Stepmother
F5 = Adopting father
F6 = Adopting mother
F7 = Second alleged father
F8 = Second alleged mother
J1 = Primary prouty entitled to HIB less than 3 QC general fund
J2 = Primary prouty entitled to HIB over 2 QC RSI trust fund
J3 = Primary prouty not entitled to HIB less than 3 QC general fund
J4 = Primary prouty not entitled to HIB over 2 QC RSI trust fund
K1 = Prouty wife entitled to HIB less than 3 QC general fund 1st claimant
K2 = Prouty wife entitled to HIB over 2 QC RSI trust fund 1st claimant
K3 = Prouty wife not entitled to HIB less than 3 QC general fund 1st claimant
K4 = Prouty wife not entitled to HIB over 2 QC RSI trust fund 1st claimant
K5 = Prouty wife entitled to HIB less than 3 QC general fund 2nd claimant
K6 = Prouty wife entitled to HIB over 2 QC RSI trust fund 2nd claimant
K7 = Prouty wife not entitled to HIB less than 3 QC general fund 2nd claimant
K8 = Prouty wife not entitled to HIB over 2 QC RSI trust fund 2nd claimant
K9 = Prouty wife entitled to HIB less than 3 QC general fund 3rd claimant
KA = Prouty wife entitled to HIB over 2 QC RSI trust fund 3rd claimant
KB = Prouty wife not entitled to HIB less than 3 QC general fund 3rd claimant
KC = Prouty wife not entitled to HIB over 2 QC RSI trust fund 3rd claimant
KD = Prouty wife entitled to HIB less than 3 QC general fund 4th claimant
KE = Prouty wife entitled to HIB over 2 QC 4th claimant
KF = Prouty wife not entitled to HIB less than 3 QC 4th claimant
KG = Prouty wife not entitled to HIB over 2 QC 4th claimant
KH = Prouty wife entitled to HIB less than 3 QC 5th claimant
KJ = Prouty wife entitled to HIB over 2 QC 5th claimant
KL = Prouty wife not entitled to HIB less than 3 QC 5th claimant
KM = Prouty wife not entitled to HIB over 2 QC 5th claimant
M = Uninsured not qualified for deemed HIB
M1 = Uninsured qualified but refused HIB
T = Uninsured entitled to HIB under deemed or renal provisions
TA = Medicare Qualified Government Employment (MQGE) primary claimant

TB = MQGE aged spouse first claimant
TC = MQGE disabled adult child first claimant
TD = MQGE aged widower first claimant
TE = MQGE young widower first claimant
TF = MQGE parent male
TG = MQGE aged spouse second claimant
TH = MQGE aged spouse third claimant
TJ = MQGE aged spouse fourth claimant
TK = MQGE aged spouse fifth claimant
TL = MQGE aged widower second claimant
TM = MQGE aged widower third claimant
TN = MQGE aged widower fourth claimant
TP = MQGE aged widower fifth claimant
TQ = MQGE parent female
TR = MQGE young widower second claimant
TS = MQGE young widower third claimant
TT = MQGE young widower fourth claimant
TU = MQGE young widower fifth claimant
TV = MQGE disabled widower fifth claimant
TW = MQGE disabled widower first claimant
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<thead>
<tr>
<th>Code</th>
<th>Description</th>
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<tbody>
<tr>
<td>TX</td>
<td>MQGE disabled widower second claimant</td>
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<tr>
<td>TY</td>
<td>MQGE disabled widower third claimant</td>
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<tr>
<td>TZ</td>
<td>MQGE disabled widower fourth claimant</td>
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<tr>
<td>T2</td>
<td>Disabled child 2nd claimant</td>
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<td>T3</td>
<td>Disabled child 3rd claimant</td>
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<td>Disabled child 8th claimant</td>
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<tr>
<td>T9</td>
<td>Disabled* child 9th claimant</td>
</tr>
<tr>
<td>W</td>
<td>Disabled widow age 50 or over 1st claimant</td>
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<tr>
<td>W1</td>
<td>Disabled widower age 50 or over 1st claimant</td>
</tr>
<tr>
<td>W2</td>
<td>Disabled widow 2nd claimant</td>
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<td>W3</td>
<td>Disabled widower 2nd claimant</td>
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<td>W5</td>
<td>Disabled widower 3rd claimant</td>
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<tr>
<td>W6</td>
<td>Disabled surviving divorced wife 1st claimant</td>
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<tr>
<td>W7</td>
<td>Disabled surviving divorced wife 2nd claimant</td>
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<tr>
<td>W8</td>
<td>Disabled surviving divorced wife 3rd claimant</td>
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<td>Disabled surviving divorced wife 5th claimant</td>
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<td>Disabled surviving divorced husband 1st claimant</td>
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<tr>
<td>WT</td>
<td>Disabled surviving divorced husband 2nd claimant</td>
</tr>
</tbody>
</table>

**COMMENT:** This information is originally from the CMS Denominator file, which means that the final value for the year is used.
**CST_SHR_GRP_CD_01**

**CST_SHR_GRP_CD_02**

**CST_SHR_GRP_CD_03**

**CST_SHR_GRP_CD_04**

**CST_SHR_GRP_CD_05**

**CST_SHR_GRP_CD_06**

**CST_SHR_GRP_CD_07**

**CST_SHR_GRP_CD_08**

**CST_SHR_GRP_CD_09**

**CST_SHR_GRP_CD_10**

**CST_SHR_GRP_CD_11**

**CST_SHR_GRP_CD_12**

**LABEL:** Monthly cost sharing group under Part D low-income subsidy — January through December

**DESCRIPTION:** This variable indicates the beneficiary’s Part D low-income subsidy cost sharing group for a given month (January). The Part D benefit requires enrollees to pay both premiums and cost-sharing, but the program also has a low-income subsidy (LIS) that covers some or all of those costs for certain low-income individuals, including deductibles and cost-sharing during the coverage gap.

**SHORT NAME:**

CSTSHR01
CSTSHR02
CSTSHR03
CSTSHR04
CSTSHR05
CSTSHR06
CSTSHR07
CSTSHR08
CSTSHR09
CSTSHR10
CSTSHR11
CSTSHR12

**LONG NAME:**

CST_SHR_GRP_CD_01
CST_SHR_GRP_CD_02
CST_SHR_GRP_CD_03
CST_SHR_GRP_CD_04
CST_SHR_GRP_CD_05
CST_SHR_GRP_CD_06
CST_SHR_GRP_CD_07
CST_SHR_GRP_CD_08
CST_SHR_GRP_CD_09
CST_SHR_GRP_CD_10
CST_SHR_GRP_CD_11
CST_SHR_GRP_CD_12

**TYPE:** CHAR

**LENGTH:** 2

**SOURCE:** CMS Common Medicare Environment (CME)

**VALUES:**

00 = Not Medicare enrolled for the month

01 = Beneficiary enrolled in Parts A and/or B, and Part D; deemed eligible for LIS with 100% premium subsidy and no copayment

02 = Beneficiary enrolled in Parts A and/or B, and Part D; deemed eligible for LIS with 100% premium subsidy and low copayment
03 = Beneficiary enrolled in Parts A and/or B, and Part D; deemed eligible for LIS with 100% premium subsidy and high copayment

04 = Beneficiary enrolled in Parts A and/or B, and Part D; enrolled in LIS with 100% premium subsidy and high copayment

05 = Beneficiary enrolled in Parts A and/or B, and Part D; enrolled in LIS with 100% premium subsidy and 15% copayment

06 = Beneficiary enrolled in Parts A and/or B, and Part D; enrolled in LIS with 75% premium subsidy and 15% copayment

07 = Beneficiary enrolled in Parts A and/or B, and Part D; enrolled in LIS with 50% premium subsidy and 15% copayment

08 = Beneficiary enrolled in Parts A and/or B, and Part D; enrolled in LIS with 25% premium subsidy and 15% copayment

09 = Beneficiary enrolled in Parts A and/or B, and Part D; no premium or cost sharing subsidy

10 = Beneficiary enrolled in Parts A and/or B, but not Part D enrolled; employer receives RDS subsidy

13 = Beneficiary enrolled in Parts A and/or B, but not Part D enrolled. It is unknown whether the beneficiary has creditable prescription drug coverage elsewhere.

Null/missing = Beneficiary was not found in cost sharing group data

COMMENT: CMS identifies beneficiaries with fully-subsidized Part D coverage by looking for individuals that have a 01, 02, or 03 for the month. Other beneficiaries who are eligible for the LIS but do not receive a full subsidy have a 04, 05, 06, 07, or 08. The remaining values indicate that the individual is not eligible for subsidized Part D coverage. There are 12 monthly variables — where the 01 through 12 at the end of the variable name correspond with the month (e.g., 01 is January and 12 is December).

There is a late enrollment penalty for those who are eligible for Part D but choose not to enroll for any given year and do not have creditable coverage for that time. A number of Medicare-eligible beneficiaries may have access to other types of prescription drug plans. Creditable prescription drug coverage includes, but is not limited to: employer-based prescription drug coverage, including the Federal Employees Health Benefits Program (FEHB); qualified State Pharmaceutical Assistance Programs (SPAPs); military-related coverage (e.g., VA, TRICARE); and certain Medicare supplemental (Medigap) policies. For additional details regarding the creditable coverage provision of the Part D benefit, please refer to the CMS website at: http://www.cms.gov/Medicare/Prescription-Drug-Coverage/CreditableCoverage/index.html?redirect=/CreditableCoverage/.

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**DUAL_ELGBL_MONS**

**LABEL:** Months of Dual Eligibility

**DESCRIPTION:** This variable is the number of months during the year that the beneficiary was dually eligible (i.e., he/she was also eligible for Medicaid benefits).

**SHORT NAME:** DUAL_MO

**LONG NAME:** DUAL_ELGBL_MONS

**TYPE:** NUM

**LENGTH:** 3

**SOURCE:** CMS Common Medicare Environment (CME) (derived)

**VALUES:** 0–12

**COMMENT:** CCW derived this variable by counting the number of months where the beneficiary had dual eligibility (i.e., months where DUAL_STUS_CD_XX equal to '01', '02', '03', '04', '05', '06', '08', '09', or '99').

There are different ways to classify dually eligible beneficiaries — in terms of whether he/she is enrolled in full or partial benefits. Additional information regarding various ways to identify dually enrolled populations, refer to a CCW Technical Guidance document entitled: "Options in Determining Dual Eligibles."
DUAL_STUS_CD_01  DUAL_STUS_CD_07
DUAL_STUS_CD_02  DUAL_STUS_CD_08
DUAL_STUS_CD_03  DUAL_STUS_CD_09
DUAL_STUS_CD_04  DUAL_STUS_CD_10
DUAL_STUS_CD_05  DUAL_STUS_CD_11
DUAL_STUS_CD_06  DUAL_STUS_CD_12

LABEL: Monthly Medicare-Medicaid dual eligibility code – January through December

DESCRIPTION: This variable indicates whether the beneficiary was eligible for both Medicare and Medicaid in a given month (January through December).

SHORT NAME:
DUAL_01  DUAL_07
DUAL_02  DUAL_08
DUAL_03  DUAL_09
DUAL_04  DUAL_10
DUAL_05  DUAL_11
DUAL_06  DUAL_12

LONG NAME:
DUAL_STUS_CD_01  DUAL_STUS_CD_07
DUAL_STUS_CD_02  DUAL_STUS_CD_08
DUAL_STUS_CD_03  DUAL_STUS_CD_09
DUAL_STUS_CD_04  DUAL_STUS_CD_10
DUAL_STUS_CD_05  DUAL_STUS_CD_11
DUAL_STUS_CD_06  DUAL_STUS_CD_12

TYPE: CHAR

LENGTH: 2

SOURCE: CMS Common Medicare Environment (CME)

VALUES:
NA = Non-Medicaid
00 = Not enrolled in Medicare for the month
01 = Qualified Medicare Beneficiary (QMB)-only
02 = QMB and full Medicaid coverage, including prescription drugs
03 = Specified Low-Income Medicare Beneficiary (SLMB)-only
04 = SLMB and full Medicaid coverage, including prescription drugs
05 = Qualified Disabled Working Individual (QDWI)
06 = Qualifying individuals (QI)
08 = Other dual eligible (not QMB, SLMB, QWDI, or QI) with full Medicaid coverage, including prescription Drugs

09 = Other dual eligible, but without Medicaid coverage

99 = Unknown

**COMMENT:** The original source for this variable is the State Medicare Modernization Act (MMA) files that states submit to CMS. Those files are considered the “gold standard” for identifying dual eligibles because the information in them is used to determine the level of Medicare Part D low-income subsidies. Unlike most states, Puerto Rico and the Virgin Islands do not submit dual eligibility data to CMS through the MMA files. Consequently, the Master Beneficiary Summary File significantly undercounts dual-eligibles from these territories currently. Users should consider this variable to be incomplete when constructing an analysis population that includes dual-eligibles from these two territories.

Dual eligibles are often divided into “full duals” and “partial duals” based on the level of Medicaid benefits they receive. CMS generally considers beneficiaries to be full duals if they have values of 02, 04, or 08, and to be partial duals if they have values of 01, 03, 05, or 06. Partial duals sometimes divided into the QMB-only population (01) and all other partial duals (03, 05, or 06). There are different ways to classify dually eligible beneficiaries. Additional information regarding various ways to identify dually enrolled populations, refer to a CCW Technical Guidance document entitled: "Options in Determining Dual Eligibles." There are 12 monthly variables — where the 01 through 12 at the end of the variable name correspond with the month (e.g., 01 is January and 12 is December).
**ENHANCED_FIVE_PERCENT_FLAG**

**LABEL:** Enhanced Medicare 5% Sample Indicator

**DESCRIPTION:** This variable indicates whether the beneficiary was ever included in the CCW 5% sample for any year (1999+).

**SHORT NAME:** EFIVEPCT

**LONG NAME:** ENHANCED_FIVE_PERCENT_FLAG

**TYPE:** CHAR

**LENGTH:** 1

**SOURCE:** CCW (derived)

**VALUES:**
- Y = Yes, included in enhanced 5% sample
- Null = Not included in enhanced 5% sample

**COMMENT:**
This enhanced 5% sample is broader than the annual 5% sample (variable that was previously called FIVE_PERCENT_FLAG; currently called SAMPLE_GROUP — when value =‘01’ or ‘04’) because it includes all beneficiaries who were ever part of the 5% sample but had a HIC change that was not part of the sample. The "enhanced" indicator variable allows for longitudinal study of the 5% sample (i.e., once in, always in).

CCW creates the 5% sample using standard CMS processes. The 5% random sample consists of people who had a Medicare beneficiary Health Insurance Claim number (HIC) equal to the Claim Account Number (CAN) plus Beneficiary Identity Code (BIC) (HIC=CAN+BIC) where the last two digits of the CAN are in the set {05, 20, 45, 70, 95}.

[^ Back to TOC ^]
**ENRL_SRC**

**LABEL:** Enrollment Source

**DESCRIPTION:** This variable indicates the source of enrollment data.

**SHORT NAME:** ENRL_SRC

**LONG NAME:** ENRL_SRC

**TYPE:** CHAR

**LENGTH:** 3

**SOURCE:** CCW

**VALUES:**
- EDB = Enrollment Database
- CME = Common Medicare Environment

**COMMENT:**

The Centers for Medicare & Medicaid Services (CMS) has updated the Medicare enrollment source data for the Master Beneficiary Summary File (MBSF). As of March 2017, the MBSF includes Medicare enrollment information from the CMS Common Medicare Environment (CME) rather than the CMS Common Medicare Environment (CME). Data from the two sources was nearly identical. The CME improves the identification of Medicare Part B enrollment and also allows for more timely release of the MBSF.

The universe of beneficiaries in the CME versus the EDB version of the MBSF are only slightly different.
ENTLMT_RSN_CURR

LABEL: Current Reason for Entitlement Code

DESCRIPTION: Current reason for Medicare entitlement

SHORT NAME: CREC

LONG NAME: ENTLMNT_RSN_CURR

TYPE: CHAR

LENGTH: 1

SOURCE: CMS Common Medicare Environment (CME)

VALUES: 0 = Old age and survivor’s insurance (OASI)
1 = Disability insurance benefits (DIB)
2 = End-stage renal disease (ESRD)
3 = Both DIB and ESRD
4 = Beneficiary insured due to Part B Immunosuppressive Drug (PBID)

COMMENT: This variable indicates how the beneficiary currently qualifies for Medicare. The current reason for entitlement can differ from the original reason that a beneficiary qualified for Medicare (reference the ENTLMNT_RSN_ORIG variable). CMS obtains this information from the Social Security Administration (SSA) and Railroad Retirement Board (RRB) record systems.
**ENTLMT_RSN_ORIG**

**LABEL:** Original Reason for Entitlement Code

**DESCRIPTION:** Original reason for Medicare entitlement

**SHORT NAME:** OREC

**LONG NAME:** ENTLMT_RSN_ORIG

**TYPE:** CHAR

**LENGTH:** 1

**SOURCE:** CMS Common Medicare Environment (CME)

**VALUES:**
- 0 = Old age and survivor’s insurance (OASI)
- 1 = Disability insurance benefits (DIB)
- 2 = End-stage renal disease (ESRD)
- 3 = Both DIB and ESRD

**COMMENT:** CMS obtains this information from the Social Security Administration (SSA) and Railroad Retirement Board (RRB) record systems.
**ESRD_IND**

**LABEL:** End-Stage Renal Disease (ESRD) Indicator

**DESCRIPTION:** This field specifies whether a beneficiary is entitled to Medicare benefits due to end stage renal disease (ESRD).

**SHORT NAME:** ESRD_IND

**LONG NAME:** ESRD_IND

**TYPE:** CHAR

**LENGTH:** 1

**SOURCE:** CMS Common Medicare Environment (CME)

**VALUES:**

- Y = the beneficiary has ESRD coverage
- 0 = the beneficiary does not have ESRD coverage

**COMMENT:** This variable is sourced directly from Medicare eligibility data, and recoded into a binary classification.
LABEL: HMO Indicator – January through December

DESCRIPTION: Monthly Medicare Advantage (MA) enrollment indicator (January through December).

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TYPE: CHAR

LENGTH: 1

SOURCE: CMS Common Medicare Environment (CME)

VALUES:

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<th>Value</th>
<th>Description</th>
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<td>Non-lock-in, CMS to process provider claims</td>
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<tr>
<td>2</td>
<td>Non-lock-in, group health organization (GHO; MA plan) to process in plan Part A and in area Part B claims</td>
</tr>
<tr>
<td>4</td>
<td>Fee-for-service participant in case or disease management demonstration project</td>
</tr>
<tr>
<td>A</td>
<td>Lock-in, CMS to process provider claims</td>
</tr>
<tr>
<td>B</td>
<td>Lock-in, GHO to process in plan Part A and in area Part B claims</td>
</tr>
<tr>
<td>C</td>
<td>Lock-in, GHO to process all provider claims</td>
</tr>
</tbody>
</table>

COMMENT: Historically, most Medicare managed care plans have been health maintenance organizations (HMOs), hence the name of the variable.
This variable indicates whether the beneficiary was enrolled in a Medicare Advantage (MA) plan during a given month.

The 01 through 12 at the end of the variable name correspond with the month (i.e., 01 is January and 12 is December).
### NAME:
Medicare Entitlement/Buy-In Indicator — January through December

### DESCRIPTION:
Monthly Part A and/or Part B entitlement indicator (January through December).

### SHORT NAME:
- BUYIN01
- BUYIN02
- BUYIN03
- BUYIN04
- BUYIN05
- BUYIN06
- BUYIN07
- BUYIN08
- BUYIN09
- BUYIN10
- BUYIN11
- BUYIN12

### LONG NAME:
- MDCR_ENTLMT_BUYIN_IND_01
- MDCR_ENTLMT_BUYIN_IND_02
- MDCR_ENTLMT_BUYIN_IND_03
- MDCR_ENTLMT_BUYIN_IND_04
- MDCR_ENTLMT_BUYIN_IND_05
- MDCR_ENTLMT_BUYIN_IND_06
- MDCR_ENTLMT_BUYIN_IND_07
- MDCR_ENTLMT_BUYIN_IND_08
- MDCR_ENTLMT_BUYIN_IND_09
- MDCR_ENTLMT_BUYIN_IND_10
- MDCR_ENTLMT_BUYIN_IND_11
- MDCR_ENTLMT_BUYIN_IND_12

### TYPE:
CHAR

### LENGTH:
1

### SOURCE:
CMS Common Medicare Environment (CME)

### CODE VALUES:
- 0 = Not entitled
- 1 = Part A only
- 2 = Part B only
- 3 = Part A and Part B
- A = Part A state buy-in
- B = Part B state buy-in
- C = Part A and Part B state buy-in

### COMMENT:
This variable indicates whether the beneficiary was entitled to Part A, Part B, or both for a given month. There are 12 monthly variables — where the 01 through 12 at the end of the variable name correspond with the month (e.g., 01 is January and 12 is December). The variable also indicates whether the beneficiary’s state of residence paid his/her monthly premium for Part B coverage (and Part A if necessary). State Medicaid programs can pay those premiums for certain dual eligibles; this action is called “buying in” and so this variable is the “buy-in code.”

[^Back to TOC^]
LABEL: Medicare Status Code – January through December

DESCRIPTION: This variable indicates how a beneficiary currently qualifies for Medicare – January through December.

SHORT NAME:

<table>
<thead>
<tr>
<th>MDCR_STATUS_CODE_01</th>
<th>MDCR_STATUS_CODE_07</th>
</tr>
</thead>
<tbody>
<tr>
<td>MDCR_STATUS_CODE_02</td>
<td>MDCR_STATUS_CODE_08</td>
</tr>
<tr>
<td>MDCR_STATUS_CODE_03</td>
<td>MDCR_STATUS_CODE_09</td>
</tr>
<tr>
<td>MDCR_STATUS_CODE_04</td>
<td>MDCR_STATUS_CODE_10</td>
</tr>
<tr>
<td>MDCR_STATUS_CODE_05</td>
<td>MDCR_STATUS_CODE_11</td>
</tr>
<tr>
<td>MDCR_STATUS_CODE_06</td>
<td>MDCR_STATUS_CODE_12</td>
</tr>
</tbody>
</table>

LONG NAME:

<table>
<thead>
<tr>
<th>MDCR_STATUS_CODE_01</th>
<th>MDCR_STATUS_CODE_07</th>
</tr>
</thead>
<tbody>
<tr>
<td>MDCR_STATUS_CODE_02</td>
<td>MDCR_STATUS_CODE_08</td>
</tr>
<tr>
<td>MDCR_STATUS_CODE_03</td>
<td>MDCR_STATUS_CODE_09</td>
</tr>
<tr>
<td>MDCR_STATUS_CODE_04</td>
<td>MDCR_STATUS_CODE_10</td>
</tr>
<tr>
<td>MDCR_STATUS_CODE_05</td>
<td>MDCR_STATUS_CODE_11</td>
</tr>
<tr>
<td>MDCR_STATUS_CODE_06</td>
<td>MDCR_STATUS_CODE_12</td>
</tr>
</tbody>
</table>

TYPE: CHAR

LENGTH: 2

SOURCE: CMS Common Medicare Environment (CME)

VALUES:

<table>
<thead>
<tr>
<th>Value</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>Not enrolled in Medicare A or B this month</td>
</tr>
<tr>
<td>10</td>
<td>Aged without end-stage renal disease (ESRD)</td>
</tr>
<tr>
<td>11</td>
<td>Aged with ESRD</td>
</tr>
<tr>
<td>20</td>
<td>Disabled without ESRD</td>
</tr>
<tr>
<td>21</td>
<td>Disabled with ESRD</td>
</tr>
<tr>
<td>31</td>
<td>ESRD only</td>
</tr>
<tr>
<td>40</td>
<td>Beneficiary insured due to Part B Immunosuppressive Drug (PBID)</td>
</tr>
</tbody>
</table>

COMMENT: Analysts can use this variable to quickly distinguish between the aged, disabled, and ESRD populations. This field is coded from age, original reason for entitlement, current reason for entitlement and ESRD indicator contained in the enrollment database at CMS.
There are 12 monthly variables — where the 01 through 12 at the end of the variable name correspond with the month (e.g., 01 is January and 12 is December).
PTC_CNTRCT_ID_01
PTC_CNTRCT_ID_02
PTC_CNTRCT_ID_03
PTC_CNTRCT_ID_04
PTC_CNTRCT_ID_05
PTC_CNTRCT_ID_06
PTC_CNTRCT_ID_07
PTC_CNTRCT_ID_08
PTC_CNTRCT_ID_09
PTC_CNTRCT_ID_10
PTC_CNTRCT_ID_11
PTC_CNTRCT_ID_12

LABEL: Part C Contract Number – January through December

DESCRIPTION: This variable is the Medicare Part C contract number for the beneficiary’s Medicare Advantage (MA) plan for a given month (January through December).

CMS assigns an identifier to each contract that a managed care plan has with CMS.

SHORT NAME:
PTC_CNTRCT_ID_01
PTC_CNTRCT_ID_02
PTC_CNTRCT_ID_03
PTC_CNTRCT_ID_04
PTC_CNTRCT_ID_05
PTC_CNTRCT_ID_06
PTC_CNTRCT_ID_07
PTC_CNTRCT_ID_08
PTC_CNTRCT_ID_09
PTC_CNTRCT_ID_10
PTC_CNTRCT_ID_11
PTC_CNTRCT_ID_12

LONG NAME:
PTC_CNTRCT_ID_01
PTC_CNTRCT_ID_02
PTC_CNTRCT_ID_03
PTC_CNTRCT_ID_04
PTC_CNTRCT_ID_05
PTC_CNTRCT_ID_06
PTC_CNTRCT_ID_07
PTC_CNTRCT_ID_08
PTC_CNTRCT_ID_09
PTC_CNTRCT_ID_10
PTC_CNTRCT_ID_11
PTC_CNTRCT_ID_12

TYPE: CHAR

LENGTH: 5

SOURCE: CMS Common Medicare Environment (CME)

VALUES: —

COMMENT: If the beneficiary was not enrolled in a managed care plan for a given month, this variable will be null/missing for that month.

You need to know both the Part C contract number and plan benefit package (PBP; monthly variables called PTC_PBP_ID_XX) in order to identify the specific plan in which a beneficiary was enrolled.

There are 12 monthly variables — where the 01 through 12 at the end of the variable name correspond with the month (e.g., 01 is January and 12 is December).
LABEL: Part C PBP Number – January through December

DESCRIPTION: The variable is the Medicare Part C plan benefit package (PBP) for the beneficiary’s Medicare Advantage (MA) plan for a given month (January through December).

CMS assigns an identifier to each PBP within a contract that a Part C plan sponsor has with CMS.

SHORT NAME:
- PTC_PBP_ID_01
- PTC_PBP_ID_02
- PTC_PBP_ID_03
- PTC_PBP_ID_04
- PTC_PBP_ID_05
- PTC_PBP_ID_06
- PTC_PBP_ID_07
- PTC_PBP_ID_08
- PTC_PBP_ID_09
- PTC_PBP_ID_10
- PTC_PBP_ID_11
- PTC_PBP_ID_12

LONG NAME:
- PTC_PBP_ID_01
- PTC_PBP_ID_02
- PTC_PBP_ID_03
- PTC_PBP_ID_04
- PTC_PBP_ID_05
- PTC_PBP_ID_06
- PTC_PBP_ID_07
- PTC_PBP_ID_08
- PTC_PBP_ID_09
- PTC_PBP_ID_10
- PTC_PBP_ID_11
- PTC_PBP_ID_12

TYPE: CHAR

LENGTH: 3

SOURCE: CMS Common Medicare Environment (CME)

VALUES: 3-digit alphanumeric that can include leading zeros.

COMMENT: If the beneficiary was not enrolled in a managed care plan for a given month, this variable will be null/missing for that month.

You need to know both the Part C contract number (PTC_CNTRCT_ID_XX) and plan benefit package (PBP) in order to identify the specific plan in which a beneficiary was enrolled.

There are 12 monthly variables — where the 01 through 12 at the end of the variable name correspond with the month (e.g., 01 is January and 12 is December).
PTC_PLAN_TYPE_CD_01  PTC_PLAN_TYPE_CD_07
PTC_PLAN_TYPE_CD_02  PTC_PLAN_TYPE_CD_08
PTC_PLAN_TYPE_CD_03  PTC_PLAN_TYPE_CD_09
PTC_PLAN_TYPE_CD_04  PTC_PLAN_TYPE_CD_10
PTC_PLAN_TYPE_CD_05  PTC_PLAN_TYPE_CD_11
PTC_PLAN_TYPE_CD_06  PTC_PLAN_TYPE_CD_12

LABEL: Part C Plan Type Code – January through December

DESCRIPTION: This variable is the type of Medicare Part C plan for the beneficiary for a given month (January through December).

SHORT NAME:
PTC_PLAN_TYPE_CD_01  PTC_PLAN_TYPE_CD_07
PTC_PLAN_TYPE_CD_02  PTC_PLAN_TYPE_CD_08
PTC_PLAN_TYPE_CD_03  PTC_PLAN_TYPE_CD_09
PTC_PLAN_TYPE_CD_04  PTC_PLAN_TYPE_CD_10
PTC_PLAN_TYPE_CD_05  PTC_PLAN_TYPE_CD_11
PTC_PLAN_TYPE_CD_06  PTC_PLAN_TYPE_CD_12

LONG NAME:
PTC_PLAN_TYPE_CD_01  PTC_PLAN_TYPE_CD_07
PTC_PLAN_TYPE_CD_02  PTC_PLAN_TYPE_CD_08
PTC_PLAN_TYPE_CD_03  PTC_PLAN_TYPE_CD_09
PTC_PLAN_TYPE_CD_04  PTC_PLAN_TYPE_CD_10
PTC_PLAN_TYPE_CD_05  PTC_PLAN_TYPE_CD_11
PTC_PLAN_TYPE_CD_06  PTC_PLAN_TYPE_CD_12

TYPE: CHAR

LENGTH: 3

SOURCE: CMS Common Medicare Environment (CME)

VALUES:
Null/missing = Not Enrolled in Medicare Part C
001 = Health Maintenance Organization (HMO)
002 = HMO point-of-service (HMOPOS)
004 = Local Preferred Provider Organization (PPO)
005 = PSO (State License)
006 = PSO (Federal Waiver of State License)
007 = Medical Savings Account (MSA)
008 = Religious Fraternal Benefit (RFB) private fee-for-service (PFFS) plan
009 = Private fee-for-service (PFFS) plan
010 = SHMO
018 = Section 1876 Cost Plan
019 = HCPP — Section 1833 Cost Plan
020 = National Program of All-inclusive Care for the Elderly (PACE)  
031 = Regional Preferred Provider Organization (PPO)  
033 = Minnesota (MN) Disability Health Options  
034 = MN Senior Health Options  
035 = Wisconsin (WI) Partnership Program  
036 = Massachusetts (MA) Health Senior Care Options  
037 = Continuing Care Retirement Community  
038 = End-Stage Renal Disease — I (ESRD)  
039 = ESRD II  
040 = Employer/Union Only Direct Contract PFFS  
041 = Medical Savings Account (MSA) Demonstration  
048 = Medicare-Medicaid Plan (MMP) HMO  
049 = Medicare-Medicaid Plan HMO Point-of-Service (MMP HMOPOS)  

**COMMENT:** If the beneficiary was not enrolled in a managed care plan for a given month, this variable will be null/missing for that month. There are 12 monthly variables — where the 01 through 12 at the end of the variable name correspond with the month (e.g., 01 is January and 12 is December).
PTD_CNTRCT_ID_01  PTD_CNTRCT_ID_07
PTD_CNTRCT_ID_02  PTD_CNTRCT_ID_08
PTD_CNTRCT_ID_03  PTD_CNTRCT_ID_09
PTD_CNTRCT_ID_04  PTD_CNTRCT_ID_10
PTD_CNTRCT_ID_05  PTD_CNTRCT_ID_11
PTD_CNTRCT_ID_06  PTD_CNTRCT_ID_12

LABEL: Monthly Part D Contract Number – January through December

DESCRIPTION: This variable is the Part D contract number for the beneficiary’s Part D plan for a given month (January). CMS assigns an identifier to each contract that a Part D plan has with CMS.

SHORT NAME:
PTDCNTRCT01  PTD_CNTRCT_ID_01
PTDCNTRCT02  PTD_CNTRCT_ID_02
PTDCNTRCT03  PTD_CNTRCT_ID_03
PTDCNTRCT04  PTD_CNTRCT_ID_04
PTDCNTRCT05  PTD_CNTRCT_ID_05
PTDCNTRCT06  PTD_CNTRCT_ID_06
PTDCNTRCT07  PTD_CNTRCT_ID_07
PTDCNTRCT08  PTD_CNTRCT_ID_08
PTDCNTRCT09  PTD_CNTRCT_ID_09
PTDCNTRCT10  PTD_CNTRCT_ID_10
PTDCNTRCT11  PTD_CNTRCT_ID_11
PTDCNTRCT12  PTD_CNTRCT_ID_12

LONG NAME:
PTD_CNTRCT_ID_01  PTD_CNTRCT_ID_07
PTD_CNTRCT_ID_02  PTD_CNTRCT_ID_08
PTD_CNTRCT_ID_03  PTD_CNTRCT_ID_09
PTD_CNTRCT_ID_04  PTD_CNTRCT_ID_10
PTD_CNTRCT_ID_05  PTD_CNTRCT_ID_11
PTD_CNTRCT_ID_06  PTD_CNTRCT_ID_12

TYPE: CHAR

LENGTH: 5

SOURCE: CMS Common Medicare Environment (CME)

VALUES: The first character of the contract ID is a letter or number representing the type of plan:
E = Employer direct plan (starting January 2007)
H = Managed care organizations other than a regional PPO (i.e., local MA-PDs, 1876 cost plans, Program of All-Inclusive Care for the Elderly (PACE) plans, private fee-for-service plans, or demonstration organization plans)
R = Regional preferred provider organization (PPO)
S = Stand-alone prescription drug plan (PDP)
X = Limited Income Newly Eligible Transition plan (LINET)
N = Not Part D Enrolled
0 = Not Medicare enrolled for the month
Null/Missing = Enrolled in Medicare A and/or B, but no Part D enrollment data for the beneficiary.
COMMENT: The first character of the contract ID is a letter that indicates the type of plan. If the beneficiary did not have a Part D plan for a given month, this variable will have a value of N, 0, or be null/missing for that month. If the beneficiary changed plans during the year, the value indicates the final, reconciled contract number. For 2006–2012, this variable was always encrypted to comply with CMS privacy rules.

There are 12 monthly variables — where the 01 through 12 at the end of the variable name correspond with the month (e.g., 01 is January and 12 is December).

You need to know both the Part D contract number and plan benefit package (PTD_PBP_ID_XX) to identify the specific plan in which a beneficiary was enrolled.
<table>
<thead>
<tr>
<th>Label</th>
<th>Description</th>
<th>Short Name</th>
<th>Long Name</th>
<th>Type</th>
<th>Length</th>
<th>Source</th>
<th>Values</th>
<th>Comment</th>
</tr>
</thead>
<tbody>
<tr>
<td>PTD_PBP_ID_01</td>
<td>Monthly Part D Plan Benefit Package Number – January through December</td>
<td>PTDPBPID01</td>
<td>PTD_PBP_ID_01</td>
<td>CHAR</td>
<td>3</td>
<td>CMS Common Medicare Environment (CME)</td>
<td>3-digit alphanumeric that can include leading zeros.</td>
<td>If the beneficiary did not have a Part D plan for a given month, this variable will have null/missing value for that month. If the beneficiary changed plans during the year, the value indicates the final, reconciled PBP number. For 2006–2012, this variable was always encrypted to comply with CMS privacy rules. There are 12 monthly variables — where the 01 through 12 at the end of the variable name correspond with the month (e.g., 01 is January and 12 is December). You need to know both the Part D contract number (PTD_CNTRCT_ID_XX) and plan benefit package in order to identify the specific plan in which a beneficiary was enrolled.</td>
</tr>
</tbody>
</table>
PTD_PLAN_CVRG_MONS

LABEL: Months of Part D Coverage

DESCRIPTION: This variable is the number of months during the year that the beneficiary had Medicare Part D coverage. CCW derives this variable by counting the number of months where the beneficiary had Part D coverage.

SHORT NAME: PTD_MO

LONG NAME: PTD_PLAN_CVRG_MONS

TYPE: NUM

LENGTH: 3

SOURCE: CMS Common Medicare Environment (CME) (derived)

VALUES: 0–12

COMMENT: A Part D covered month is one where the first value of the monthly PTD_CNTRCT_ID_XX variable equaled H, R, S, or E or the value was X followed by 4 alphanumeric characters.
PTD_SGMT_ID_01  PTD_SGMT_ID_07
PTD_SGMT_ID_02  PTD_SGMT_ID_08
PTD_SGMT_ID_03  PTD_SGMT_ID_09
PTD_SGMT_ID_04  PTD_SGMT_ID_10
PTD_SGMT_ID_05  PTD_SGMT_ID_11
PTD_SGMT_ID_06  PTD_SGMT_ID_12

LABEL: Monthly Part D Market Segment Identifier – January through December

DESCRIPTION: This variable is the segment number that CMS assigns to identify a geographic market segment or subdivision of a Part D plan; the segment number allows you to determine the market area covered by the plan. The variable describes the market segment for a given month (January through December).

SHORT NAME:
SGMTID01      SGMTID07
SGMTID02      SGMTID08
SGMTID03      SGMTID09
SGMTID04      SGMTID10
SGMTID05      SGMTID11
SGMTID06      SGMTID12

LONG NAME:
PTD_SGMT_ID_01  PTD_SGMT_ID_07
PTD_SGMT_ID_02  PTD_SGMT_ID_08
PTD_SGMT_ID_03  PTD_SGMT_ID_09
PTD_SGMT_ID_04  PTD_SGMT_ID_10
PTD_SGMT_ID_05  PTD_SGMT_ID_11
PTD_SGMT_ID_06  PTD_SGMT_ID_12

TYPE: CHAR
LENGTH: 3
SOURCE: CMS Common Medicare Environment (CME)
VALUES: Null/missing or a 3-digit numeric value that includes leading zeros.
COMMENT: If the beneficiary did not have a Part D plan for a given month, this variable will have null/missing value for that month. If the beneficiary changed plans during the year, the value indicates market segment identifier for the final, reconciled PBP. For 2006–2012, this variable was always encrypted to comply with CMS privacy rules.

There are 12 monthly variables — where the 01 through 12 at the end of the variable name correspond with the month (e.g., 01 is January and 12 is December).
You need to know the Part D contract number (PTD_CNTRCT_ID_XX) and plan benefit package (PTD_PBP_ID_XX) in order to determine the geographic market areas where the particular PBP was offered. Premiums may vary by market segment.
**RDS_CVRG_MONS**

**LABEL:** Months of Retiree Drug Subsidy Coverage

**DESCRIPTION:** This variable is the number of months during the year that the beneficiary was enrolled in an employer-sponsored prescription drug plan that qualified for Part D’s retiree drug subsidy (RDS). CCW derives this variable by counting the number of months where the beneficiary had retiree drug subsidy.

**SHORT NAME:** RDS_MO

**LONG NAME:** RDS_CVRG_MONS

**TYPE:** NUM

**LENGTH:** 3

**SOURCE:** CMS Common Medicare Environment (CME) (derived)

**VALUES:** 0–12

**COMMENT:** A month of RDS is when the RDS_IND_XX for the month = Y.

Some employers offer prescription drug plans to their retirees, and Part D pays a subsidy to plans that offer coverage that is equivalent to (or better than) conventional Part D benefits.

CMS does not collect PDEs for beneficiaries that are enrolled in RDS-eligible plans.
RDS_IND_01  RDS_IND_07
RDS_IND_02  RDS_IND_08
RDS_IND_03  RDS_IND_09
RDS_IND_04  RDS_IND_10
RDS_IND_05  RDS_IND_11
RDS_IND_06  RDS_IND_12

LABEL: Monthly Part D Retiree Drug Subsidy Indicator – January through December

DESCRIPTION: This variable indicates if the beneficiary was enrolled in an employer-sponsored prescription drug plan that qualified for Part D’s retiree drug subsidy (RDS) for a given month (January through December).

SHORT NAME:
RDSIND01  RDSIND07
RDSIND02  RDSIND08
RDSIND03  RDSIND09
RDSIND04  RDSIND10
RDSIND05  RDSIND11
RDSIND06  RDSIND12

LONG NAME:
RDS_IND_01  RDS_IND_07
RDS_IND_02  RDS_IND_08
RDS_IND_03  RDS_IND_09
RDS_IND_04  RDS_IND_10
RDS_IND_05  RDS_IND_11
RDS_IND_06  RDS_IND_12

TYPE: CHAR

LENGTH: 1

SOURCE: CMS Common Medicare Environment (CME)

VALUES: Y = Employer subsidized for the retired beneficiary
N = No employer subsidization for the retired beneficiary
0 = Not Medicare enrolled for the month
Null/missing = Enrolled in Medicare A and/or B, but no Part D enrollment data for the beneficiary.

COMMENT: Some employers offer prescription drug plans to their retirees, and Part D pays a subsidy to plans that offer coverage that is equivalent to (or better than) conventional Part D benefits.

CMS does not collect PDEs for beneficiaries that are enrolled in RDS-eligible plans.

There are 12 monthly variables — where the 01 through 12 at the end of the variable name correspond with the month (e.g., 01 is January and 12 is December).
**RTI_RACE_CD**

**LABEL:** Research Triangle Institute (RTI) Race Code

**DESCRIPTION:** Beneficiary race code (modified using RTI algorithm). Enhanced race/ethnicity designation based on first and last name algorithms.

**SHORT NAME:** RTI_RACE_CD

**LONG NAME:** RTI_RACE_CD

**TYPE:** CHAR

**LENGTH:** 1

**SOURCE:** CMS Common Medicare Environment (CME) (derived)

**VALUES:**
0 = Unknown
1 = Non-Hispanic White
2 = Black (Or African-American)
3 = Other
4 = Asian/Pacific Islander
5 = Hispanic
6 = American Indian / Alaska Native

**COMMENT:** This variable is created by taking the beneficiary race code that has historically been used by the Social Security Administration (and is in turn used in CMS’s enrollment data base) and applying an algorithm that identifies more beneficiaries as Hispanic or Asian.

This algorithm was developed by the Research Triangle Institute (RTI) and is thus often referred to as the “RTI race code”.

The algorithm classifies beneficiaries as Hispanic or Asian if their SSA race code equals 4 (Asian) or 5 (Hispanic), or if they have a first or last name that RTI determined was likely Hispanic or Asian in origin.
SAMPLE_GROUP

LABEL: Medicare Sample Group Indicator

DESCRIPTION: Medicare 1, 5, or 20% strict sample group indicator.

SHORT NAME: SAMPLE_GROUP

LONG NAME: SAMPLE_GROUP

TYPE: CHAR

LENGTH: 2

SOURCE: CCW (derived)

VALUES: 01, 04, 15, null/missing (not included in 20% sample for the year)

COMMENT: CCW creates the sample values using standard CMS processes to identify the random 1, 5, 15, and 20 percent samples of Medicare beneficiaries.

The sample groups are based on a random 20 percent sample that is split into three mutually exclusive groups of 1 percent, 4 percent, and 15 percent.

To use the 1 percent sample, specify that SAMPLE_GRP equals “01”.

To use the 5 percent sample, specify that SAMPLE_GRP equals “01” or “04”.

To use the 15 percent sample, specify that SAMPLE_GRP equals “15”.

To use the 20 percent sample, specify that SAMPLE_GRP equals “01”, “04”, or “15”.

Beneficiaries are assigned to sample groups each year based on the last two digits of their Medicare Claim Account Numbers (CANs). Since CANs can change over time (e.g., in the case of remarriage), new beneficiaries are becoming eligible for Medicare, and existing beneficiaries are dying, the sample is cross-sectional. There is no guarantee that the exact same beneficiaries are represented in the same sample group from one year to the next (i.e., this is the strict sampling).
**SEX_IDENT_CD**

**LABEL:** Sex

**DESCRIPTION:** This variable indicates the sex of the beneficiary.

**SHORT NAME:** SEX

**LONG NAME:** SEX_IDENT_CD

**TYPE:** CHAR

**LENGTH:** 1

**SOURCE:** CMS Common Medicare Environment (CME)

**VALUES:**
- 0 = Unknown
- 1 = Male
- 2 = Female

**COMMENT:** —
STATE_CNTY_FIPS_CD_01  STATE_CNTY_FIPS_CD_07
STATE_CNTY_FIPS_CD_02  STATE_CNTY_FIPS_CD_08
STATE_CNTY_FIPS_CD_03  STATE_CNTY_FIPS_CD_09
STATE_CNTY_FIPS_CD_04  STATE_CNTY_FIPS_CD_10
STATE_CNTY_FIPS_CD_05  STATE_CNTY_FIPS_CD_11
STATE_CNTY_FIPS_CD_06  STATE_CNTY_FIPS_CD_12

LABEL: State and county FIPS code – January through December

DESCRIPTION: This field specifies the monthly the concatenated state/county Federal Information Processing Standard (FIPS) code for the beneficiary — in January through December.

SHORT NAME:
STATE_CNTY_FIPS_CD_01  STATE_CNTY_FIPS_CD_07
STATE_CNTY_FIPS_CD_02  STATE_CNTY_FIPS_CD_08
STATE_CNTY_FIPS_CD_03  STATE_CNTY_FIPS_CD_09
STATE_CNTY_FIPS_CD_04  STATE_CNTY_FIPS_CD_10
STATE_CNTY_FIPS_CD_05  STATE_CNTY_FIPS_CD_11
STATE_CNTY_FIPS_CD_06  STATE_CNTY_FIPS_CD_12

LONG NAME:
STATE_CNTY_FIPS_CD_01  STATE_CNTY_FIPS_CD_07
STATE_CNTY_FIPS_CD_02  STATE_CNTY_FIPS_CD_08
STATE_CNTY_FIPS_CD_03  STATE_CNTY_FIPS_CD_09
STATE_CNTY_FIPS_CD_04  STATE_CNTY_FIPS_CD_10
STATE_CNTY_FIPS_CD_05  STATE_CNTY_FIPS_CD_11
STATE_CNTY_FIPS_CD_06  STATE_CNTY_FIPS_CD_12

TYPE: CHAR

LENGTH: 5

SOURCE: CMS Common Medicare Environment (CME)

VALUES: 5-digit numeric value, which can include leading zeros, or null (if there is no crosswalk from the SSA code to the FIPS code)

COMMENT: The first 2 digits specify the state; the last 3 digits specify the county.

This variable is derived by taking the SSA state/county code on record for the beneficiary in the CMS enrollment database and linking it to the corresponding FIPS state/county code.

There are 12 monthly variables — where the 01 through 12 at the end of the variable name correspond with the month (e.g., 01 is January and 12 is December).
<table>
<thead>
<tr>
<th>STATE_CODE</th>
<th>LABEL: State code for beneficiary (SSA code)</th>
</tr>
</thead>
<tbody>
<tr>
<td>DESCRIPTION: The social security administration (SSA) standard 2-digit state code of a beneficiary's residence.</td>
<td></td>
</tr>
<tr>
<td>SHORT NAME: STATE_CD</td>
<td></td>
</tr>
<tr>
<td>LONG NAME: STATE_CODE</td>
<td></td>
</tr>
<tr>
<td>TYPE: CHAR</td>
<td></td>
</tr>
<tr>
<td>LENGTH: 2</td>
<td></td>
</tr>
<tr>
<td>SOURCE: SSA/CME</td>
<td></td>
</tr>
<tr>
<td>VALUES:</td>
<td></td>
</tr>
<tr>
<td>01 = Alabama</td>
<td>33 = New York</td>
</tr>
<tr>
<td>02 = Alaska</td>
<td>34 = North Carolina</td>
</tr>
<tr>
<td>03 = Arizona</td>
<td>35 = North Dakota</td>
</tr>
<tr>
<td>04 = Arkansas</td>
<td>36 = Ohio</td>
</tr>
<tr>
<td>05 = California</td>
<td>37 = Oklahoma</td>
</tr>
<tr>
<td>06 = Colorado</td>
<td>38 = Oregon</td>
</tr>
<tr>
<td>07 = Connecticut</td>
<td>39 = Pennsylvania</td>
</tr>
<tr>
<td>08 = Delaware</td>
<td>40 = Puerto Rico</td>
</tr>
<tr>
<td>09 = District of Columbia</td>
<td>41 = Rhode Island</td>
</tr>
<tr>
<td>10 = Florida</td>
<td>42 = South Carolina</td>
</tr>
<tr>
<td>11 = Georgia</td>
<td>43 = South Dakota</td>
</tr>
<tr>
<td>12 = Hawaii</td>
<td>44 = Tennessee</td>
</tr>
<tr>
<td>13 = Idaho</td>
<td>45 = Texas</td>
</tr>
<tr>
<td>14 = Illinois</td>
<td>46 = Utah</td>
</tr>
<tr>
<td>15 = Indiana</td>
<td>47 = Vermont</td>
</tr>
<tr>
<td>16 = Iowa</td>
<td>48 = Virgin Islands</td>
</tr>
<tr>
<td>17 = Kansas</td>
<td>49 = Virginia</td>
</tr>
<tr>
<td>18 = Kentucky</td>
<td>50 = Washington</td>
</tr>
<tr>
<td>19 = Louisiana</td>
<td>51 = West Virginia</td>
</tr>
<tr>
<td>20 = Maine</td>
<td>52 = Wisconsin</td>
</tr>
<tr>
<td>21 = Maryland</td>
<td>53 = Wyoming</td>
</tr>
<tr>
<td>22 = Massachusetts</td>
<td>54 = Africa</td>
</tr>
<tr>
<td>23 = Michigan</td>
<td>55 = Asia</td>
</tr>
<tr>
<td>24 = Minnesota</td>
<td>56 = Canada and Islands</td>
</tr>
<tr>
<td>25 = Mississippi</td>
<td>57 = Central America and West Indies</td>
</tr>
<tr>
<td>26 = Missouri</td>
<td>58 = Europe</td>
</tr>
<tr>
<td>27 = Montana</td>
<td>59 = Mexico</td>
</tr>
<tr>
<td>28 = Nebraska</td>
<td>60 = Oceania</td>
</tr>
<tr>
<td>29 = Nevada</td>
<td>61 = Philippines</td>
</tr>
<tr>
<td>30 = New Hampshire</td>
<td>62 = South America</td>
</tr>
<tr>
<td>31 = New Jersey</td>
<td>63 = U.S. Possessions</td>
</tr>
<tr>
<td>32 = New Mexico</td>
<td>64 = American Samoa</td>
</tr>
</tbody>
</table>
65 = Guam
66 = Commonwealth of the Northern Marianas Islands
67 = Texas
68 = Florida (eff. 10/2005)
69 = Florida (eff. 10/2005)
70 = Kansas (eff. 10/2005)
71 = Louisiana (eff. 10/2005)
72 = Ohio (eff. 10/2005)
73 = Pennsylvania (eff. 10/2005)
74 = Texas (eff. 10/2005)
80 = Maryland (eff. 8/2000)
97 = Northern Marianas
98 = Guam
99 = With 000 county code is American Samoa; otherwise unknown

**COMMENT:** The state code is based on the latest state code for the beneficiary for the year in the CME data. If the value is missing, then the first state code in the following year populates this field.
VALID_DEATH_DT_SW

LABEL: Valid Date of Death Switch

DESCRIPTION: This variable indicates whether a beneficiary’s day of death has been verified by the Social Security Administration (SSA) or the Railroad Retirement Board (RRB).

SHORT NAME: V_DOD_SW

LONG NAME: VALID_DEATH_DT_SW

TYPE: CHAR

LENGTH: 1

SOURCE: CMS Common Medicare Environment (CME)

VALUES: Null = Default
V = Valid death date

COMMENT: The date of death of the beneficiary is contained in the BENE_DEATH_DT variable; many of these dates of death are not confirmed.
ZIP_CD

LABEL: Zip code for beneficiary

DESCRIPTION: This field specifies the zip code identified as the beneficiary mailing address.

SHORT NAME: ZIP_CD

LONG NAME: ZIP_CD

TYPE: CHAR

LENGTH: 5

SOURCE: CMS Common Medicare Environment (CME)

VALUES: 5-digit zip

COMMENT: In some cases, the code may not be the actual state where the beneficiary resides. CMS obtains the mailing address used for cash benefits or the mailing address used for other purposes (for example, premium billing) from Social Security Administration (SSA) and Railroad Retirement Board (RRB) Beneficiary Record Systems.